

**RANALD G. McDONALD**

**MUNICIPAL COUNCIL,  
SHANGHAI.**

---

**R E P O R T**

**FOR THE**

**YEAR ENDED 31<sup>ST</sup> DECEMBER 1898**

**AND**

**B U D G E T**

**FOR THE**

**YEAR ENDING 31<sup>ST</sup> DECEMBER 1899.**

---

中国科学院上海历史研究所

**SHANGHAI:**

**PRINTED BY KELLY & WALSH, LIMITED, NANKING ROAD.**

---

**1899**

## INDEX.

	PAGE.		PAGE.
Abattoirs ... ..	168	Consul, Senior ... ..	257
Alcoholism ... ..	112	Creeks ... ..	164, 171
Arrest of Natives by Mixed Court Runners ... ..	62	Dairies ... ..	122
Assessments, House ... ..	150	Dairy Inspection ... ..	81
Increased ... ..	152	Dead Bodies found in the Streets	77
Native ... ..	150	Death Rate ... ..	90
New ... ..	158	Death Returns ... ..	92
Reduced ... ..	157	Depôt and Chip Yard ... ..	243
Bakehouses ... ..	123	Disinfection ... ..	99
Band Committee's Report ...	124	Disinfector, Steam ... ..	194
Beef and Pork Butchers' Shops and Stalls ... ..	118, 144	Dogs, Stray ... ..	75
Bell-Towers ... ..	166	Drainage ... ..	172, 212
Beri-Beri ... ..	111	Drainage, etc., Byelaw ...	173
Billiard Tables ... ..	144	Drains, Schedule of ... ..	212
Boilers, Inspection of ... ..	195	Dredging the Yang-king-pang	240
Boundary of Hongkew ... ..	195	Drill Hall ... ..	168
Bowling Alleys ... ..	144	Dues, Wharfage ... ..	159
Bridges ... ..	164	Dwellings ... ..	116
Bubbling Well Road, Policing	56	Dysentery ... ..	111
Budget for 1899 ... ..	387	Education Grants ... ..	308
Buildings ... ..	165, 196	French Orphanage ... ..	310
Bundings ... ..	170	Public School ... ..	310
Burials ... ..	210	St. Xavier's School ... ..	313
Butchers' Shops ... ..	118, 144	Thomas Hanbury School and Children's Home ...	308
Byelaw <i>re</i> Drainage, etc. ...	173	Electric Lamps ... ..	292
Cadastral Lot 279 ... ..	224	Electrical Department... ..	245
Cadastral Plans... ..	196	Report, Accounts and Estimate ... ..	245
Cargo-boats, Sampans, etc. ...	142	Engineer and Surveyor's Report	164
Carts, etc. ... ..	142	Extension of the Settlement ...	196, 279
Cattle-sheds ... ..	119	Factories ... ..	116
Cement Concrete Ware ... ..	192	Finance Matters :—	
Cemeteries ... ..	171, 210	Budget for 1899 ... ..	387
Chip Yard and Depôt ... ..	243	Financial Statement ... ..	316
Cholera ... ..	103	General Municipal Rate, Summary of ... ..	145
Concrete Pipe Drains ... ..	216		
Sewers ... ..	212		
Ware ... ..	192		

	PAGE.		PAGE.
<b>Finance Matters—continued:—</b>		<b>Laboratory, Public Health</b> ...	113
House Assessments ...	150	<b>Labour employed on Public</b>	
Increased ...	152	Works ...	192
Native ...	150	<b>Lamps, Electric</b> ...	292
New ...	158	Gas ...	285
Reduced ...	157	Oil ...	292
Loans ...	159	<b>Land Purchases and Transfers</b> 182, 224	
<b>Fire Commission: Report,</b>		Cadastral Lot 279 ...	224
Accounts and Estimate ...	129	New Rifle Range ...	225
<b>Fire Record</b> ...	134	Plague Burial Ground ...	225
<b>Fires, Obstruction at</b> ...	79	Rifle Range Road ...	225
<b>Fire Station, Hongkew District</b>	167	West Hongkew Police	
<b>Food</b> ...	117	Station ...	225
<b>Footways</b> ...	182	<b>Land Regulations, Revision of</b>	263
<b>Foreshores</b> ...	173	<b>Landing Accommodation</b> ...	174
<b>French Orphanage</b> ...	310	Latrines and Urinals ...	116, 174
<b>Gaol Accommodation</b> ...	73	<b>Laundry, Municipal</b> ...	117, 167
<b>Garbage Collection</b> ... 84, 115, 200, 209		<b>Legal Proceedings</b> ...	293
Agreement ...	84	<b>License Fees</b> ...	140
<b>Gardens, Public</b> ...	175, 255	Billiards and Bowling Alleys	144
<b>Gas and Water Trenches</b> ...	191	Butchers' Shops ...	144
<b>Gas Lamps</b> ...	286	Cargo-boats, Sampan, etc.	142
<b>General Matters</b> ...	257	Carts ...	142
Municipal Rate, Summary of	145	Jin-ric-shas ...	142
<b>Glanders</b> ...	82	Liquor-sellers ...	143
<b>Gunsled, Artillery</b> ...	170	Livery Stables ...	14
<b>Health Officer's Report</b> ...	87	Opium-shops ...	140
Death Returns ...	92	Pawn-shops ...	14
<b>Hongkew, Boundary of</b> ...	195	Steam-launches ...	143
District Fire Station ...	167	Tea-shops ...	143
Park ...	175	Theatres ...	143
<b>Hospitals, Isolation</b> ...	112	Water-carts ...	142
<b>House Assessments</b> ...	150	Wheel-barrows ...	142
"Itis" Memorial ...	260	<b>Lighting</b> ...	286
<b>Infectious Diseases</b> ...	99	Electric Lamps ...	292
<b>Insanitary Areas</b> ...	116	Electrical Department ...	245
<b>Isolation</b> ...	99, 112	Gas Lamps ...	286
<b>Isolation Hospitals</b> ...	112	Oil Lamps ...	292
<b>Jessfield Road</b> ...	197	Liquor-sellers ...	143
<b>Jin-ric-shas</b> ...	142	Livery Stables ...	14
<b>Jin-ric-sha Tickets</b> ...	57	Loans ...	159
		<b>Local Post, Old</b> ...	262
		<b>Lotteries, Local</b> ...	57

	PAGE.		PAGE.
Markets ... ..	122, 168	Police— <i>continued</i> .	
Markets and Drill Hall ...	168	Arrests, Comparative Table	
Meat, Inspection of ...	82	of ... ..	50
Meat Supply ... ..	118	Chinese Prisoners, Condi-	
Meteorology of Shanghai ...	89	tion of ... ..	46
Milk Supply ... ..	120	Force, Strength, etc. of the	55
Mixed Court :—		Foreigners apprehended	
Administration and Pro-		and charged ... ..	41
cedure for Arrests ...	62	Foreigners, etc. etc. arrested	
Prison, Condition of ...	66	and not charged ...	52
Proposed Revision of Con-		Larceny Reports, etc. ...	54
stitution of ... ..	69	Policing the Bubbling	
Municipal :—		Well Road and adjacent	
Gaol ... ..	73	roads ... ..	56
Loans ... ..	159	Prisoners, Monthly Return	
Properties ... ..	201	of ... ..	44
Rate, Summary of General	145	Prisoners, Weekly Return	
Staff ... ..	200	of ... ..	42
Natives, Arrest of, in the		Punishments ... ..	48
Settlement ... ..	62	Report of Captain-Superin-	
Death Returns ... ..	98	tendent ... ..	30
House Assessments ...	150	Warrants executed, etc. ...	51
Naval Company ... ..	22	Police Stations :—	
Night-soil, Agreement ...	85	Carter Road ... ..	166
Ningpo Guild Riots ... ..	79	Central ... ..	166
Nuisance Branch ... ..	83	Wayside ... ..	169
Nursing Home ... ..	114	West Hongkew ... ..	166
		Yangtze-poo ... ..	166
Obstruction at Fires ...	79	Pork and Beef Butchers' Shops	
Oil Lamps ... ..	292	and Stalls ... ..	118, 144
Opium-shops ... ..	140	Population ... ..	90
Orphanage, French ... ..	310	Portland Cement Concrete	
Outside Roads ... ..	197	Ware ... ..	192
		Post, Old Local ... ..	262
Pah Hsien-jao ... ..	119	Prince Henry of Prussia, Visit	
Park, Hongkew ... ..	175	of H.R.H. ... ..	258
Pavements, Street ... ..	179	Processions, Native Official ...	76
Pawn-shops ... ..	141	Properties, Municipal ... ..	201
Permits ... ..	194	Public Band ... ..	124
Pipe Drains ... ..	214	Gardens ... ..	175, 254
Plague ... ..	104, 200, 225	Lighting ... ..	286
Plans, Cadastral ... ..	196	Markets and Drill Hall ...	168
Police ... ..	30	Park, Hongkew ... ..	175
		Recreation Ground ..	176, 254
		School ... ..	310
		Wash-houses ... ..	117, 167
		Works, Labour employed	
		on ... ..	192
		Public Health Laboratory ...	113



	PAGE.		PAGE.
Quarry ... ..	176, 302	Taxes : Overseer's Report ...	140
Rabies ... ..	75, 81, 111	Tea-shops ... ..	141
Rate, Summary of General Municipal ...	145	Telephone Service ...	194, 279
Recreation Ground ...	176, 254	Theatres ... ..	143
Refuse, Disposal of ...	115	Thibet Road Chip Yard and Depôt ...	243
Regulations, Land ...	263	Thomas Hanbury School and Children's Home ...	308
Rifle Range, New ...	197, 225	Tramways ... ..	193, 277
Rifle Range Road ...	225	Trees ... ..	200
Old ... ..	240	Trenches, Gas and Water ...	191
Riots, Ningpo Guild ...	79	12-Bore Irregulars ...	24
Road Improvements ...	182	Typhoid Fever ... ..	102
Road Widenings and Extensions ...	226	Urinals and Latrines ...	116, 174
Roads ... ..	176	Vaccination ... ..	107
Extension No. 30 ...	229	Vaccine Station ...	108, 167
Foochow ... ..	233	Vasco da Gama Celebration ...	259
Hankow ... ..	226, 238	Veterinary Surgeon's Report ...	81
Honan ... ..	238	Vital Statistics ... ..	90
Jessfield ... ..	197	Volunteer Corps ... ..	2
Kiangse ... ..	236	Ammunition Grant ...	24
North Chekiang ... ..	185	Arms, Accoutrements, etc. ...	13
North Soochow ... ..	184	Artillery Gun-shed ...	170
North Szechuen ... ..	185	Drill Hall ... ..	168
Outside ... ..	197	Inspection, Report of ...	3
Peking ... ..	234	Naval Company ... ..	22
Rifle Range, New ...	8, 279	Officers, List of ... ..	9
Shanse ... ..	238	Report of Commanding Officer ...	2
Sinza ... ..	243	Rifle Range ... ..	197
Szechuen ... ..	236	Strength ... ..	11
Wetmore ... ..	231	12-Bore Irregulars ...	24
St. Xavier's School ...	313	Wash-houses, Public ...	117, 167
Sampans, Cargo-boats, etc. ...	142	Water and Gas Trenches ...	191
Sanitary Board ... ..	307	Water Carts ... ..	142
Sanitary Reorganization ...	83	Water Supply ... ..	117, 209, 299
Sanitation ... ..	115	Wayside Police Station ...	169
Sanitary Department, Changes in Staff ...	115	West Hongkew Police Station ...	225
Scavenging and Cleansing ...	115, 200, 209	Wharfage Dues ... ..	159
Schools ... ..	308	Wheel-barrows ... ..	142
Settlement Extension ...	196, 279	Woosung Bar Survey ...	262
Sewers and Drains ...	172, 212	Yang-king-pang, Dredging the ...	240
Slaughter-house ... ..	118, 168	Yangtze-poo Police Station ...	166
Small-pox ... ..	107		
Staff ... ..	300		
Steam Disinfecter ... ..	194		
Steam-launches ... ..	143		
Stoneware Pipe Drains ...	214		
Stray Dogs ... ..	75		
Street Pavements ... ..	179		
Survey of the Woosung Bar ...	262		

# MUNICIPAL REPORT.

---

The members of the Municipal Council for 1898 have pleasure in submitting to the Ratepayers the usual statement of accounts, together with their Report on Public Matters for the year.

The resignation of Mr. H. P. WILKINSON of his seat on the Council was received on the 12th January, but, owing to the near approach of the annual election, no steps were taken to fill the vacancy thus caused.

The members of the Council for 1898 met for the first time on the 11th March, when Mr. BURKILL, Chairman of the outgoing Council, handed over charge of the affairs of the Municipality and, with the other retiring members, withdrew.

The election of office-bearers for the year resulted as follows :—

*Chairman.*—Mr. J. S. FEARON.

*Vice-Chairman.*—Mr. J. WELCH.

*Works Committee.*—Messrs. J. S. FEARON, J. PRENTICE and M. ROHDE.

*Watch Committee.*—Messrs. J. WELCH, E. A. HEWETT and A. P. STOKES.

*Finance Committee.*—Messrs. F. ANDERSON, R. INGLIS and E. SHELLIM.

*Sanitary Committee.*—Messrs. F. ANDERSON, E. A. HEWETT and M. ROHDE.

Private affairs compelled the Chairman to be absent from Shanghai from the 3rd August to the 30th November, but the constitution of the Council has remained unaltered throughout the year.

---

# WATCH MATTERS.

---

## SHANGHAI VOLUNTEER CORPS.

---

### COMMANDING OFFICER'S REPORT.

---

HEAD QUARTERS, 18th January 1898.

SIR,

In accordance with Volunteer Regulation No. XXX, I have the honour to report as follows on the Shanghai Volunteer Corps during 1898.

*Numbers* have only remained steady, there being a total of 341 of all ranks on 31st December 1898, against 339 on 31st December 1897.

*Active Service.*—The Corps has not been called out during the year, although the members were ready to turn out at a moment's notice during the trouble over the Ningpo Joss-house in July.

*Organization.*—In the Spring a company of Naval Volunteers was raised under the auspices of the Mercantile Marine Officers' Association for work with the Machine Guns either afloat or ashore. The uniform is a modification of that worn in the British Navy. The Members have been working steadily as opportunity offered, and by next Inspection will doubtless be a credit both to themselves and the Corps.

The Reserve was also augmented by the enrolment of a number of men armed with fowling-pieces, and called the "12-Bore Irregulars."

*Inspection.*—The Council having applied to His Excellency the G.O. Commanding the Forces in Hongkong, Major CLOSE, R.A., was detailed for that duty, which was carried out on 21st April 1898. The following correspondence includes the Report of the Inspection :—

*From the General Officer Commanding in China and Hongkong.*

Hongkong, 4th May 1898.

SIR,—I have the honour to forward herewith a very frank and, in the circumstances of the case, a very satisfactory report from Major Close, Royal Artillery, whom I detailed to inspect the Volunteer Force at Shanghai.

2.—An inspecting officer would perform his duties inefficiently and perfunctorily, if he did not notice all defects that met his eye.

3.—Major Close, while fully appreciating the many excellent points of the Volunteer Corps, has not scrupled to point out all the shortcomings which he observed, although it is only fair to say that many of these are of trifling import when compared with the prime necessity of good shooting, and are probably due to the circumstances which prevent drill and gun practice manœuvring during a great part of the year in Shanghai.

4.—The report clearly indicates to the Commandant the points to which he should direct his attention.

5.—I recommend to your attention Major Close's remarks on the provision of a dry and secure gun-shed in which the limbers could be safely packed with ammunition.

6.—I see that explosives are still kept in an ordinary building amid other buildings. All filled cartridges should be in a magazine or cartridge store under magazine conditions, and detonators should be in a room by themselves. This regulation, now slightly relaxed, I brought to your notice in April 1897, and again on my visit to Shanghai last October.

7.—I also notice that my recommendation of last year for the substitution of '303 Maxims in place of Nordenfeldts, and for the provision of water-bottles, greatcoats, and haversacks still apply.

8.—I have called the Chief Ordnance Officer's attention to the cartridges of the 9-pr. R.B.L. guns being too high in gauge.

9.—In conclusion, I may add that I shall be happy at all times to do what I can to aid you in promoting the efficiency of the Volunteers at Shanghai.

I have the honour to be,

Sir,

Your obedient servant,

W. BLACK,

*Major-General.*

The Chairman,  
Shanghai Municipal Council

---

• Hongkong, 29th April 1898.

SIR,—I have the honour to report for the information of H.E. the G.O.C. in China, that, in accordance with instructions, I proceeded to Shanghai on the 17th instant, and arrived there on the 21st instant.

The same day the whole Corps (Field State attached) paraded for my inspection on the Race Course, in marching order, Light Horse on the right, then the Field Artillery, then A., B., & C. Companies, with the German Company on the left, the whole under the command of Major Holliday, S.V.C. The

General Salute was well given, and on inspecting the line the following points were noticed :—

*Light Horse.*—Well turned out. Ponies all fitted with regulation bits. Saddlery not polished, iron-work in clean oil. General appearance workmanlike.

*Artillery.*—Very well turned out and same remarks as for Light Horse.

*Infantry.*—Well turned out. The drummers would look better if they were provided with better fitting helmets. The present pattern are too large for them.

The Corps then marched past in column of squadrons, batteries and companies, the Infantry returned in quarter column, the Cavalry and Artillery trotted past, then ranked past by single file, and finally the Cavalry galloped past. The ponies of the Cavalry and Artillery are well in hand, and I consider this is due to the bits. The Light Horse require more riding, and many of the troopers failed to carry swords. The dressing of all units was good, and the German Company in particular was excellent. The drivers of the Artillery did not salute with their whips in ranking past as they should have done. In the gallop past of the Light Horse the dressing was not good, as some of the ponies were out of hand.

Each unit was then exercised by its officers in turn.

The Light Horse formed for sword exercise, which was badly done, and requires a lot more practice. The pursuing practice was better, but not good. The action of this unit dismounted was good, and the officers evidently understand what they are about.

The Infantry drilled well, and the German Company were excellent. Much credit is due to this Company for the precision and accuracy of their drill. A., B., & C. Companies require more practice in the manual and firing exercises. I was glad to find that all the junior officers were able to handle their Companies well.

The Artillery require much more practice in Fire Discipline. The officers did not dismount in action as they should have done, and the Battery Commander did not place himself on the flank of his battery. Orders were not passed properly, and the system of rapid ranging by signals is not properly understood. The advance into action was well done, and the retirement was properly carried out at a walk.

I consider that the general appearance of the Corps reflects credit on Major Holliday, and was satisfactory.

On the 22nd instant I inspected the Drill Hall, Office, Armoury and Magazines.

The Drill Hall is a mat-shed and has a *manège* at one end of it. The guns and Nordenfeldt machine guns are packed in it, and no ammunition is kept in the limber-boxes. I understand that a new Drill Hall is being built, and would

strongly advocate the gun limbers being properly packed with ammunition as soon as a properly secured gun-shed is provided. If required suddenly much time would at present be lost in getting ammunition from the magazine.

The magazine is in the Central Police Station, and its arrangement is most dangerous. Filled shell and cartridges are kept all together in it, there is no lobby for putting on magazine boots, and no lighting arrangements, and I urged on the Commandant the necessity of getting a separate building for filled shell and S. A. Ammunition. I think this matter should be immediately seen to.

On the 23rd instant, I went to "The Point" and witnessed Artillery practice. The ground is very cramped, and proper practice for Field Artillery is almost impossible in consequence. The remarks previously made *re* Fire Discipline again apply to my observations at this practice. The firing was too slow. This however is largely due to the fact that the cartridges for the 9-pr. R.B.L. guns were nearly in every instance too high in gauge, and I think the fault lies with the persons who make up these cartridges at Hongkong. It not only destroys all attempt at smartness but is a source of great danger in peace, as they have to be forced in, and on service might be the cause of disaster. I recommend that the present stock be returned and reduced in gauge so as to admit of easy loading. I attach a report from the O. C. the Battery.

The same evening I inspected the Signallers of the Corps (5). They are slow but accurate. I find that there is no officer qualified in this subject. I would suggest that instruction in signalling be given the Corps annually, and that an officer be appointed to supervise.

I inspected the Registers of Musketry and Artillery practice, which are correctly kept up.

I had no opportunity of seeing practice with the Nordenfeldt machine guns but, from all accounts, they are not a great success. I think this Corps should be provided with the '303 Maxim. A Battery of four Maxims would be of enormous value in the event of riots, such as the Corps might be called upon to encounter at any minute. I think Government ought to provide them as an encouragement to men who are striving to obtain efficiency.

The Corps is not provided with water-bottles, greatcoats, or haversacks. These articles of equipment appear to me to be necessary for all troops.

I have the honour to be,

Sir,

Your most obedient servant,

F. M. CLOSE,

Major, R.A.

---

Council Room,  
Shanghai, 16th May 1898.

SIR,—I have the honour to acknowledge the receipt of your Excellency's communication of the 4th instant, forwarding for the information of the Council Major Close's report on the recent inspection of the Shanghai Volunteer Corps. The Council is glad to learn that you consider the report to be a satisfactory one.

A copy of your despatch and enclosure has been handed to the Commanding Officer of the S.V.C. for his information and guidance, and I have now to convey to you the thanks of the Council in this matter.

Instructions have been given to carry out your recommendation with regard to the storage of filled cartridges.

I have the honour to be,  
Sir,  
Your obedient servant,  
J. S. FEARON,  
*Chairman.*

H.E. Major-General WILSONE BLACK, C.B.,  
Commanding H.M.'s Forces  
in China and Hongkong.

---

With reference to the Inspecting Officer's remarks on the subject of equipping the Corps with Water-bottles, Greatcoats and Haversacks, I have to say that the Haversacks being inexpensive and not liable to spoil have since been supplied, but that as regards the others I can only repeat what I have previously said to you :—

*Water-bottles* have never yet been required and it is unlikely that they ever will be, because it is extremely improbable that the Corps will ever be called on to act outside the streets of the Settlement, or at any rate more than at a very short distance from them. Water-bottles are expensive to buy and will spoil by keeping, and it hardly seems worth while, when money is so urgently needed by the Corps in other directions, to spend it on articles that will, in all probability, lie so long in store without being needed that when they are called for they will be found unserviceable.

*Greatcoats.*—The case against spending money on providing these is even stronger, because practically they can be provided at a moment's

notice. When a regular soldier has not a Military greatcoat he has no greatcoat at all, but this is obviously not the case in the S.V.C., where every member has one or more of civilian pattern. Greatcoats would only be really needed if the Corps was out for actual service in inclement weather, and in that case I think it safe to say no one would mind the rather motley appearance it would present clad in an assortment of civilian greatcoats. There is, however, another possible case, *viz.* that of having to mount a Guard for perhaps several days as a precautionary measure, when appearances would go for something, and to provide for this I would again respectfully recommend that 50 Military Greatcoats should be provided and kept in store except when actually required.

*Gunnery.*—Artillery Practice has been kept up at the Point, and 116 projectiles have been expended.

*Musketry.*—The following are the particulars of the Small Arm Ammunition expended during the year:—

Lee-Metford Ball:

Issued free ...	...	...	...	46,874	
On payment	...	...	...	17,437	
					<hr/> 64,311

M.-H. Rifle Ball:

Issued free ...	...	...	...	3,405	
On payment	...	...	...	—	
					<hr/> 3,405

M.-H. Carbine Ball:

Issued free ...	...	...	...	3,462	
On payment	...	...	...	1,296	
					<hr/> 4,758

Nordenfeldt Ball:

Issued free ...	...	...	...	629	
On payment	...	...	...	—	
					<hr/> 629

Revolver Ball:

Issued free ...	...	...	...	788	
On payment	...	...	...	883	
					<hr/> 1,671



*Arms.*—The Arms and Accoutrements of the Corps continue in fairly good order, and the whole of the Small Arms have recently been overhauled by the Armourer of H.M.S. "Phoenix," under the kind permission of Captain COCHRAN, R.N.

*Uniforms.*—During the year the following have been issued :—

Uniforms Complete	...	...	70
Tunics and F. S. Jackets	...	...	49
Trousers and Pantaloons	...	...	43
Khaki Uniforms...	...	...	70
Helmets	...	...	20
Leggings	...	...	16
Caps	...	...	10

*Artillery Ponies.*—There are at present 8 Artillery Ponies, 2 at least of which are in hardly serviceable condition. It will be necessary after the conclusion of the approaching training to have them all examined with a view to replacing any which are too unsound for their work. Owing to alterations in the Municipal Buildings early in 1898 the Ponies were sent to the Shanghai Horse Bazaar where they remain at present. At the same time the Guns had to be taken from the Gun-shed and stored in the Drill-shed on the Soochow Creek.

*Rifle Range.*—The Chinese Authorities have completed an excellent road to the Rifle Range, which is now accessible to vehicles of all descriptions.

The Telephone connecting the Butts with each Firing Point has arrived from England and has been in working order for some time.

*Parade Ground.*—The Recreation Ground no longer being available for Parade purposes, a piece of ground adjoining the Range has been purchased for the use of the Volunteers. This is now being put in order, and will be ready in time for the training.

*German Company.*—PRINCE HENRY OF PRUSSIA inspected this unit specially in the Spring, and granted permission to the members to wear

the letters P. H. von. P. on their shoulder-straps. This addition, having received the sanction of the Council, has been adopted.

*Shooting Committee Incident.*—With reference to the withdrawal of three commissions on account of this incident, I may mention that the full correspondence on the subject has been published in pamphlet form by the Council, and copies can be obtained at the Secretary's Office.

*Field Day.*—A successful Field Day was held on the 14th December in conjunction with a landing-party from H.M.S. "Phoenix." The Sailors took up a position in Se-king-mow Village, which the Volunteers attacked.

*Seniority.*—The following is a list of the Officers of the Corps referred to in Volunteer Regulation VII in order of Seniority on 31st December 1898:—

Major Cecil Holliday	...	...	...	1	12	97
„ Brodie Clarke	...	...	...	30	12	96
Capt. W. M. Dowdall	...	...	...	8	2	93
„ T. E. Trueman	...	...	...	11	7	94
„ H. Heyn	...	...	...	6	2	96
„ W. D. Little	...	...	...	26	1	97
„ C. Murray Adamson	...	...	...	17	8	97
„ E. P. Wickham	...	...	...	27	8	98
Lieut. G. R. Wingrove	...	...	...	14	3	93
„ C. Whittall	...	...	...	1	4	98
„ W. V. Carmichael	...	...	...	24	4	98
„ H. E. Keylock	...	...	...	29	8	98
„ T. Ruff	...	...	...	22	12	98
2nd Lieut. E. Gumpert	...	...	...	14	3	93
„ D. M. Moses	...	...	...	13	5	97
„ W. Whitfield	...	...	...	22	2	98
„ A. N. Woodward	...	...	...	1	4	98
„ L. Witt	...	...	...	17	4	98

*Appointments, Resignations, Withdrawals and Leave.*—These have been as follows :—

#### APPOINTMENTS.

Lieut. C. Murray Adamson to be Captain ...	17	8	98
„ E. P. Wickham do. ...	27	8	98
Mr. E. P. Wickham to be Lieut. ...	27	1	98
2nd Lieut. W. Whittall to be Lieut. ...	1	4	98
Mr. W. V. Carmichael do. ...	24	4	98
V.-S. Lieut. H. E. Keylock do. ...	29	8	98
2nd Lieut. Ruff do. ...	20	12	98
Sergt. A. N. Woodward to be 2nd Lieut. ...	1	4	98
„ H. G. Gardner do. ...	6	4	98
„ L. Witt do. ...	17	4	98
Col.-Sergt. Alan H. Stewart do. ...	30	6	98

#### RESIGNATIONS.

Lieut. H. Beck ... .. from	28	10	97
„ E. E. Porter ... .. „	30	11	97
„ H. C. Heffer ... .. „	28	1	98
„ A. Rohde ... .. „	9	3	98
Capt. C. Wedemeyer ... .. „	9	3	98
2nd Lieut. L. J. Cubitt ... .. „	28	4	98
Capt. C. O. Liddell ... .. „	21	7	98

#### WITHDRAWALS.

##### *Under Volunteer Regulation XV.*

Lieut. J. B. Cameron ... .. from	29	10	98
Capt. Alfred B. Rex ... .. „	10	11	98
Lieut. H. W. Daldy ... .. „	10	11	98

#### LEAVE.

##### *Under Volunteer Regulation XXXVIII.*

2nd Lieut. H. G. Gardner.	
„ Alan H. Stewart.	

*Particulars of the Strength of the Corps.*—The following is the full strength of the Corps on the 31st December 1898 :—

STAFF, S.V.C.

Major Cecil Holliday (Commanding the Corps).

Capt. and Adjutant C. A. G. Close.

„ W. M. Dowdall.

Surgeon-Major E. Henderson.

Surgeon-Capt. N. Macleod.

„ „ W. J. Milles.

„ „ C. Lalcaca.

Chaplain, The Rev. H. C. Hodges, M. A.

Lient. and Bandmaster, M. Vela.

Corps Sergt.-Major J. Lowrie.

Sergt.-Major A. B. Trodd.

Staff-Sergt. Instructor W. Armstrong.

LIGHT HORSE.

Capt. E. P. Wickham.

Lieut. H. E. Keylock.

2nd Lieut. D. M. Moses.

30 N.-C. Officers and Men.

ARTILLERY.

Major Brodie A. Clarke.

Lieut. T. Ruff.

56 N.-C. Officers and Men.

“A” COMPANY.

Capt. W. D. Little.

Lieut. G. R. Wingrove.

2nd Lieut. E. Gumpert.

65 N.-C. Officers and Men.

“B” COMPANY.

Capt. T. E. Trueman.

2nd Lieut. W. Whitfield.

49 N.-C. Officers and Men.

“C” COMPANY.

Capt. C. M. Adamson.  
Lient. W. Whittall.  
2nd Lieut. A. N. Woodward.  
22 N.-C. Officers and Men.

GERMAN COMPANY.

Capt. H. Heyn.  
Lient. L. Witt.  
48 N.-C. Officers and Men.

NAVAL COMPANY.

Lieut. Carmichael.  
Gunner Morton.  
42 Petty Officers and Men.

RETIRED LIST.

Major Morrison.  
Capt. W. H. Anderson.  
„ G. Lanning.  
„ C. J. Dudgeon.

---

I have the honour to be,

Sir,

Your obedient servant,

CECIL HOLLIDAY,  
*Major, Commanding S.V.C.*

The Chairman,  
Shanghai Municipal Council.

---

**S. V. C.**

**RETURN OF ARMS, ACCOUTREMENTS & AMMUNITION.**  
31ST DECEMBER 1898.

**ARTILLERY EQUIPMENT.**

GUNS AND HARNESS.	Stock at Date.
<p><b>9-PR. ARMSTRONG R.B.L. BATTERY—</b></p> <p>Guns ... .. 4</p> <p>Gun Carriages with fittings complete ... .. 4</p> <p>Wagon Bodies " " and spare wheel ... 2</p> <p>Limbers " " " " " " 2</p> <p>Ammunition Wagon (for S.A. Ammunition) ... .. 1</p>	
<p><b>HARNESS—</b></p> <p>Near Wheelers, complete ... .. sets 8</p> <p>Off " " " " " " 8</p> <p>Near Leaders " " " " " " 8</p> <p>Off " " " " " " 8</p> <p>Saddles for Officers and Nos. 1, complete ... .. 7</p> <p>Bridles " " " complete ... .. 11</p> <p>Leg Guards ... .. 24</p> <p>Whips ... .. 13</p> <p>Whip Thongs ... .. —</p>	

## ARTILLERY EQUIPMENT—continued.

SMALL ARMS AND ACCOUTREMENTS.	Stock at Date.
Sword Bayonets & Scabbards, Old Pattern ... ..	14
"          "          "          New " ... ..	50
Swords for Officers and Sergeants ... ..	9
Belts, Waist, with Frogs... ..	52
"    Officers' Sword ... ..	2
"    Sergeants' Sword ... ..	6
"    Officers', Shoulder, with Pouches ... ..	7
"    Other Ranks', Shoulder, with Pouches ... ..	69
"    "          "          without Pouches ... ..	5
Sword Knots, Buff ... ..	24
Bugle ... ..	1
Trumpets ... ..	—
Burnisher ... ..	1
Grenades, Collar, Silver, pairs ... ..	8
Shoulder Cords, Gold, 2nd Lieut., pair ... ..	1
"    "    "    1st ... ..	1
"    "    "    Captain, pair ... ..	1
Chevrons, Bombardier ... ..	11
Crowns and Gun ... ..	2
Badge, Trumpeter's ... ..	1
"    Guns ... ..	4
Bosses, Sets of, for Bits ... ..	24
Chains Curb, New ... ..	12
"    "    Old ... ..	16

LIGHT HORSE EQUIPMENT.

	Stock at Date.
Carbines, Martini-Henry, Old Pattern...	19
"    "    "    New    "    ...	98
Sight Protectors, Carbine	125
Sabres	21
Swords, New Pattern	49
Revolvers with Cases	—
Belts, Shoulder, with Pouches	39
"    Sword	67
"    Revolver	—
Slings (black)	43
Sword Knots	102
Bridles, complete	56
"    "    for Officers, Staff	6
Chain Reins	17
Breastplates	55
"    for Officers, Staff	6
Carbine Buckets	37
Saddle Cloths	46
Wallets	82
Saddles	39
Head-ropes	59
Sword-frogs	34
Girths, Saddles, pairs	36
Cotton Lanyards, Revolvers	32
Bits, Curb, with Chains	24
Bits, Bridoons	22
Spurs, with Chains, pairs	74
Leggings	29
Sword for Officer, with cover	1
Shoulder Cords, Gold, 2nd Lieut., pair	1
"    "    "    1st    "    "    "	—
"    "    "    Captain, pairs	2
Chevrons, Troop Sergt.-Major	1
"    Sergeants	—
"    Corporals	3
Badges of Rank, Gilt Crowns	2
Gold Embd. Crowns	5
Silver	—
Stirrup Irons and Leathers, pairs	30
Trumpet	1
Buckles, Shoulder, Belt	32
Sword Knots, Gold	2
Buttons, Gilt, large	67



**ENGINEERS' EQUIPMENT.**

	Stock at Date.
Carbines, Martini-Henry, N.P. ... ..	—
Sword Bayonets and Scabbards, New Pattern ... ..	50
Officer's Sword, with Cover ... ..	1
Belts, Waist, Officers', Sword ... ..	3
„ „ with Frogs ... ..	66
„ „ Shoulder, with Pouches ... ..	3
Slings, Brown (M.H. Rifle and Carbine) ... ..	50
Pioneer Axes ... ..	3
„ Hatchet ... ..	1
„ Spades ... ..	2
„ Pick Axes ... ..	2
„ Bill Hooks ... ..	2
„ Crowbar ... ..	1
„ Punching Bar ... ..	1
„ Hammers ... ..	6
„ Drills ... ..	13
„ Chisels ... ..	6
Machine Guns, '45" 3 Barrel Nordenfeldt Carriages and Limbers, Complete ... ..	2
Bridge Wagon ... ..	1
G. S. Wagon ... ..	1

# INFANTRY EQUIPMENT.

	Stock at Date.
Rifles, Martini-Henry, Old Pattern ... ..	176
" " " New " ... ..	169
Sword Bayonets with Scabbards ... ..	213
Triangular " " " " ... ..	289
Cleaning Rods, extra ... ..	4
Jags ... ..	362
Muzzle Stoppers ... ..	340
Sight Protectors ... ..	340
Burnishers ... ..	3
Swords for Officers ... ..	16
Revolvers with Cases, Belts and Pouches ... ..	59
Belts, Waist, with Frogs, Black ... ..	240
" " " Brown ... ..	85
" " Officers' Sword ... ..	16
" Shoulder, with Pouches, Old Pattern ... ..	220
" Waist, with Frogs, Brown ... ..	250
Pouches, Black Leather ... ..	292
Slings, Enamelled, White ... ..	243
" Black ... ..	106
Knee Caps ... ..	20
Sword Knots ... ..	18
Sashes for Officers ... ..	13
Slings, Brown ... ..	250
Bugles ... ..	6
Morris' Tubes ... ..	10
" Cleaning Rods ... ..	10
" " Brushes ... ..	10
" Keys ... ..	10
Shoulder Cords, Gold, 2nd Lieut., pairs ... ..	6
" " 1st " " ... ..	6
" " Captain " " ... ..	3
Chevrons, Sergeants', Art. and Infy. ... ..	1
" Single Stripe " " ... ..	1
Badges, Colour Sergts., Infy. ... ..	2
" Buglers " " ... ..	4
" Crowns, Sergt.-Major ... ..	3
" Stars, L.-H., Art., and Infy., Silver Embd. ... ..	22
" Marksmen " " ... ..	40
" 5 Yrs. Efficiency ... ..	40
Medals, Drill, Silver ... ..	4
" Bronze ... ..	15
Rifles, " Lee-Metford (Magazine) ... ..	300
Bayonets ... ..	300
Sight Protectors ... ..	344
Oil-bottles ... ..	300
Pull-throughs ... ..	300
Cleaning Rods ... ..	100

## INFANTRY EQUIPMENT—continued.

							Stock at Date.
Officers' Gilt Metal Stars	...	...	...	...	...	...	32
" " Crowns	...	...	...	...	...	...	6
" Silver Emb. "	...	...	...	...	...	...	8
" Collar Badges, Enamelled	...	...	...	...	...	...	10
Sergeants' Sashes	...	...	...	...	...	...	11
Steel Wire Brushes	...	...	...	...	...	...	2
Gold Emb. Batt. B.S. Badges	...	...	...	...	...	...	3
White Sword Knots	...	...	...	...	...	...	12
Sight Protectors	...	...	...	...	...	...	50
Oil Bottles	...	...	...	...	...	...	24
Cocking Pieces	...	...	...	...	...	...	17
Piling Swivels	...	...	...	...	...	...	49
Butt "	...	...	...	...	...	...	50
Lower Band Swivels	...	...	...	...	...	...	49
Cords, Pull-through, with weight	...	...	...	...	...	...	264
" Pull-through, without weight	...	...	...	...	...	...	297
Whistles and Lanyards	...	...	...	...	...	...	30
Chain Burnishers	...	...	...	...	...	...	6
Wire "	...	...	...	...	...	...	6
1-9" Steel "	...	...	...	...	...	...	1
S.V.C. Letters for Shoulder Straps, pairs	...	...	...	...	...	...	20
Black Leather Pouches	...	...	...	...	...	...	50
S.V.C. Letters for Shoulder Straps, pairs	...	...	...	...	...	...	4
Khaki Chevrons, 1 Bar	...	...	...	...	...	...	11
" " 2 Bars	...	...	...	...	...	...	9
" " 3 "	...	...	...	...	...	...	10

AMMUNITION.

DESCRIPTION.	Stock at Date.
<p><b>FOR 9-PR. R.B.L. GUNS—</b></p> <p>Solid Shot ... .. 46</p> <p>Shells, Common, filled ... .. 209</p> <p>    " Segment " ... .. 120</p> <p>    " Shrapnel " ... .. 216</p> <p>Case Shot ... .. 379</p> <p>Fuzes, Percussion B.L., plain ... .. 308</p> <p>    " Time, Wood, with det. 15 sec. ... .. 201</p> <p>    " " Armstrong, E. ... .. 370</p> <p>Cartridges, Service ... .. 1,061</p> <p>    " Saluting ... .. 24</p> <p>Friction Tubes ... .. 881</p>	
<p><b>FOR NORDENFELDT-GUN MACHINE '45"—</b></p> <p>Cartridges, Ball ... .. 53,938</p> <p>    " Blank ... .. 4,253</p>	
<p><b>FOR SMALL ARMS—</b></p> <p>M.-H. Rifle Cartridges, Ball ... .. 70,623</p> <p>    " Carbine " " ... .. 2,119</p> <p>    " Cartridges, Blank ... .. 5,844</p> <p>Revolver Cartridges, Ball ... .. 4,939</p> <p>Morris' Tube Cartridges ... .. 600</p> <p>Lee-Netford Mag. Rifle ... .. —</p> <p>Cartridges Ball ; '303 Cordite ... .. 26,642</p> <p>    " " " Powder ... .. 4,400</p> <p>    " Blank " Cordite ... .. 22,926</p> <p>Signal Rockets ... .. 4</p> <p>Blue Lights ... .. 21</p>	

# S. V. C.

## GENERAL STORE.

### A.—"CLOTHING."

DISTRIBUTION.	
F. S. Caps.	...
Forage Caps.	...
Helmets with Mountings Complete.	1 1 26
Stable Jackets.	4 ...
Tunics.	... 10 23
F. S. Jackets, Red Serge.	... 2
Pantaloons.	4 ...
Trowsers.	... 25
F. S. Jackets, Khaki.	<i>all arms</i> { 15 ... }
Pantaloons, Khaki.	2 ...
Trowsers, Khaki.	... 12
Putties, Khaki.	<i>prs.</i> ... 3
Leggings, prs.	<i>prs.</i> ... 101
Patrol Jacket.	... 1
Sash.	... 1
Khaki-cloth (yards).	<i>yds.</i> ... 1,012½
Helmets, Unserviceable.	... 52

### B.—“EQUIPMENT.”

163 $\frac{3}{4}$	<i>yds.</i>	Saddle Cloth, Blue.	LEATHER.	THREAD.
513 $\frac{1}{2}$	<i>yds.</i>	Do. Binding, Red.		
351 $\frac{1}{2}$	<i>yds.</i>	Girthing* 3", 3 $\frac{1}{2}$ " & 4".		
36 $\frac{1}{2}$	<i>yds.</i>	Girthing, Extra Broad 5".		
83 $\frac{1}{2}$	<i>yds.</i>	Girthing, 5" Yellow & Blue.		
135	<i>yds.</i>	Webbing, 2", White.		
52	<i>yds.</i>	Webbing, 1 $\frac{1}{4}$ ", White.		
51 $\frac{1}{2}$	<i>yds.</i>	Saddle-lining, White serge.		
68	<i>ft.</i>	Head Rope, White.		
21 $\frac{1}{2}$	<i>yds.</i>	Numnah-Cloth, Brown felt.		
—	—	Whip Lashes, Drivers'.	LEATHER.	THREAD.
13	—	Whip Handles, Drivers'.		
7	<i>Hides.</i>	Harness, 4 Rolls.		
10	<i>Hides.</i>	Rein, 5 Rolls.		
10	<i>Hides.</i>	Facing.		
2	<i>Hides.</i>	Saddles, Pigskin.		
1	<i>Hides.</i>	Patent, Black.	LEATHER.	THREAD.
98	<i>Balls.</i>	Hempen, White.		
9	<i>Balls.</i>	Hempen, Yellow.		

* 4	Rolls, 3" @ 15½	= 61½	} 321½ yds.
2	" 4" @ 51½	= 103½	
1	" 3½" @ —	= 101½	
1	" 3½" @ —	= 85	

**C. G. CLOSE,**

*Captain,*

*Adjutant S. V. C.*

31st December 1898.

NAVAL COMPANY.

---

The following correspondence took place in regard to the formation of this additional Branch of the Volunteer Corps, and the Council learns with pleasure, from the Commanding Officer's report, of its progress towards efficiency :—

Head Quarter Office,  
Shanghai, 26th February 1898.

*From the Officer Commanding the Corps to the Chairman, the Shanghai  
Municipal Council.*

SIR,—I have the honour to inform you that 40 of the Mercantile Marine Officers connected with the port of Shanghai have, acting under the auspices of the Mercantile Marine Officers' Association, decided to tender their services to the Council to form a Naval Company of the S.V.C. to work the machine guns, either afloat or ashore, as circumstances may direct.

I have had the pleasure of an interview with them and enclose a letter dated 24th instant, from the Chairman of their Committee, embodying the main points settled, from which you will see the new Company would come in on exactly the same terms as those already forming the Corps.

A special standard of efficiency would of course have to be fixed, as the ordinary avocations of the members would preclude them from putting in the whole of their drills, etc. during the usual annual training of the S.V.C., but this, and all details in regard to instruction and such things, can be satisfactorily arranged.

I propose to arm them with M.H. carbine and sword bayonets in addition to the machine guns. The uniform worn would be an adaptation of the usual Blue-jacket's one.

The members hope to increase the numbers very largely when once organised and in working order.

I cannot too strongly recommend the acceptance by the Council of this offer, for I am thoroughly convinced that if the new Company should prove a success, and I can see no valid reason why it should not do so, it would be a very valuable addition indeed to the strength of the S.V.C.

I have the honour to be,

Sir,

Your obedient servant,

CECIL HOLLIDAY,

*Major, Commanding S.V.C.*

---

M.M. Officers' Association,  
Shanghai, 24th February 1898.

DEAR SIR,—In reply to your letter of the 19th January 1898, relative to the formation of a Naval Volunteer Corps, we beg to inform you that a Committee has been formed to carry out your wish and suggestions. We are pleased to say that up to the present time forty members have placed their names on a list, and are willing to serve in the Naval Brigade. The said members are desirous to place themselves entirely under your control, in conjunction with the Shanghai Volunteers, for the protection of the Settlements.

I am, Sir,

Yours faithfully,

E. J. TADD,  
*Chairman of Committee for the  
Naval Volunteers.*

Major HOLLIDAY,  
S. V. Corps.

Council Room,  
Shanghai, 9th March 1898.

SIR,—I am directed to acknowledge the receipt of your letter of 26th ultimo, which has received the careful attention of the Council at its two last meetings. The proposed formation of a Naval Volunteer Company, as therein set forth, is a matter which, in the opinion of the Council, requires more detailed consideration than can be given to it in the short time during which the Council will remain in office; it has therefore been referred to the immediate attention of the incoming Watch Committee, who will doubtless confer with you on the subject at the earliest possible date.

I have the honour to be,

Sir,

Your obedient servant,  
J. O. P. BLAND,  
*Secretary.*

Major CECIL HOLLIDAY,  
Commanding S.V.C.

Council Room,  
Shanghai, 17th March 1898.

SIR,—With reference to the interview which took place yesterday between yourself and the Council to discuss your proposals in regard to the formation of a Naval Company of the S.V.C., I am now directed to state that the Council accepts the offer conveyed in your letter of 26th ultimo and sanctions the formation of the proposed Company.



The Council requests that you will convey its thanks to the members of the Mercantile Marine Officers' Association for their public-spirited offer to co-operate in the protection of the Settlement.

I have the honour to be,

Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

Major CECIL HOLLIDAY,  
Commanding S.V.C.

---

### 12-BORE IRREGULARS.

---

The possibilities of riot in July had some effect in drawing the attention of shooting men to the practicability of effective organisation for defence purposes, and a company with the above title was hastily enrolled. The following resolution was subsequently passed by the Council to give official sanction to similar action in the future should occasion arise:—

“The Council authorises the Commandant, for the time being and from time to time, of the S.V.C. to enrol in the Reserve Branch of the Force (at his discretion) such men as may be willing to serve with 12-bore guns or other firearms in the event of riot, or other occasion for their services. And the Council also authorises the Commandant to make such rules and regulations in connection therewith as may be considered desirable.”

---

### FREE AMMUNITION GRANT.

---

The discontinuance of the grant of rifle ammunition for so many years made by H.M. Government was the subject of considerable correspondence with the Hongkong Military Authorities in July and August last. It appeared that at the time of the change from Martini-Henry to Lee-Metford rifles in 1895, the War Office instructions did not explicitly mention that a free grant of Lee-Metford ammunition would be substituted for the old grant, and that, in consequence, payment would have to be

made for all such requirements. The Major Commanding, during a visit to Hongkong later in the year, placed the matter before the General Officer Commanding H.M. Forces in China, and, after perusal of all letters and despatches which had passed on the subject, that officer signified his willingness to forward and recommend an application for a resumption of the grant. Such application was accordingly made in the following terms, and the hope is entertained that it may be viewed by the War Office in a favourable light :—

Council Room,  
Shanghai, 19th September 1898.

SIR,—I have the honour to refer to recent correspondence between yourself and this Council on the subject of the free grant of ammunition to the Shanghai Volunteer Corps.

It is needless for me to recapitulate the points touched upon in these letters and despatches, the same having been summarised in Major Holliday's letters to you dated 18th and 25th ultimo, and your letter to him of 23rd idem. Copies of these last letters have been laid before the Council, and I am now directed to approach you with an application, which the Council trusts may be forwarded through the proper channels to the War Office Authorities, for a renewal of the free grant of 30,000 rounds of ammunition annually.

The Council ventures to hope that this application may be sent in with the approval and recommendation of H.E. the Major-General, and submits for his consideration the following grounds upon which the request is based :—

1.—The grant, the initiation of which was unsolicited, has been in existence for ten years and has been regarded during that period as an indefinite recognition on the part of H.M. Government of the predominating character of British interests in the Settlements of Shanghai.

2.—It forms part of the chain which since the establishment of the Volunteer Corps in Shanghai has connected the Corps with the organisation of H.M. Forces in China, as further evidence of which I may cite the expression of appreciation of the creditable condition of the Corps in 1886 by H.R.H. the then Commander-in-Chief, the repeated assurances of H.E. the Major-General and of his predecessors in the Hongkong Command of the interest which they have taken in the Corps' welfare and the annual appointment of an Inspecting Officer and loan of the services of one or more Sergeant-instructors, both of which have tended greatly to the Corps' efficiency.

3.—It may be urged in support of the application that the maintenance of an efficient force of Volunteers in Shanghai relieves H.M. Government to some extent in the matter of the disposal of ships whose presence here is not of so

great urgency as in a port where British residents depend solely upon H.M. Navy for protection in case of riot or disturbance among the Chinese.

4.—A note may be made of the fact that the free use of the Shanghai Rifle Range has always been accorded to H.M. Ships who desire to go through their musketry course while stationed here.

5.—It has been suggested that it is possible that a misunderstanding may have arisen at the time of the adoption of the Lee-Metford rifle in lieu of the old Martini-Henry weapon, and that the grant of 30,000 rounds "as a reserve" was not intended to be the last free issue of ammunition. Had a proper and full representation of the facts been then made to the War Office Authorities it may have been that the substitution of cartridges suitable for the new rifle in the issuing order would have been sanctioned. If this surmise is correct the inference is that the grant was discontinued unwittingly, and under those circumstances its resumption should not present great difficulty.

I have the honour to be,

Sir,

Your obedient servant,

W. E. LEVESON,

*Assistant Secretary.*

Lieut.-Colonel J. L. WHEELER,  
Chief Ordnance Officer,  
Hongkong.

---

The question of R.B.L. gun ammunition has also during the year been placed upon a definite basis, and the following despatch giving the present allowance is printed herewith for record :—

*From the Chief Ordnance Officer in China.*

---

Ordnance Office,  
Hongkong, 9th January 1899.

SIR,—I have to forward the enclosed copies of correspondence relative to an increase in the reserves to be maintained in Hongkong for the four R.B.L. guns in possession of the Shanghai Volunteer Corps, and also in the annual allowance of ammunition, for your information and retention.

In preparing requisitions for practice ammunition in future, it would be well, I think, to demand shrapnel shell in lieu of segment, to use up the former.

With regard to the question of the annual supply of ball ammunition, I might add that no decision has yet been received from the War Office.

I am, Sir,

Your obedient servant,

J. L. WHEELER,

*Lieut.-Colonel,*

*Chief Ordnance Officer in China.*

The Secretary to the  
Municipal Council, Shanghai.

---

[Copy.]

*From G.O.C. China to Under-Secretary of State for War.*

---

Hongkong, 14th July 1898.

SIR,—Referring to War Office letters 57/H.K./ 6995 & 7074, dated respectively the 30th June 1886 and 18th October 1886, also 57/20/6371, dated 6th February 1892.

I have the honour to state that the O.C. the Shanghai Volunteer Corps is of opinion that the present annual allowance of Ammunition for the 4 R.B.L. 9 pr. guns in possession is inadequate.

The O.C.R.A. here concurs with the above and considers that the reserve to be maintained at Hongkong is also insufficient.

I therefore submit, for approval, a revised Statement of Reserves to be maintained at Hongkong for the 9 pr. R.B.L. guns of the Shanghai Volunteer Corps, and of practice ammunition for the same, to be issued free, annually, so long as the Corps continues efficient.

The Reserve has been calculated at 200 rounds per gun, as laid down in para. 79, Equipt. Regns. Part II, 1896, and in framing the proportions of the Ammunition, consideration has been given to the conditions under which the guns would probably be used, *i.e.* fighting in streets against a mob and demolishing buildings.

I have assumed that the Imperial Government will supplement the present practice ammunition free of charge.

I have the honour, etc.,

(Signed) W. BLACK,

*Major-General,*

*Commanding the Troops in China.*

---

[Copy.]

## ARMY ORDNANCE DEPARTMENT.

Revised Statement of Reserves to be maintained at Hongkong and of free issues for use of the Shanghai Volunteer Corps, for approval.

*Hongkong, 14th July 1898.*

DESCRIPTION.	Reserves to be maintained at Hongkong.	Free issues annually.
WOOL. S. CHARGE 21.		
Cartridges R.B.L. filled, silk cloth, 9 pr. 1½-lb. R.L.G. ...	800	200
WOOL. S. CHARGE 22.		
<i>Fuzes :—</i>		
Percussion, B.L. plain, No. 2 ... ..	224	50
Time : 15 seconds, with detonators, Mk. III, No. 43 ...	480	138
Tubes friction, copper, solid drawn, Mk. I ... ..	900	225
WOOL. S. CHARGE 24.		
Shells R.B.L. filled 9 pr. :—		
Common ... ..	224	50
Shrapnel (or Segment) ... ..	480	138
Shot, R.B.L. case 9 pr. ... ..	96	12

(Signed)      W. BLACK,  
*Major-General,*  
*Commanding the Troops in China.*

[ Copy. ]

War Office, London, S.W.,  
22nd November 1898.

SIR,—With reference to your letter 1092/34C. dated 14th July last, on the subject of ammunition for the Shanghai Volunteer Artillery.

I am directed by the Secretary of State for War to acquaint you that your proposals to increase the annual allowance for practice to 200 rounds (to be issued free as long as the Corps remains efficient), and to increase the reserves to be maintained at Hongkong, for the 9 pr. R.B.L. guns in possession of the Corps, to 800 rounds, are approved.

With regard to the proportions of Projectiles, etc., I am to observe that only 305 Shrapnel shell are available, and as the 9 pr. R.B.L. equipment is of an obsolete type, it is not proposed to incur the expense of special manufacture, and segment shell will, therefore, be issued in lieu of shrapnel to make up the number of rounds which are required to complete.

I am to add that orders have been given for the issue of the ammunition necessary to complete the new reserve, and to request that only common or segment shells be demanded in future.

I am, Sir,

Your obedient servant,  
(Signed) F. MARKHAM,  
*Inspector General of Ordnance.*

The General Officer  
Commanding the Troops in China,  
Hongkong.

---

## POLICE.

---

### CAPTAIN-SUPERINTENDENT'S REPORT.

---

Shanghai, 12th January 1899.

GENTLEMEN,

I have the honour to forward herewith the usual Annual Returns connected with the Police Department of the Municipal Council for the year ending 31st December 1898.

- I.—Return of Foreigners apprehended and charged by the Police.
- II.—Weekly Return of Prisoners confined in Municipal Gaols.
- III.—Monthly Return of Prisoners apprehended by the Police.
- IV.—Condition of Chinese Prisoners apprehended by the Police.
- V.—Return of Punishments on Chinese Prisoners apprehended by the Police.
- VI.—Comparative Table of Arrests, 1889-1898, inclusive.
- VII.—Return of Warrants executed, Summonses served, and Proclamations posted by the Police.
- VIII.—Foreigners, etc. arrested and not charged.
- IX.—Number of Larceny Reports, etc. made at the Police Stations.
- X.—Return showing the Strength, Enlistments and Casualties in the Force during the year.

#### FOREIGNERS.

---

The number of this branch of the Force on 31st December was 74, consisting of :—

- 1 Captain-Superintendent.
- 1 Deputy           ,,
- 1 Chief Inspector.
- 6 Inspectors.
- 1 Detective Inspector.

- 1 Storekeeper.
- 26 Sergeants.
- 33 Constables.
- 2 Detective Sergeants.
- 1 Detective Constable.
- 1 Intelligence Officer.

I beg to state I left London to take up the position of Captain-Superintendent of the Municipal Police on the 24th of December 1897, and commenced my duties here on the 12th of February. I wish to state that since that period I have been most loyally, cordially and ably supported by Captain Donald Mackenzie, Deputy Superintendent, Mr. Howard, Chief Inspector, the Inspectors and the rank and file of the Force.

I found Captain Mackenzie's knowledge of the details of the work and procedure here very valuable, especially as local details differ in an Asiatic Force very considerably from those of an European. His assistance, too, in maintaining discipline and generally looking after the welfare of the Sikh Force has been of marked usefulness, owing in a great degree to his intimate acquaintance with the language and habits of the race. Chief Inspector George Howard, whose duties are many and varied, and the other Inspectors have performed their work to my entire satisfaction. Sergeant Kelly was promoted to the rank of Inspector on the 17th of March 1898.

On the 1st April the Foreign Constables took up eight hours' duty instead of six on an increase of pay. The result has been satisfactory.

As heretofore, there has been considerable difficulty in obtaining suitable foreign recruits. A considerable majority of those who presented themselves for candidature had no experience whatever of either Police Duties or Discipline generally. They were often of indifferent character, and their previous calling had not been of such a nature as to render it easy to train them to efficiency in Police work.

I am glad to say that the action of the Council in allowing me to obtain some trained men from Home Forces has been so far most successful.

On 20th of September two Constables of the Royal Irish Constabulary, and on 1st of December 1898 five men of the Dublin



Metropolitan Police, landed here and began work at once. They have all good records from their own Forces both as regards character and duty, and will, I think, continue to maintain these records here. I beg to record my thanks to Sir Andrew Reed, K.C.B., Inspector-General, Royal Irish Constabulary, and John J. Jones, Esq., C.B., Chief Commissioner, Dublin Metropolitan Police, for their courtesy in procuring us their services, and for the pains they took in selecting good men. Another Royal Irish Constabulary man whom I personally knew well in Ireland was taken on as a Sergeant, having served in that capacity in a confidential position in his old Force.

The increase of pay which the Council proposes to sanction from the 1st of April next will, I trust, have a beneficial effect in every respect on the future of the Force, and especially as regards recruiting. The Council having sanctioned free tuition in the Chinese language to all Foreign Constables who wish to learn, as also a Bonus to those who pass a certain standard, I am glad to report that four Inspectors, seventeen Sergeants and thirty-two Constables, have volunteered to avail themselves of this privilege. It may be noted in this connection that for the future it will be compulsory on all candidates for the Detective Branch to pass certain standards in colloquial Chinese.

A scheme is being organised to ensure the most effective tuition, and, though too great results should not be expected, there is no doubt that after it has been in operation some time, a considerable benefit will accrue to the Police Force in general and the Detective Branch in particular.

#### INDIANS.

---

The Indians have performed their duties satisfactorily, and their shortcomings are but the want of thorough instruction, which, under the present circumstances, we are unable to give them to my satisfaction. During the whole of the year they have been put through regular drill and have gone through the annual shooting competition, the result of which was comparatively excellent.

The Troopers under Sergeant T. W. Spottiswoode have done excellent work, and in their own particular way are very valuable in assisting in the regulation of traffic.

On the 1st of April Sergeant Khaim Singh was promoted, at my recommendation, to be Jemadar, his education, industry, and qualifications generally, admirably fitting him for the post. It was essential to have a link of this sort between the Superior Officers and the rank and file of the Sikhs.

The schools are held as usual. One man has obtained a first-class certificate, five men a second, and five men a third.

The Sikhs are armed with Martini-Henry rifles, which, apart from the fact that they are very old, and the bayonets of different patterns, gives two distinct weapons to the Police Force taking two kinds of ammunition.

On a sudden emergency this might lead to confusion, whereas, on the other hand, the value of the Magazine would be invaluable under similar circumstances.

#### NATIVES.

---

The Native Sergeants and Constables have performed their duties satisfactorily.

The same remarks that I have made with regard to any shortcomings in the Sikh Force apply to the Chinese. This subject I am touching on more fully below.

#### DETECTIVES.

---

The Foreign Detectives have worked admirably under Inspector Armstrong, to whom I cannot accord too much credit, under exceptionally difficult circumstances.

The Native Detectives, by the authority of the Council, were increased in number on 1st of August 1898 from 25. to 35. As an experiment, by order of the Council, early in the year 11 men were taken on as detectives without having had any previous police training. I regret to say that this was not successful. Three resigned and two had to be discharged or allowed to resign for manifest incompetency. The others, with one exception, are hardly worth anything to us as detectives, but are to some extent valuable to the Intelligence Department.

Several of the men I took on as Probationary Detectives from the working police I have also sent back to their ordinary duty, owing to their not being fitted to the position. The others are doing well. On the whole, the Native Branch has worked satisfactorily.

#### APPOINTMENT OF INTELLIGENCE OFFICER.

---

On the 1st of May, Mr. R. W. Lambuth was appointed Intelligence Officer. His duties could not be formulated at once, but generally speaking he reports on any matters with regard to the Chinese that the Council may wish to be enlightened on, and he also assists the Detective Branch in every possible way, and I consider him a very valuable Officer whose utility will be increasing daily.

#### INSPECTIONS BY THE COUNCIL.

---

On the 15th of February 1898 there was an Inspection of all ranks of the Force by the Council, at which I was introduced officially to the Officers and men under my command.

On the 5th of April 1898 the new Council inspected the Force in the grounds of the British Consulate, which were lent for the purpose by the kind permission of the Consul-General. At both these parades the Council expressed themselves satisfied with the appearance of all ranks of the Force.

#### VISIT OF THE CAPTAIN-SUPERINTENDENT TO HONGKONG.

---

On the 9th of May I left Shanghai, by direction of the Council, to visit Hongkong and study the working of the Police Force at that place. I was received with great courtesy and kindness by the Hon. F. May, C.M.G., Captain-Superintendent, who gave me every facility to effect my purpose. I returned on the 21st of May, having gained some valuable knowledge, chiefly in internal details, by a comparison of the two Forces.

PROPOSAL FOR A DEPÔT.

---

In connection with remarks I made before in regard to shortcomings of the various branches of the Police Force—shortcomings which may not be remarked by the general public, but which are obvious to ourselves—I would strongly suggest that a *Depôt* be established for the purpose of giving all branches of the Force a thorough training in Police Duties, and the drill necessary for discipline and combined movement, previous to the men being sent on to actual duty. Without entering into details, the training the recruits get now is inadequate.

With a *Depôt* such as I propose, every individual recruit would be put through a theoretical course of police training; would be thoroughly taught such drill as is necessary; and would be under the strictest discipline from the beginning of his career, which would be invaluable to him later. A system of training of this description would generally tend to supply the Force with more reliable men than we get now under the ordinary recruiting process.

I have observed indications amongst the Chinese Police of a possible very considerable improvement, but this would depend a great deal on their initial training. A *Depôt* would be invaluable in this respect, more particularly taking into consideration the fact that the large majority of our Police are Chinese.

If the principle of a *Depôt* is adopted by the Council I am ready to formulate a scheme which would be suitable for the requirements of the Force.

Briefly speaking, I may state that the main points would be :—

- 1.—Inexpensive buildings for the accommodation of recruits of all branches.
- 2.—An area enclosed within those buildings suitable for purposes of drilling recruits and the rest of the Force, and capable of being used for Inspections.
- 3.—A small staff of Instructors commanded by a young and energetic Officer from some well-known Constabulary Force—the whole under my command.

4.—Schools for teaching Foreigners Chinese, and Indians and Natives English.

Of course this scheme would mean increased expense to the Municipality, but I venture to say that in a few years the value of the money spent would be thoroughly realized by the Community. I would ask the Council to consider this proposal in connection with the probable extension of the Settlement.

BUILDINGS.

---

The West Hongkew Station was opened on the 15th of November, and that part of the Settlement, which is increasing rapidly, is very much better policed than formerly. Inspector Bourke is in charge.

The proposed Station in the vicinity of Wayside is in the hands of the Engineer's Department.

Additions to the Indians' quarters were completed at Yangtsze-poo in June and Carter Road in October.

GAOLS.

---

I can thoroughly endorse all that Captain Mackenzie said on this subject in 1896 and 1897 in his Annual Reports for those years, and I am glad to report that the Council has been able to rent a certain portion of the British Consular Gaol to accommodate our long-sentenced Prisoners. Some necessary alterations are being effected, and arrangements made to organize the working of the Prison. The weekly average number of Prisoners confined in the Municipal Gaol cells during the year was 230.21, against 139.46 in 1897. The greatest number confined during one week was 384 (on that ending 23rd of December 1898), against 204 for the week ending 28th of October 1897.

The health of the convicts has not been good, Beri-beri having again broken out amongst them. Eleven died, and twelve were discharged on account of sickness.

The usual work has been carried on in Hongkew and Louza, and a system of disciplined labour will be organized for the new Gaol.

In connection with this subject it may be interesting to note that the Mixed Court Magistrate is shortly about to build a new Gaol for the accommodation of his prisoners—an improvement eminently desirable. It will, I believe, be under the control of a Foreign Warder.

#### WEI-HAI-WEI POLICE.

---

In July last the British Naval Authorities asked the Council for assistance in raising a small Police Force for service in the Island of Liu-kun-tau, Wei-hai-wei.

The services of Sergeant Danson and twelve Native Constables were granted, and the force was started at Wei-hai-wei under the personal supervision of Captain Mackenzie.

#### RIOTS IN CONNECTION WITH NINGPO JOSS-HOUSE.

---

In July last there was very serious rioting in the French Settlement.

To prevent the disturbance spreading into this Settlement we guarded the bridges of the Yang-king-pang with armed police as long as the necessity for doing so existed.

The Ningpo shops in this Settlement were all shut for some days and the washermen struck work. There was a small riot in Hongkew in connection with the latter occurrence but it was promptly dealt with and the ringleaders arrested and punished.

#### CRIME.

---

The number of persons arrested and charged at the Mixed Court during 1898 was 25,763, against 23,731 in 1897, being an increase of 2,032. There have been 155 arrests for cruelty to animals during the year, against 173 in 1897.

The number of cases reported at the different stations has increased by 1,262, being 2,087 for the year, against 825 in 1897.

The following offences of a more than usually serious nature have been recorded :—On the 14th February 1898, Mr. Lehmann, the Manager of the Soy Chee Cotton Mill, Yangtsze-poo Road, reported that the main engine and other machinery in the Mill had been wilfully and

maliciously damaged. As a result of police enquiries nine men were arrested (one of whom had been caught in the act).

It was a difficult case to unravel, as no one would give information. No motive could be given or assigned, yet there seemed to be some leader in the transaction, though it was found impossible to discover him. Three of the men arrested were convicted, two of them being sentenced each to one month's cangue, 500 blows and one year's imprisonment; the third to 400 blows and one month's cangue. The other six were discharged with a caution, after having been imprisoned on remand for a month. The damage which the Company sustained amounted to about Tls. 25,000, but since the conviction of these men no further attempt to damage the Mill has been made.

On the 25th of March 1898 a native named Yung Li-van, residing at No. 180, Honan Road, was charged at the Mixed Court with attempting to set fire to his shop with intent to defraud two Insurance Companies. He was convicted and fined Tls. 500, with the option of one year's imprisonment. The fine was paid.

On the night of the 4th April 1898, or morning of the 5th, a robbery of jewellery was committed in a jeweller's shop at No. 111, Honan Road. Jewellery to the amount of \$1,529 was stolen. On the 5th of May 1898, jewellery to the amount of \$400 was stolen from the same shop. The thief, who was well known to the police, was some months after arrested in Soochow and a great part of the jewellery recovered. He was sentenced to a year's imprisonment. The detectives under Inspector Armstrong worked up this case very well indeed.

On the 14th of November 1898 the dead body of a Chinaman, named Sze Chu-foh, who resided in Hongkew, was found in the Shantung Road. On his removal to hospital it was found that he had been stabbed in four places with some sharp instrument. An inquest was held the following day by the City Magistrate, and the verdict returned was Wilful Murder against some person or persons unknown. Three men who were said to be gamblers in the District of Li Hongkew were suspected. A warrant for their arrest was issued and the case is still in the hands of the Police.

On the 25th of August 1898 a woman named Li Shu Zee was brutally murdered at her residence, No. 70, Shang Foong Loong. An

amah and a servant girl had been introduced into her service a short time before, and about 10 p.m. a man named Liu Dah, the husband of the amah and father of the girl, knocked at the door and was admitted by his wife. He was accompanied by two other men. Li Shu Zee was almost immediately seized by Liu Dah, the other men assisting, and bound with ropes. An attempt was made to strangle her, but it failed. She was then held down and smothered with a cotton bed, her mouth and ears being filled with quicklime. The murderers then decamped, taking with them several thousand dollars' worth of property. The police on being informed took steps to intercept the persons concerned in the murder, and Liu Dah was arrested on his boat at Yangkong with his two accomplices. He was sent to the City for trial.

At 1 o'clock a.m. on 24th November 1898, a murderous assault was committed at No. 167, Kiangse Road on a female (British subject) by a Chinese, who entered the house by a back window. The man appears to have been known to the injured person, and robbery does not seem to have been his object, as some jewellery which was lying about was left untouched. The case is still under investigation.

#### MISCELLANEOUS.

---

Permits for the erection of 3,263 houses have been granted during the year, *viz.* 1,092 in the English Settlement and 2,171 in the Hongkew, against 3,401 in 1897.

The traffic on the Bubbling Well Road is as great as ever, and a good many cases of furious driving have occurred.

On the Bund and elsewhere I have made strenuous efforts to regulate the ricksha traffic by putting on special men with special instructions.

There have been innumerable arrests and prosecutions for toutting, obstruction, etc., and the result has been to a considerable degree satisfactory. The great difficulty in dealing with the Chinese coolies is that they are a fluctuating population, and new coolies are continually taking up the work in ignorance of the regulations. Arrangements have been made for the appointment of a Traffic Inspector. On his arrival I will suggest various improvements with regard to the regulation of traffic, the details of which it is not necessary to enter into at present.



The total cost of the Police Force for the year was Tls. 182,382.32.

Estimating the population at about 320,000, the cost per head for policing would be 57 cents.

The total number of persons of all nationalities who came under the notice of the Police for various offences during the year was 75,607, *viz.* 74,902 Natives and 705 Foreigners, against 69,979 in 1897. This does not include 3,233 wheel-barrow and hand-cart coolies whose licences were suspended for overloading, obstruction, etc.

During the year 4,224 dogs were captured. From the 15th August 1898 it was decided, on the Veterinary Surgeons' report, to send no more dogs to Soochow. All unclaimed dogs are now drowned—1,474 having been drowned during the year. Arrangements have been made for increased accommodation for captured dogs, and experiments are being tried in electrocution.

On the 2nd of August two Foreigners, a lady and a boy, were bitten by a mad dog, and on the 4th of August P. C. Richardson was likewise bitten by another dog supposed to be mad. All three were sent to the Pasteur Institute at Nagasaki for treatment, but I regret to say that the boy died whilst undergoing the treatment and the lady shortly after her return to Shanghai. P. C. Richardson recovered.

The total value of property stolen during the year was \$117,677.36. From this must be deducted false and doubtful reports, and reports of property stolen out of limits, amounting to \$3,913.35, leaving the actual amount stolen within the limits of the Settlement at \$113,764.01. The value of the total amount recovered by the Police was \$71,542.12.

I have the honour to be,

Gentlemen,

Your obedient servant,

PIERRE B. PATTISSON,

*Captain-Superintendent.*

J. WELCH, Esq.

E. A. HEWETT, Esq.

A. P. STOKES, Esq.

---

# I.—RETURN OF FOREIGNERS APPREHENDED AND CHARGED BY THE MUNICIPAL POLICE,

FROM 1ST JANUARY TO 31ST DECEMBER 1898.

MONTHS.	<i>Absentees.</i>	<i>Assault.</i>	<i>Burglary.</i>	<i>Cutting and Wounding.</i>	<i>Desertion.</i>	<i>Drunk and Incapable.</i>	<i>Drunk and Disorderly.</i>	<i>Felony.</i>	<i>Forgery.</i>	<i>Furious riding or driving.</i>	<i>Larceny.</i>	<i>Manslaughter.</i>	<i>Misdemeanor.</i>	<i>Murder.</i>	<i>Obtaining goods and [or] money under false pretences.</i>	<i>Refusal of duty.</i>	<i>Robbery.</i>	<i>Suicide.</i>	<i>Total.</i>
January ...	...	...	...	...	...	4	3	...	...	...	...	...	...	...	...	...	...	...	7
February ...	...	...	...	...	...	3	5	...	...	...	...	...	1	...	2	...	...	...	11
March ...	9	1	...	...	...	5	11	...	...	...	...	...	4	...	1	...	...	...	31
April ...	3	2	...	...	...	1	6	...	...	...	...	...	3	...	...	...	...	...	15
May ...	2	3	...	1	...	1	10	...	...	...	...	...	1	...	1	...	...	...	19
June ...	4	4	...	...	...	10	18	...	...	...	...	...	2	...	...	...	...	...	38
July ...	5	3	...	3	...	4	5	...	...	...	1	...	1	...	3	...	...	...	25
August ...	1	3	...	1	...	5	11	...	...	...	...	...	...	...	...	...	...	...	21
September ...	6	1	...	...	...	8	14	...	...	...	...	...	...	...	...	...	...	...	29
October ...	3	1	...	1	...	3	4	...	...	...	1	...	3	...	...	...	...	...	16
November ...	3	3	...	...	1	4	7	...	...	...	1	...	1	...	...	...	...	...	20
December ...	11	2	...	...	...	4	1	1	...	...	1	...	5	...	1	...	...	...	26
TOTAL...	47	23	...	6	1	52	95	1	...	...	4	...	21	...	8	...	...	...	258

Watch Matters.

## II.—WEEKLY RETURN OF PRISONERS CONFINED IN

DATE 1898.	FOREIGNERS.						CHINESE.						Total.
	Central.	Louza.	Hongken.	Carter Road.	Yangtsze-poo	W. Hongkew.	Central.	Louza.	Hongkew.	Carter Road.	Yangtsze-poo	W. Hongkew.	
January 7	1	...	1	...	...	...	48	39	76	...	7	...	172
" 14	2	...	1	...	...	...	45	37	87	...	4	...	176
" 21	2	...	...	...	...	...	41	44	75	...	1	...	163
" 28	3	...	1	...	...	...	37	32	76	...	...	...	149
February 4	4	...	2	...	...	...	36	39	83	...	1	...	165
" 11	3	...	1	...	...	...	43	45	83	...	2	...	177
" 18	4	...	2	...	...	...	47	48	80	...	2	...	183
" 25	1	...	...	...	...	...	41	45	88	...	2	...	177
March 4	5	...	...	...	...	...	39	40	89	...	...	...	173
" 11	5	...	...	...	...	...	33	34	79	...	...	...	151
" 18	1	...	2	...	...	...	34	41	77	...	...	...	155
" 25	1	...	2	...	...	...	52	45	93	...	2	...	195
April 1	5	...	...	...	...	...	36	42	103	1	2	...	189
" 8	2	...	...	...	...	...	27	40	93	2	2	...	166
" 15	...	...	...	...	...	...	38	51	90	1	...	...	180
" 22	4	...	1	...	...	...	43	41	69	7	1	...	166
" 29	2	...	...	...	...	...	47	47	73	3	1	...	173
May 6	4	...	...	...	...	...	45	36	74	5	...	...	164
" 13	1	...	...	...	...	...	40	40	80	3	5	...	169
" 20	...	...	...	...	...	...	47	41	91	...	3	...	182
" 27	1	...	1	...	...	...	46	42	99	2	1	...	192
June 3	...	...	1	...	...	...	65	65	93	...	1	...	225
" 10	1	...	...	...	...	...	71	54	109	...	1	...	236
" 17	3	...	...	...	...	...	62	60	119	4	1	...	249
" 24	2	...	...	1	...	...	67	46	102	1	...	...	219
Carried forward	57	...	15	1	...	...	1,130	1,094	2,181	29	39	...	4,546

Weekly average

## MUNICIPAL GAOLS DURING 1898.

DATE 1898.	FOREIGNERS.						CHINESE.						Total.
	Central.	Louza.	Hongkew.	Carter Road.	Yangtze-poo	W. Hongkew.	Central.	Louza.	Hongkew.	Carter Road.	Yangtze-poo	W. Hongkew.	
<i>Brought forward</i>	57	...	15	1	...	...	1,130	1,094	2,181	29	39	...	4,546
July 1	4	...	1	...	...	...	52	51	107	10	1	...	226
" 8	4	...	2	...	...	...	71	44	95	1	...	...	217
" 15	1	...	...	...	...	...	61	41	113	7	...	...	223
" 22	3	...	1	1	...	...	94	48	120	6	...	...	273
" 29	4	...	1	...	...	...	82	67	117	2	1	...	274
August 5	2	...	...	...	...	...	88	78	115	6	...	...	289
" 12	2	...	4	...	...	...	76	80	113	5	...	...	280
" 19	5	...	1	...	...	...	87	75	124	3	...	...	295
" 6	4	...	1	...	...	...	95	52	111	6	1	...	270
September 2	7	...	4	...	...	...	98	61	98	6	1	...	275
" 9	...	...	...	...	...	...	93	54	108	6	1	...	262
" 16	1	...	4	...	...	...	73	51	93	3	...	...	225
" 23	5	...	...	...	...	...	65	54	93	1	...	...	218
" 30	1	...	...	...	...	...	77	39	89	4	...	...	210
October 7	3	...	2	...	...	...	67	41	99	3	...	...	215
" 14	4	...	...	...	...	...	78	59	102	8	...	...	251
" 21	4	...	1	...	...	...	92	62	96	5	...	...	260
" 28	1	...	...	...	...	...	137	59	97	1	1	...	296
November 4	3	...	1	...	...	...	91	73	97	2	...	...	267
" 11	4	...	1	...	...	...	101	83	100	2	2	...	293
" 18	4	...	2	2	...	...	115	72	102	6	2	4	309
" 25	7	...	1	...	...	...	116	61	80	1	...	1	267
December 2	7	...	1	...	...	...	122	65	101	1	...	5	302
" 9	1	...	4	...	...	...	115	76	107	...	...	9	312
" 16	4	...	6	...	...	...	114	106	108	9	1	11	359
" 23	4	...	1	...	...	...	148	96	118	5	...	12	384
" 30	4	...	...	...	...	...	138	107	112	1	...	11	373
Total	150	...	54	4	...	...	3,676	2,849	4,996	139	50	53	11,971

## III.—MONTHLY RETURN OF PRISONERS

FROM 1ST JANUARY TO

MONTHS.	Arson.	Assault.	Burglary and [or] house-breaking.	Coining.	Cruelty to animals.	Cutting and wounding.	Drunkenness.	Embezzlement.	Fighting and [or] creating disturbance.	Forgery.	Fraud.	Furious riding or driving.	Gambling.	Kidnapping.	Larceny from person.	Larceny from dwellings, &c.	Larceny by servants.	Lottery.
January .....	2	38	13	...	8	1	2	...	45	1	8	25	17	3	8	227	5	...
February .....	...	43	6	...	7	...	8	2	35	1	4	36	11	2	...	177	...	1
March .....	1	49	9	...	9	3	10	...	80	1	4	26	10	...	7	188	6	1
April .....	...	44	10	...	17	...	1	...	66	3	5	30	62	4	1	203	1	7
May .....	...	69	10	...	25	2	1	...	49	...	10	28	22	10	2	200	...	5
June .....	...	74	7	...	12	2	3	...	84	1	4	33	28	3	2	276	...	3
July .....	...	81	18	...	14	4	1	1	67	...	...	40	48	2	7	239	1	1
August .....	1	67	9	...	18	5	3	1	88	1	6	39	40	6	3	355	...	5
September ...	2	60	6	...	9	2	3	2	78	...	4	16	19	3	1	298	1	1
October .....	1	61	7	...	15	2	6	1	64	...	5	27	35	4	2	318	...	2
November ...	...	45	11	...	14	2	2	...	85	...	7	28	34	7	3	289	1	2
December ...	1	47	13	...	7	1	11	...	58	...	8	17	32	3	1	306	...	6
TOTAL ...	8	678	119	...	155	24	51	7	799	8	65	345	358	47	37	3077	14	34

APPREHENDED BY THE MUNICIPAL POLICE,

31st DECEMBER 1898.

TOTALS.																			
Grand																			Omitting vagrancy and Jin-ric- shas.
Manslaughter.	Misdemeanor.	Murder.	Nuisance, including firing crackers and burning joss-paper.	Obstruction.	Obtaining goods and [or] money under false pretences.	Piracy.	Property, receiving stolen.	Possession, unlawful.	Returning from deportation.	Rape.	Riotous and [or] destroying property.	Robbery.	Squeezing.	Suicide, attempted.	Uttering.	Vagrancy.	Jin-ric-sha coolies, dirty or ply- ing for hire with dirty vehicles.		
...	46	...	1,734	27	3	...	14	4	7	...	1	...	22	2	...	1,919	2,333	6,515	2,263
...	97	...	1,717	30	1	...	8	1	4	...	9	...	7	2	...	1,668	2,558	6,435	2,209
...	81	...	1,358	44	5	...	2	9	10	...	5	...	2	2	2	2,053	2,519	6,495	1,923
...	99	...	2,222	15	1	...	8	11	8	...	...	...	14	3	1	2,099	2,537	7,472	2,836
...	102	...	1,478	15	5	...	14	10	7	...	9	...	8	...	10	2,477	2,686	7,254	2,091
...	124	1	1,226	34	4	...	10	18	9	...	5	...	24	3	1	1,395	2,764	6,150	1,991
...	121	...	912	60	...	...	13	10	23	...	23	...	22	3	2	1,451	2,703	5,854	1,700
...	179	...	963	302	11	...	15	18	14	...	2	...	30	6	1	1,566	2,461	6,215	2,188
...	109	...	878	321	1	...	17	18	9	...	3	...	18	2	2	1,344	1,548	4,775	1,883
...	111	...	1,024	209	3	...	13	12	11	...	3	...	28	...	2	1,386	2,135	5,487	1,966
...	62	3	1,058	335	...	...	7	14	10	...	2	...	29	4	5	1,380	2,015	5,454	2,059
...	71	...	1,304	670	6	...	16	19	17	...	1	...	36	2	...	2,109	2,033	6,796	2,654
...	1202	4	15874	2062	40	...	134	147	116	...	63	...	240	29	26	20847	28,292	74,902	25,763

IV.—CONDITION OF CHINESE PRISONERS APPREHENDED BY THE MUNICIPAL POLICE,  
FROM 1ST JANUARY TO 31ST DECEMBER 1898.

46

Annual Report of the Shanghai Municipal Council, 1898.

OFFENCES.	Neither read nor write.		Read only, or read and write imperfectly.		Read and write well.		Known.		Unknown.		Opium-smokers.		10 and under 20 years.		20 and under 30 years.		30 and under 40 years.		40 years and upwards.		Total.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Arson .....	2	...	...	...	6	...	...	...	8	...	2	...	1	...	...	...	5	...	2	...	8
Assault .....	562	35	3	...	76	2	43	...	598	37	37	2	51	7	351	12	175	8	64	10	678
Burglary <sup>and</sup> or House-breaking...	112	...	1	...	6	...	51	...	68	...	19	...	8	...	75	...	28	...	8	...	119
Cruelty to Animals .....	148	...	2	...	5	...	3	...	152	...	2	...	11	...	82	...	39	...	23	...	155
Cutting and Wounding .....	21	...	...	...	3	...	5	...	19	...	1	...	1	...	12	...	9	...	2	...	24
Drunkenness .....	31	...	...	...	20	...	...	...	51	...	2	...	4	...	30	...	10	...	7	...	51
Embezzlement.....	...	...	...	...	7	...	...	...	7	...	...	...	...	...	3	...	4	...	...	...	7
Fighting <sup>and</sup> or creating disturbance..	655	56	1	...	87	...	25	...	718	56	44	1	30	2	439	23	192	13	82	18	799
Forgery .....	3	...	...	...	5	...	...	...	8	...	2	...	...	...	6	...	1	...	1	...	8
Fraud .....	28	3	3	...	31	...	2	...	60	3	8	...	6	1	29	...	16	2	11	...	65
Furious riding or driving .....	315	...	...	...	30	...	9	...	336	...	3	...	30	...	254	...	48	...	13	...	345
Gambling .....	336	1	8	...	13	...	77	...	280	1	47	...	114	1	136	...	67	...	40	...	358
Kidnapping .....	31	15	...	...	1	...	1	...	31	15	3	...	2	...	13	1	8	3	9	11	47

Larceny from person .....	37	...	...	...	...	7	...	30	...	9	...	5	...	21	...	11	...	...	...	37	
„ „ dwellings, etc...	2,686	135	14	...	242	...	554	6	2,388	129	718	3	312	14	1522	27	781	36	327	58	3,077
„ by servants .....	13	...	...	...	1	...	1	...	13	...	5	...	3	...	7	...	2	...	2	...	14
Loitering .....	29	...	...	...	5	...	10	...	24	...	5	...	2	...	20	...	10	...	2	...	34
Misdemeanor .....	855	198	13	...	136	...	48	1	956	197	74	16	121	51	430	76	288	29	165	42	1,202
Murder .....	2	2	...	...	...	...	...	...	2	2	1	...	1	...	...	...	1	1	...	1	4
Nuisance, including firingcrack- ers <sup>and</sup> or burning joss-paper	14684	5	...	...	1185	...	...	...	15869	5	263	...	901	...	6780	2	4904	2	3284	1	15874
Obstruction .....	2,013	...	1	...	48	...	16	...	2046	...	31	...	88	...	1221	...	586	...	167	...	2062
Obtaining goods <sup>and</sup> under false pretences.....	18	1	...	...	21	...	3	...	36	1	6	...	1	...	10	1	13	...	15	...	40
Property, receiving stolen .....	70	13	1	...	50	...	4	...	117	13	17	...	2	1	39	3	35	3	45	6	134
Possession, unlawful .....	131	2	1	...	13	...	17	...	128	2	34	...	12	...	73	...	43	...	17	2	147
Returning from deportation ...	112	...	...	...	4	...	116	...	...	...	24	...	8	...	71	...	28	...	9	...	116
Riotous <sup>and</sup> or destroying property	58	...	...	...	5	...	4	...	59	...	5	...	8	...	26	...	22	...	7	...	63
Squeezing.....	218	2	4	...	15	...	35	...	203	2	17	1	23	...	152	1	47	...	16	1	240
Suicide, attempted .....	19	3	...	...	7	...	3	...	23	3	1	1	15	2	...	...	8	...	3	1	29
Uttering .....	17	1	1	...	7	...	7	...	18	1	7	...	3	1	11	...	7	...	4	...	26
Total...	23206	472	53	...	2030	2	1041	7	24248	467	1387	23	1747	79	11828	148	7388	97	4326	150	25763



V.—RETURN OF PUNISHMENTS INFLICTED ON CHINESE PRISONERS APPREHENDED BY THE MUNICIPAL POLICE,  
FROM 1ST JANUARY TO 31ST DECEMBER 1898.

OFFENCES.	BLOWS.			CANGUE.			IMPRISONMENT.				BLOWS.		CAN- GUE.	IMPRISON- MENT.	Fined or to give Security	Referred to City or other autho-rities.	Deported	Remanded	Cautioned	Discharged	Sent to Refuge	Total	
	Under 50	50 and under 100	Upwards of 100	Not exceed. 7 days	7 days not over 1 month	Upwards of 1 month	Not exceed. 7 days	Over 7 days not ex- ced. 1 month	Over 1 mth. not ex- ced. 6 months	Upwards of 6 months	Not ex- ced. 100	Upds. of 100	Not ex. 1 mth.	Upds. 1 mth.									Not ex- ceed. 6 months
Arson .....	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	5	...	...	...	1	...	a8	
Assault .....	32	103	76	19	5	...	27	14	5	6	13	83	56	3	44	1	187	31	12	3	11	b678	
Burglary <sup>and</sup> or House-breaking.	4	26	18	...	...	...	3	3	...	1	7	46	3	...	48	6	4	4	33	...	2	...	c119
Coining.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Cruelty to Animals.....	...	11	2	...	1	...	1	...	...	...	...	1	1	...	...	133	1	...	...	2	4	d165	
Cutting and Wounding .....	...	1	1	1	2	...	...	2	3	...	...	6	1	...	2	3	5	...	1	...	4	...	e24
Drunkenness .....	3	3	3	1	...	...	4	...	...	...	1	2	3	...	...	32	...	...	...	1	6	f51	
Embezzlement .....	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	2	...	3	...	...	...	...	g7
Fighting <sup>and</sup> or creating dis- turbance .....	41	82	40	4	1	...	42	24	...	...	4	28	14	...	17	1	334	37	10	...	23	153	h799
Forgery.....	...	...	...	...	...	...	...	...	2	...	...	1	...	...	1	...	1	3	...	...	2	...	i8
Fraud .....	2	1	3	...	1	...	2	2	3	...	2	8	4	...	8	...	10	9	2	1	2	19	j65
Furious riding <sup>and</sup> or driving ....	1	9	4	12	2	...	3	1	...	...	...	...	...	...	...	308	...	...	2	2	8	...	k345
Gambling .....	16	47	66	24	6	...	11	11	7	...	24	76	33	...	67	...	59	1	5	...	1	9	l358
Kidnapping .....	1	4	1	...	...	...	...	2	...	...	...	...	...	...	...	4	28	...	...	...	7	...	47
Larceny from person .....	4	9	7	...	...	...	2	2	...	...	1	6	5	1	2	1	...	2	4	...	...	2	m37
"    " dwellings, etc. ....	233	868	658	54	11	1	158	64	22	2	153	415	130	16	430	2	148	78	219	3	5	188	n3077
"    " by servants .....	...	3	2	...	...	...	2	2	...	...	...	2	...	...	2	...	2	2	...	...	...	...	o14
Loitering .....	3	10	13	2	1	...	3	...	1	...	2	3	1	...	4	...	...	...	9	...	...	2	p34

Manslaughter .....	26	52	28	12	6	...	64	22	6	6	22	18	22	...	20	4	766	53	28	5	29	73	7	1202
Misdemeanor .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	4
Murder .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nuisance (inclg. firing crackers and burning joss-paper) ..	2	2	...	4	...	...	12	1	...	...	1	4	4	...	1	...	16845	1	...	1	1	1	1	15874
Obstruction .....	3	3	7	3	2	...	3	...	...	2	1	10	1	...	7	3	2019	...	...	...	6	5	...	2062
Obtaining goods and money } under false pretences .....	...	2	4	1	3	1	...	2	3	...	...	6	3	...	5	...	8	10	...	1	5	...	...	140
Property, receiving stolen .....	1	6	2	...	3	...	2	8	2	...	3	1	...	...	4	...	82	3	1	2	...	23	...	134
Piracy .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Possession (unlawful) .....	7	33	24	...	...	...	11	4	1	...	1	16	4	...	13	...	15	7	9	...	...	26	...	147
Rape .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Returning from deportation ...	1	40	21	...	1	...	...	3	11	...	5	22	1	...	25	1	2	2	103	...	...	1	2	116
Riotous and destroying property	2	3	4	5	...	...	2	17	3	2	...	4	2	...	...	2	9	6	...	...	...	8	...	63
Robbery .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Squeezing .....	8	25	24	3	1	...	1	10	4	1	8	83	28	4	59	2	19	9	7	1	1	42	...	240
Suicide (attempted) .....	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	4	4	2	3	7	6	229
Uttering .....	...	...	...	1	...	...	...	1	...	...	1	10	1	...	7	3	8	...	2	...	...	5	...	26
Total.....	390	1344	998	147	46	2	353	196	77	21	249	851	317	24	766	29	20009	298	449	21	92	710	27	25763

*a* 1 receiving additional punishments.  
*b* 65       "       "  
*c* 34       "       "  
*d* 1       "       "  
*e* 2       "       "  
*f* 5       "       "  
*g* 1       "       "  
*h* 24       "       "  
*i* 1       "       "

*j* 3 receiving additional punishments.  
*k* 7       "       "  
*l* 6       "       "  
*m* 3       "       "  
*n* 219     "       "  
*o* 1       "       "  
*p* 5       "       "  
*q* 24       "       "  
*r* 1       "       "

*s* 2 receiving additional punishments.  
*t* 7       "       "  
*u* 5       "       "  
*v* 7       "       "  
*w* 98       "       "  
*x* 2       "       "  
*y* 8       "       "  
*z* 1       "       "  
*aa* 2       "       "

Total 635

1889-1898, inclusive.

OFFENCES.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.
Arson ... ..	2	3	3	5	9	13	14	6	2	8
Assault ... ..	373	331	328	475	521	492	524	488	476	678
Burglary <sup>and</sup> <sub>or</sub> house-breaking...	155	95	97	83	97	78	96	89	106	119
Coining ... ..	...	...	4	1	...	...	...	...	...	...
Cruelty to Animals ... ..	65	26	15	36	36	60	25	34	173	155
Cutting and wounding ... ..	15	13	14	32	42	25	20	20	38	24
Drunkenness ... ..	54	42	44	41	12	53	40	42	44	51
Embezzlement ... ..	11	9	4	1	4	7	6	10	13	7
Fighting <sup>and</sup> <sub>or</sub> creating disturbance	363	331	270	455	498	577	532	532	568	799
Firing crackers <sup>and</sup> <sub>or</sub> burning joss-paper ... ..	...	...	...	...	...	...	...	...	...	...
Forgery ... ..	18	5	2	...	3	8	2	5	14	8
Fraud ... ..	26	16	24	27	35	76	79	49	35	65
Furious riding or driving ... ..	50	111	88	157	158	167	234	355	288	345
Gambling ... ..	140	108	128	191	449	575	389	539	165	358
Kidnapping ... ..	15	21	36	33	31	27	29	31	36	47
Larceny from person ... ..	14	20	25	52	103	75	51	16	32	37
"    " dwellings, etc. ....	1,384	1,461	1,368	1,293	1,279	1,517	1,555	2,060	2,587	3,077
"    " by servants ... ..	38	32	17	52	49	23	6	12	21	14
Loitering ... ..	31	34	25	7	23	32	69	35	22	34
Misdemeanor ... ..	286	384	401	424	364	559	1,117	833	959	1,202
Manslaughter ... ..	1	...	...	...	3	1	1	6	...	...
Murder ... ..	1	...	...	5	1	3	5	28	...	4
Nuisance (including firing crackers and burning joss- paper) ... ..	1,505	2,470	2,188	1,863	2,821	4,965	8,781	18,110	17,235	15,874
Obstruction ... ..	285	91	91	125	206	235	178	509	222	2,062
Obtaining goods <sup>and</sup> <sub>or</sub> money under false pretences ... ..	29	36	37	36	69	19	10	47	69	40
Property, receiving stolen ... ..	85	79	110	90	123	156	139	166	125	134
Possession, unlawful ... ..	66	87	125	104	104	149	136	211	101	147
Returning from deportation ... ..	39	59	64	61	79	97	107	167	160	116
Riotous <sup>and</sup> <sub>or</sub> destroying property	8	27	17	30	46	17	48	39	32	63
Robbery ... ..	3	1	4	3	10	4	4	3	...	...
Rape ... ..	...	...	...	...	1	...	...	...	2	...
Squeezing ... ..	74	85	49	117	109	90	66	173	179	240
Suicide, attempted ... ..	13	7	6	11	11	4	6	7	8	29
Uttering ... ..	18	15	16	12	19	19	21	31	19	26
Piracy ... ..	...	...	...	1	...	...	...	...	...	...
Totals ...	5,177	5,999	5,600	5,823	7,315	10,123	14,290	24,653	23,731	25,763

VII.—RETURN OF WARRANTS EXECUTED, SUMMONSES SERVED, AND PROCLAMATIONS POSTED BY THE MUNICIPAL POLICE DURING THE YEAR 1898.

MONTHS.	WARRANTS EXECUTED.							SUMMONSES SERVED.							PROCLAMATIONS POSTED.						
	Central.	Louza.	Hongkew.	Carter Road.	Yangtze-poo.	West Hongkew.	Total.	Central.	Louza.	Hongkew.	Carter Road.	Yangtze-poo.	West Hongkew.	Total.	Central.	Louza.	Hongkew.	Carter Road.	Yangtze-poo.	West Hongkew.	Total.
January ... ..	3	11	1	...	...	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
February ... ..	4	7	3	...	...	...	14	1	2	...	...	1	...	4	...	2	...	...	...	...	2
March ... ..	8	15	4	...	...	...	27	3	10	2	...	1	...	16	...	1	...	...	...	...	1
April ... ..	5	13	1	...	...	...	19	2	5	2	...	...	...	9	...	1	1	...	...	...	2
May ... ..	8	14	4	...	...	...	26	2	5	2	...	...	...	9	...	1	...	...	...	...	1
June ... ..	5	16	4	...	...	...	25	4	4	7	...	2	...	17	...	...	...	...	...	...	...
July ... ..	9	9	1	...	...	...	19	...	4	2	...	1	...	7	...	...	...	...	...	...	...
August ... ..	17	25	10	1	...	...	53	3	8	2	1	2	...	16	...	...	...	...	...	...	...
September ... ..	20	23	12	1	...	...	56	2	10	5	1	...	...	18	...	2	2	...	...	...	4
October ... ..	11	24	6	1	...	...	42	2	5	8	...	1	...	16	...	2	...	...	2	...	4
November ... ..	11	23	12	1	...	...	47	4	5	2	...	2	1	14	30	1	2	...	1	50	84
December ... ..	12	17	7	...	...	2	38	6	5	1	...	...	...	12	6	3	...	1	5	...	15
TOTAL ... ..	113	197	65	4	...	2	381	29	63	33	2	10	1	138	36	13	5	...	4	55	113

## VIII.—FOREIGNERS, ETC. ETC. ARRESTED AND

DURING THE

MONTHS.	ABSENTEES.		ASSAULT.		DRUNK AND DIS-ORDERLY.		DRUNK AND INCAPABLE.				BEGGARS, RAFFICKERS AND HAWKERS.									
STATIONS.	Central.	Total.	Central.	Hongkew.	Total.	Central.	Louza.	Hongkew.	Total.	Central.	Louza.	Hongkew.	Carter Road.	Total.	Central.	Louza.	Hongkew.	Carter Road.	Yangtze-poo.	Total.
January ..	10	10	...	...	...	...	5	5	8	2	18	...	28	556	844	481	...	38	1919	
February .	2	2	...	...	...	...	9	9	10	...	7	...	17	679	603	348	...	38	1668	
March .....	3	3	...	...	...	1	...	9	10	10	...	10	...	20	770	793	483	...	7	2053
April .....	...	...	...	...	...	...	4	4	4	1	20	1	26	717	718	607	26	31	2099	
May .....	...	...	...	...	...	...	2	2	1	...	14	...	15	678	619	1115	33	32	2477	
June .....	...	...	...	...	...	1	1	5	7	5	3	22	...	30	456	522	356	25	36	1395
July .....	3	3	...	...	...	1	...	5	6	2	2	20	...	24	449	578	314	86	24	1451
August ...	...	...	3	...	3	...	4	4	3	...	21	...	24	562	661	248	72	23	1566	
September	...	...	...	...	...	2	...	12	14	4	...	18	1	23	340	480	423	79	22	1344
October...	4	4	1	1	2	...	6	6	10	1	22	...	33	364	673	272	70	7	1386	
November	6	6	...	2	2	4	...	7	11	12	...	28	...	40	279	695	350	48	8	1380
December	24	24	...	...	...	...	4	4	8	...	17	1	26	687	905	377	127	13	2109	
Total	52	52	4	3	7	9	17	82	77	9	217	3	306	6537	8091	5374	566	279	20847	

NOT CHARGED BY THE MUNICIPAL POLICE

YEAR 1898.

JINRICKSHA LICENSES CONFISCATED OR SUSPENDED.							WHEEL-BARROW AND HAND-CART LICENSES CONFISCATED OR SUSPENDED.							DOGS CAPTURED.			
Central.	Louza.	Hongkew.	Carter Road.	Yangtze-poo.	West Hongkew.	Total.	Central.	Louza.	Hongkew.	Carter Road.	Yangtze-poo.	West Hongkew.	Total.	Central.	Louza.	Hongkew.	Total.
655	793	764	...	121	...	2333	119	101	4	...	2	...	226	53	87	90	230
705	790	905	...	158	...	2558	195	101	1	...	6	...	303	45	116	87	248
941	912	575	...	91	...	2519	199	82	7	...	1	...	287	56	105	109	270
690	782	882	15	168	...	2537	204	68	7	4	4	...	287	53	98	103	254
655	777	1039	10	205	...	2686	160	132	...	10	7	...	309	52	90	130	272
713	1119	836	7	89	...	2764	62	41	6	40	...	...	149	54	82	146	282
562	841	1239	6	55	...	2703	87	84	2	16	...	...	189	64	76	141	281
492	789	1108	11	61	...	2161	79	67	5	9	1	...	161	82	143	389	614
543	619	313	31	42	...	1548	150	97	...	81	21	...	349	90	197	296	583
687	610	740	50	48	...	2135	203	150	5	88	35	...	481	95	175	226	496
536	615	832	9	23	...	2015	110	59	4	14	13	...	200	97	135	149	381
702	545	682	12	39	53	2033	106	102	5	17	7	55	292	48	133	132	313
7881	9192	9915	151	1100	53	28292	1672	1084	46	279	97	55	3233	789	1437	1998	4224

IX.—NUMBER OF LARCENY REPORTS, ETC. MADE AT THE POLICE STATIONS DURING THE YEAR 1898.

MONTHS.	BURGLARY.	HOUSEBREAKING.	LARCENY.							SHOPLIFTING.	FRAUD.	EMBEZZLEMENT.	ROBBERY.	TOTAL.	LOST.			TOTAL.
			Doors & Win- dows open.	Simple Larceny.	Servants Sus- pected.	From Person.	From Opium & Tea Shops.	By Ricksha & Barrow Coolies.	Out of Limits.						Dogs.	Articles.	Persons and Children.	
January .....	23	6	46	13	16	...	2	...	3	1	...	...	...	110	2	2	1	5
February .....	11	11	32	12	11	...	7	1	5	1	1	...	...	92	...	2	...	2
March .....	26	11	62	20	9	1	3	2	6	...	...	...	...	140	1	3	4	8
April .....	28	21	64	26	17	1	2	...	1	3	2	...	...	165	1	6	2	9
May .....	29	28	66	31	19	1	1	1	1	...	...	...	...	177	3	2	...	5
June .....	31	16	89	23	17	2	3	1	5	...	...	...	1	187	7	1	2	10
July .....	12	13	92	29	29	2	4	...	2	1	...	...	...	184	5	1	1	7
August .....	19	11	116	32	12	4	10	...	2	...	...	...	...	206	4	4	3	11
September .....	29	24	85	38	30	2	8	1	1	2	...	...	1	221	3	...	1	4
October.....	43	17	102	45	13	3	20	...	3	5	1	...	...	252	2	4	5	11
November .....	20	28	64	29	10	1	13	2	...	1	2	...	...	171	2	2	3	7
December.....	17	20	66	46	18	1	7	2	2	1	1	...	1	182	8	6	9	23
TOTAL ...	288	206	884	344	201	18	80	10	31	15	7	...	3	2,087	38	33	31	102

**X.—RETURN SHOWING THE STRENGTH, ENLISTMENTS AND CASUALTIES IN THE  
POLICE FORCE DURING 1898.**

	Strength of the Force on 31st Dec. 1898.	Enlistments.	Deaths.	Resignation through Sickness.	Resignation through Expiry of Term of Service or otherwise.	Dismissal.	Total Number of Casualties.
Europeans ...	71	42	...	...	12	12	24
Indians ... ..	132	67	...	3	11	10	24
Chinese ... ..	486	212	9	11	58	87	165
Total ...	* 689	321	9	14	81	109	213

\* This does not include :—

- 1 Captain-Superintendent
- 1 Deputy Superintendent
- 1 Intelligence Officer
- 3 Clerks and Interpreters
- 1 Writer

Grand Total 696.



### POLICING THE BUBBLING WELL AND ADJACENT ROADS.

---

The contributors to the fund for maintaining the Police on the Bubbling Well and adjacent roads are gradually increasing in number. The subscriptions for the year amount to Tls. 3,633.48, against Tls. 3,368.91 in 1897.

The number of subscribers and the amounts paid each quarter are as follows:—

1st Quarter 146 subscribers \$1,209.50, against 132 subscribers \$1,116.50 last year.									
2nd	"	144	"	1,215.50,	"	133	"	1,117.50	"
3rd	"	144	"	1,218.50,	"	136	"	1,156.50	"
4th	"	151	"	1,254.50,	"	141	"	1,201.50	"
		<u>535</u>	"	<u>\$4,897.00</u>	"	<u>542</u>	"	<u>\$4,592.00</u>	"

being an increase of 43 subscribers and \$305.

The following return gives the numbers of the houses in which the residents refuse to contribute towards the Police Fund:—

Bubbling Well Road: Nos. 1B, 1c, 1H, 1I, 1L, 10, 15, 18, 19,  
22, 23, 24, 31, 43, 63, 65, 74, 82 and 89.

Mohawk Road: No. 10.

Love Lane: Nos. 3A and 4.

Carter Road: No. 14.

Markham Road: Nos. 6A, 8, 9, 9A and 11.

The total expenditure on the Carter Road Station during 1898, exclusive of cost of new buildings, amounted to Tls. 8,678.75. The estimate for 1899 shows a further large increase, the force having necessarily been augmented, and the Budget appropriation stands at Tls. 12,830. Under these circumstances a circular notice to residents has been issued, detailing the facts and expressing the Council's hope that subscriptions on a more liberal scale will be forthcoming in future.

---

### JINRICSHA TICKETS.

---

The attention of the Council was drawn in July to the extortionate charges levied by compradores and other purveyors of ricsha tickets upon the coolies, which it was ascertained often amounted to 25%/. With a view to remedying this a supply of consecutively numbered tickets has been ordered from London, and it is considered that the imposition of a charge of one cash per ticket will cover the expenses connected with the supervision, etc. of sale.

---

### LOCAL LOTTERIES.

---

From the following despatches it will be observed that the Council has been at considerable pains in endeavouring to suppress the traffic in lottery tickets during the year. In view of the very qualified success of these endeavours, and as the proclamation alluded to in the Senior Consul's last communication has not yet been received, it has been decided to recommend to a Special Meeting of Ratepayers the inclusion of the word "lotteries" in Byelaw XXXIV, in order that Municipal control may be exercised over the sale of lottery tickets and all persons concerned therein.

Council Room,  
Shanghai, February 28th, 1898.

SIR,—The Captain-Superintendent of Police has reported to the Council that a lottery has again been started locally under the name of the "Loteria de Juarez." I enclose a specimen ticket, from which you will observe that Messrs. Neubourg & Co. are the agents, and in this connection I would refer to the fact that as lately as November last this firm received notice from you, in consequence of the Council's representations in a similar case, that no German subjects were allowed to start lotteries in the Settlement. I have accordingly the honour to request that you may take steps to prevent Messrs. Neubourg & Co. from persisting in the agency of these illicit enterprises.

With regard to the sale and purchase by Chinese of tickets in unauthorised lotteries—i.e. others than *bonâ fide* State Lotteries—the Captain-Superintendent recently requested the Mixed Court Magistrate to issue a proclamation on the

subject. This however has not been done, and I would therefore suggest that a representation should be addressed to H.E. the Taotai.

I have the honour to be,

Sir,

Your obedient servant,

A. R. BURKILL,

*Chairman.*

O. STUEBEL, Esq.,

Consul-General for Germany

and Senior Consul,

Shanghai.

---

Kaiserl. Deutsches General-Konsulat,

Shanghai, 23rd March 1898.

SIR,—I have the honour to acknowledge the receipt of Mr. Burkill's letter of February 28th last drawing my attention to the fact that a lottery has been started locally under the name of the "Loteria de Juarez," of which Messrs. Neubourg & Co. are the agents, and requesting that I should take steps to prevent the said German firm from entering on illicit enterprises.

The evidence adduced by Mr. Neubourg, at my request, being to the effect that the "Loteria de Juarez" is not a local enterprise started by him but a lottery admitted and, as it appears, supervised by the Government of Mexico and, therefore, not materially differing from other Government Lotteries, the sale of whose tickets is allowed to take place in the Foreign Settlement, there is no provision in the German Law allowing me to forbid Mr. Neubourg the sale of its tickets. A printed prospectus of the "Loteria de Juarez," handed to me by Mr. Neubourg, is herewith enclosed.

With reference to the last passage in Mr. Burkill's letter, I may ask that you will kindly inform me of the names of the lotteries the sale and purchase of whose tickets by Chinese the Municipal Police wishes to be prohibited by a proclamation of the Mixed Court Magistrate. I will then submit the subject to my colleagues.

I have the honour to be,

Sir,

Your obedient servant,

O. STUEBEL,

*Consul-General for Germany*

*and Senior Consul.*

J. S. FEARON, Esq.,

Chairman, Municipal Council

---

Council Room,  
Shanghai, November 10th, 1898.

SIR,—I have the honour to refer you to certain correspondence which passed between your predecessor Dr. Stuebel and the Council in regard to the "Loteria de Juarez" and the local sale of tickets in that Lottery by a German Agency, *viz.* Messrs. Neubourg & Co. In Dr. Stuebel's letter of 23rd March last it is pointed out that this lottery is not a local enterprise but one which is properly authorised and supervised by the Mexican Government, and further that there exists no provision in German law which would allow of Messrs. Neubourg & Co. being forbidden to sell tickets.

Since the date of the above correspondence, the operations of the "Loteria de Juarez" under Messrs. Neubourg & Co.'s agency have greatly increased; there are no less than 28 branch shops for the sale of tickets; and the Council feels therefore in duty bound to use every effort to suppress this traffic. A representation on the subject is being made to the Chinese Authorities with a view to preventing the sale of lottery tickets of all kinds by natives, and the Council would again ask the intervention of your Consulate to restrain German subjects from being concerned in enterprises of this nature.

To this end I have the honour to refer you to the correspondence which took place between the Council of 1894 and the Consular Body as published in the Municipal Report for that year (folio 250/254) and the decision then arrived at by the Consular representatives. According to clause 2 of the agreement then made, "La vente à Shanghai des billets d'une loterie autorisée par un Gouvernement est interdite aux nationaux d'un pays quelconque où cette loterie est prohibée." Under these conditions, the Council ventures to hope that you will be able to exercise such authority over the German agents of the "Loteria de Juarez" as will lead to the discontinuance of their undertaking. By this means the Council's efforts towards the general suppression of public lotteries will be greatly forwarded.

I have the honour to be,  
Sir,  
Your obedient servant,  
JOSEPH WELCH,  
*Chairman.*

Dr. W. KNAPPE,  
Consul-General for Germany,  
Shanghai.

---

Kaiserl. Deutsches General-Konsulat,  
Shanghai, November 14th, 1898.

SIR,—I have the honour to acknowledge the receipt of your letter of the 10th inst. referring to the correspondence *re* Loteria de Juarez. You refer further to the correspondence between the Council of 1894 and the Consular Body and the decision then arrived at, that no subject of a Country shall be allowed to sell tickets of a lottery which is prohibited in that Country. According to German law lotteries are not generally forbidden, and I am therefore unable to join in your efforts towards the suppression of public lotteries.

I have the honour to be,  
Sir,

Your obedient servant,  
Dr. W. KNAPPE,  
*Consul-General.*

JOSEPH WELCH, Esq.,  
Chairman, Municipal Council.

---

Council Room,  
Shanghai, October 13th, 1898.

SIR,—The Council's attention has been drawn to the operations of a firm or Company doing business under the name of the "Loan and Investment Company" whose Head Office is at No. 8, Szechuen Road, and after investigation as to the nature of the enterprise in question, it is the opinion of the Council that its methods and results are those of a lottery pure and simple. As it is understood that (although no names are given in the Co.'s prospectus) the manager of this Company is an American citizen, I have the honour to request, on behalf of the Council, that you will exercise your good offices and authority to put a stop to proceedings which are opposed both to the laws of the United States and to those of China, and which are calculated to prejudice the welfare of the community.

I have the honour to be,  
Sir,

Your obedient servant,  
JOSEPH WELCH,  
*Chairman.*

JOHN GOODNOW, Esq.,  
U.S. Consul-General, Shanghai.

---

Consulate-General of the United States of America,  
Shanghai, October 13th, 1898.

SIR,—I have asked the President of the Loan and Investment Company, of 8, Szechuen Road, to appear at this Consulate-General at 2 p.m. Monday, October 17th, to answer to the charges made in your letter of this date. I would be glad to have the Council represented at that time.

Lotteries are against American law and the spirit of American institutions. So far as I have the power to prevent, no American lottery shall be added to the number of those who now sell lottery tickets in Shanghai.

I have the honour to be,

Sir,

Your obedient servant,

JOHN GOODNOW,

*Consul-General, U.S.A.,*

*Shanghai.*

JOSEPH WELCH, Esq.,

Chairman, Municipal Council, Shanghai.

---

Council Room,  
Shanghai, 15th November 1898.

SIR,—I have the honour to bring forward for the attention of the Consular Body the very considerable augmentation in the traffic in lottery tickets which has followed the cessation of the operations of the Manila lottery. The Council is using its best endeavours to accomplish the suppression of this traffic in so far as it is carried on by foreigners, and now desires that a request be made to the Taotai asking that, as a supplementary measure, a proclamation may be issued forbidding natives to sell any kind of lottery tickets in the Settlements. The two most prominent lotteries now operating are the "Loteria de Juarez" and the "Santa Casa de Misericordia de Macao," and it is hoped that the terms of the agreement made by the Consular Body in 1894 will if carried out be sufficient to insure their discontinuance. If this be achieved, and if such a proclamation as I suggest be given sufficient publicity, Police activity will be the only requisite for the entire suppression of local lotteries.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,

*Chairman.*

J. M. T. VALDEZ, Esq.,

Consul-General for Portugal

and Senior Consul.

---

H.M.F.M.'s Consulate-General,  
Shanghai, 17th November 1898.

SIR,—I have the honour to acknowledge receipt of your letter dated 15th instant, by which you call the attention of the Consular Body to the very considerable augmentation in the traffic in lottery tickets and express the desire that a request be made to the Taotai, asking that a proclamation be issued forbidding natives to sell any kind of lottery tickets in the Settlements.

I submitted your letter to my colleagues, and with their approval, referring to a despatch on the same subject which I addressed to his predecessor on the 24th August 1894, I wrote to Taotai Tsai and requested him to order the issue of a proclamation similar to those published in 1885 and 1894, forbidding Chinese subjects to sell in the Settlements tickets of lotteries not officially recognised by the Imperial Chinese Government, even if the sales should take place in nominally foreign establishments.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,  
*Consul-General for Portugal*  
*and Senior Consul.*

J. WELCH, Esq.,  
Chairman of the Municipal Council  
for the Foreign Settlement,  
Shanghai.

---

#### THE MIXED COURT AND PROCEDURE FOR ARRESTS.

---

The abuses emanating from the administration of the Mixed Court and the frequent violation by the native authorities of the recognised local procedure for arrests within Settlement limits have formed the subject of voluminous correspondence between the Council and the Consular Body during the year. The following despatches serve to show the objects which the Council are endeavouring to attain :—

Council Room,  
Shanghai, 1st March 1898.

SIR,—I have the honour to enclose copy of a recent report addressed by the Inspector at the Louza Station to the Captain-Superintendent of Police, from which you will perceive that native runners of the Mixed Court and City Magistrate's Yamên have acted in direct contravention of local regulations and of the understanding which has always existed with regard to the execution of arrests in the Foreign Settlement; you will further observe that the Deputy-Magistrate, sitting with the U.S. Consulate Assessor, asserted the right of his Court's runners to dispense with the co-operation of the Municipal Police in making such arrests. As the principle involved has been frequently violated of late, and as the Council has every reason to believe that the gravest abuses are now emanating from the Native Administration of the Mixed Court, I have the honour to request that you may lay the matter before your colleagues at the earliest opportunity, and that a strong representation be addressed to H.E. the Taotai on the subject.

In the first of the cases referred to by Inspector Wilson the offending runners were dismissed with a caution; in the second, the four runners concerned were charged before the Mixed Court Magistrate on the 25th ultimo, the Council's Legal Adviser being present, and the case was remanded to allow of the facts being communicated to yourself.

In this connection I have the honour to refer to the correspondence which passed between the Council and the Senior Consul in June 1885 and in November 1889, and particularly to draw your attention to the letter addressed under the former date to the Taotai by Dr. Lühsen and to the Taotai's reply. I would add that in November 1880 definite instructions were issued by the Taotai "that no arrests should be made in the Settlement without a warrant duly stamped and signed by the Senior Consul, and that no arrests must be made without the assistance of the Municipal Police." From that date, however, until the present, frequent violations of this regulation have occurred on the part of the Mixed Court and City Magistrates, and the frequency with which representations have had to be made on the subject constitutes a striking feature in every Municipal report of past years. The necessity for a clear recognition of the position and for the prevention of the recurrence of such proceedings as those which form the subject of the present communication, is obvious; for should the Chinese authorities be permitted to deal as they may think fit with native residents, it is evident that the maintenance of law and order within the Settlement must become impossible, since the control would inevitably pass from the hands of the Municipal Council. The principle involved is one of vital importance, affecting the very foundations of the good government, vested interests, and prosperity of the Settlement, and, regarding it in this light, the Council trusts that the Consular Body may take energetic and immediate steps to prevent any repetition of the present or similar cases.



In this connection, the Council would further draw your attention to the fact that the present administration of the Mixed Court is, by common report, notoriously corrupt. The runners attached to that Court, amongst whom are a large number of unsalaried underlings, undoubtedly levy blackmail on the less reputable classes of native residents; frequent complaints are also made to the police of cases where these men extort large sums under threats of summonses, and anonymous complaints have often been received; it is, however, almost impossible to obtain direct evidence in such cases, the victims preferring to pay what is asked rather than to run the risk of the heavier penalties which would follow from their appearing as witnesses. A statement most frequently made to the police, which appears to be thoroughly borne out by circumstantial evidence, is to the effect that:—

1.—Prisoners convicted at the Mixed Court and sentenced to imprisonment are not unfrequently released by the Magistrate before the expiry of their sentences, without the sanction of the Assessor.

2.—Cases are of frequent occurrence wherein persons for whose arrest no warrant has been issued are directed by runners to attend the Court at the Magistrate's request; upon their doing so they are detained in custody for indefinite periods and mulcted in large sums.

Cases of both the above abuses have frequently been brought to the notice of your predecessors (*e.g. vide* letters to Dr. Lührsén, 11th August 1884 and 23rd October 1885), but their prevention cannot be secured without persistent vigilance on the part of the Police and the constant assistance of the Consular Assessors. It is evident that the payment of Municipal taxation should secure native residents from arbitrary and excessive abuse of authority by those native officials who, by consent of the Treaty Power Consuls, function within the Settlement for the more convenient administration of Justice, and that this is the view held by the Foreign Representatives at Peking may be inferred from the wording of Article 68 of the proposed revised Land Regulations, as drawn up by the Minister in 1882, to which I have the honour to refer you.

The Council, in view of the above facts, would beg to request that an official inspection of the Mixed Court Gaol be held at an early date—without more preliminary notice than is absolutely required—with the object of ascertaining whether the number and names of the persons detained agree with the certified record of arrests made and “Cases tried” which under Article IX of the Provisional Rules for the Mixed Court the magistrate is bound to keep and hold in readiness for inspection. In the event of such inspection proving unsatisfactory the Council would request that a representation be addressed to the Taotai without delay, with a view to carrying out the further terms of Article IX which provide that “Should the Sub-prefect be inefficient or notorious he will be denounced and removed from office, another being appointed in his place.”

Placing in all confidence the matter in the hands of yourself and of your colleagues,

I have the honour to be,  
Sir,  
Your obedient servant,  
A. R. BURKILL,  
*Chairman.*

O. STUEBEL, Esq.,  
Consul-General for Germany  
and Senior Consul,  
Shanghai.

---

Kaiserl. Deutsches General-Konsulat,  
Shanghai, 17th March 1898.

SIR,—I have the honour to acknowledge the receipt of Mr. Burkill's letter of the 1st inst. referring to an incident that occurred some time ago when two runners of the Mixed Court and the City Magistrate arrested a Chinaman in the Settlement without the co-operation of the Municipal Police.

The letter was considered by the Consular Body in a recent meeting, when the views held by the Council on the subject, *viz.* "that no arrests should be made in the Settlement without a warrant duly stamped and signed by the Senior Consul, and that no arrests must be made without the assistance of the Municipal Police," were fully endorsed by my colleagues and myself. I have, in consequence, informed thereof the Taotai, requesting that he should instruct the Mixed Court Magistrate accordingly.

With regard to the suggestions made in Mr. Burkill's letter with a view to remedy certain irregularities observed in the management of the business of the Mixed Court, I am authorised by my colleagues to say that the Consular Body is investigating the matter.

I have the honour to be,  
Sir,  
Your obedient servant,  
O. STUEBEL,  
*Consul-General for Germany  
and Senior Consul.*

J. S. FEARON, Esq.,  
Chairman,  
Municipal Council.

Certain further correspondence passed in regard to a specific case in which the Council had cause to protest against the action of the Magistrate, and on the 21st May the following letter was received from Mr. H. P. WILKINSON, in which attention was drawn to the extremely unsatisfactory condition obtaining in the Mixed Court Prison.

Shanghai, 21st May 1898.

SIR,—I have the honour to draw the attention of the Council through you to the following facts communicated to me in regard to the state of the Mixed Court Prisons; situate on the Nanking Road and within the Boundaries of the Foreign Settlements.

In the Prison to the right of the entrance male prisoners, defendants, and often plaintiffs and witnesses in Chinese civil cases are detained.

As to the space:—The Prison is always overcrowded; at times, such as Chinese New Year, it is so full that it is impossible for all to sit down, let alone lie down.

Food:—For two days after entry no food is supplied by the authorities.

If after two days the detained are obviously cashless and friendless—that is, unsqueezable—one bowl of rice and one small plate of salt cabbage a day are given them.

Water:—No arrangements whatever for supplying water or tea are made by the authorities without payment first made.

Sanitation:—The sole arrangement for the relief of nature made is one wooden tub placed in a corner of the prison. To this prisoners who are suspected of having and concealing any means are fastened.

In any case the latest arrivals are placed near this tub and have the duty of cleaning it. In this room deaths are frequent.

The Prison to the left of the entrance is reserved for female plaintiffs, defendants, and witnesses in Chinese civil cases, and female prisoners in Police cases.

This prison is kept on exactly similar principles to those described above.

In this room the detained are occasionally beaten by those in charge in order to extort money.

The Prison to the left in the yard of the Yamén is reserved for prisoners in police cases.

Those detained in this room being presumably without funds are supplied with one bowl of rice and one small plate of salt cabbage twice a day.

As to Sanitation and the supplying of water the remarks above made as to the civil prisons apply.

The Room above the criminal prison is reserved for defendants and witnesses in suits brought by Foreigners.

Here no food is supplied, as these prisoners are in a position more or less to supply their own wants.

Sanitation :—There is one commode for the use of the whole room.

The cages in front of the Yamên are under the control of the Tipao of the District.

In these offenders who live within his district are placed.

No food is supplied, and the length of detention is usually from 9 to 10 hours.

For these prisoners no sanitary arrangements whatever are made.

Deaths, the result of this exposure, are not infrequent.

I have the honour to be,

Sir,

Your obedient servant,

H. PARKES WILKINSON.

The Secretary,

Shanghai Municipal Council.

---

As a result of this communication, the Council directed the Captain-Superintendent of Police to accompany Mr. WILKINSON in a visit of inspection to the Mixed Court Prisons and report on the condition thereof. Mr. PATTISSON's Report—duly published in the Council's Minutes—brought to light a deplorable state of affairs, the treatment of prisoners being of the most demoralising and insanitary nature. A copy of this document was forwarded officially for the information of the Senior Consul, and assurances of the Consular Body's support in effecting the necessary reforms were subsequently conveyed to the Council. The opinion was, however, expressed that any reform in the constitution and procedure of the Court must be arranged at Peking, and that since the existing constitution was drawn up originally by H.M. Minister, the latter's co-operation and sanction were essential for obtaining its amendment. In June a Committee of the Local Bar undertook to consider the question and a Special Committee was appointed by the Council to act with its members. The joint labours of these Committees resulted in the framing of the following proposed amended constitution for the Mixed Court, copies of which have been forwarded to those Consulates which are represented by Assessors with a request that the matter be referred for the favourable consideration of the Ministers

concerned. The text of the covering despatch addressed to H.M. Consul-General is also given.

The Council trusts that the efforts made to bring about a more satisfactory administration of justice in the Settlement may bear good results in the near future. In the meanwhile it is satisfactory to note that the native authorities are taking steps to provide a better class of accommodation for prisoners, the erection of a new Mixed Court building being arranged for. In regard to the procedure for arrests it is also satisfactory to observe that, as the result of representations made to the Senior Consul, the principle has been definitely recognised that all native residents summoned or arrested in the Settlement must appear before the Mixed Court as a court of first instance, and that neither the principals nor the witnesses in any suit may be sent into the City except after a proper preliminary enquiry at that Court. Instructions to this effect have been given by the Taotai to the Magistrate, and the Municipal Police have been directed to arrest any runners from the City Magistrate's Yamên who may be found performing their functions in the Settlement without special authority.

Council Room,  
Shanghai, 3rd October 1898.

SIR,—It may be within your knowledge that, during the present year, certain representations have been made by the Council to the Senior Consul on the subject of the administration of the Mixed Court, and more especially in regard to the treatment of prisoners therein, and, in this connection, I have the honour to refer you to the full correspondence on the subject which was published with the Council's minutes on the 2nd of June last. In making these representations it was the object of the Council to bring about several much-needed reforms in the general administration of justice in the Settlement, and to suppress certain long standing abuses connected with the arresting and punishment of natives by the local Chinese Authorities within Settlement limits. It was, however, unofficially intimated to the Council by the late Senior Consul that nothing could be done locally or by the Consular Body to obtain any revision or amendment of the procedure now obtaining at the Mixed Court; that, since the present constitution of the Court—*N.B.*, an experimental measure—was instituted by the British Government, it must rest with the same Government to take the necessary steps for its revision.

It was therefore resolved by the Council to appoint a special committee which should formulate suggestions for a revised constitution of the Court, and to invite the co-operation of the Local Bar, by whom a special committee was also

nominated, to assist in this work. As the result of the joint labours of the Council and the Local Bar the enclosed draft of proposed new rules for the Mixed Court has been drawn up, following the lines of the constitution established by H.M. Minister in 1869, and embodying those new conditions which experience and the best interests of the community appear to render necessary.

The Council desires to draw attention to the fact that in the Chefoo Convention of 1876 it is clearly stated that the British Government had already at that early date recognised the inadequate and unsatisfactory nature of the existing constitution of the Mixed Court and had then in contemplation the issue of a revised code of Rules.

It is unnecessary for the Council, and outside of its province, to refer to the numerous occasions upon which the attention of H.M. Government has of late years been drawn to the injury which the continuance of the present system has inflicted, and must continue to inflict, upon British interests at Shanghai, interests which are admittedly of a preponderant nature.

It therefore remains only for the Council, in submitting the enclosed document, to express the hope that the measures therein proposed may receive your valuable support and that you will recommend the proposed new code of Rules to the favourable consideration of H.M. Minister at Peking at the earliest convenient opportunity.

In conclusion I may observe that copies of the enclosed draft are being forwarded to the Consuls-General for Germany and the United States for their information, with a statement of the Council's action and a request for co-operation in the matter.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,

*Chairman.*

BYRON BRENAN, Esq., C.M.G.,

H.M. Acting Consul-General.

---

#### PROPOSED REVISION OF THE CONSTITUTION OF THE SHANGHAI MIXED COURT.

---

Art. 1.—A Chinese Official, having the rank of Sub-Prefect, at least, shall be appointed as Magistrate of the Mixed Court and shall reside in the Foreign Settlements North of the Yang-king-pang, and shall have jurisdiction in commercial suits and in civil and criminal cases, generally, within the limits of such Foreign Settlements.

He shall decide equitably and impartially all civil and commercial suits between Chinese subjects resident within the Settlements and also between Chinese and Foreign residents in cases where Chinese are defendants.

He shall be authorised to examine Chinese judicially and to sentence them to fines, imprisonment, the cangue, flogging and other minor punishments. All examination of witnesses or prisoners and all other judicial proceedings shall be conducted in open Court. Warrants for the arrest of persons within the Foreign Settlements must bear the seal of the Magistrate and be countersigned by a Foreign Consul or his Deputy. Summonses shall bear the seal of the Magistrate. All warrants and summonses shall be executed by the Municipal Authorities within the Foreign Settlements.

Art. 2.—All persons arrested on any charge shall be brought before the Magistrate within three days of their arrest.

Art. 3.—Where a Foreigner is concerned, or where Foreign interests are involved in a cause to be tried, a Consul or his Deputy shall sit with the Magistrate at the trial. When they do not agree the case shall be referred to a higher Court consisting of the Shanghai Taotai and the Treaty Consul or Consuls concerned. When the Foreigner has no Consul, the Magistrate sitting with a foreign (Consular) Assessor shall try the case, submitting the decision for the consideration of the Taotai. In such case should either party be dissatisfied with the Magistrate's decision, application for a new trial can be made to the Taotai or to the Senior Consul.

Art. 4.—In Mixed cases where the Chinese defendant is of rank equal to or higher than the Magistrate, the case shall be heard by the Taotai of Shanghai (or an Official of sufficiently high rank deputed *by him*) sitting with the Plaintiff's Consul.

Art. 5.—In cases where Chinese subjects are charged with and found guilty by the Mixed Court of grave offences punishable by death, where by Chinese law a local officer with an independent seal would send up the case for revision by the Provincial Judge, who would submit it to the high authorities to be by them referred to His Majesty or the Board of Punishments,—it will remain for the *District* Magistrate of Shanghai to take action.

Art. 6.—Inquests, when needed, shall be held independently of the Magistrate by the *District* Magistrate of Shanghai, but the Mixed Court shall have the right to send a Foreign or Chinese representative to be present at inquests.

Art. 7.—A Chinese criminal escaping to the Foreign Settlements shall only be arrested (without warrant) either by the employés of the Mixed Court or by the Municipal Police.

In cases of Chinese criminals or defendants in commercial or civil cases escaping from the Foreign Settlements, the Chinese Authorities of the place wherein such person is found, or is known to be, shall—upon proper requisition under the seal of the Mixed Court—arrest and deliver him up to the Mixed Court employés who may be sent beyond the Settlements with such requisition.

Art. 8.—Suits between natives and foreigners shall be decided equitably and impartially, and in accordance with Treaties. The Treaty provision is to be followed in cases where the foreigner has a Consul.

Art. 9.—Foreign offenders not represented by any Consul shall be tried and sentenced by the Magistrate and the Assessor then sitting, the finding being submitted for the approval of the Court of Consuls, it being understood that such offender can only be sentenced to punishments of such nature as are inflicted in European Countries. Where the offenders are Chinese the Magistrate shall determine the proper legal punishment.

Art. 10.—Subject to the control of the Treaty Consuls, the Registry Office of the Court, the arrangement of hearings and general management, including the summoning, arresting and imprisoning under instructions from the Court, of Chinese within the Settlement, shall be vested in the Municipal Council of Shanghai, who shall provide a suitable gaol or gaols and keep the necessary staff, consisting of a Registrar, translators, linguists, gaolers, writers and other servants. The Council shall pay an allowance of Tls.....per month to the Magistrate, who shall not reside within the precincts of the Mixed Court and whose personal attendants in Court shall not exceed 3 in number. The duties of the Magistrate shall be purely judicial.

Art. 11.—All prisoners sentenced by the Court shall, in the case of imprisonment, be confined in the Mixed Court Gaol or in such other gaols as the Municipal Council may from time to time provide.

Art. 12.—Execution of all judgments in civil cases shall, within the limits of the Settlement, be carried out against the property and persons of the parties against whom judgment shall have been given by the Municipal Authorities. Where the parties against whom judgment is given are found to be, or remove themselves and/or their property to outside the limits of the Foreign Settlements, the Chinese Authorities shall back any warrant, order, or other instrument issued by the Mixed Court and shall use their best endeavours to bring such parties and/or their property into the Settlements or otherwise to have the judgment satisfied.

Art. 13.—The Magistrate shall have the right to be present, either in person or by a Deputy, at the infliction of any corporal punishment under any sentence passed by him.

Art. 14.—An *ad valorem* scale of Fees, as per Schedule hereto attached, shall be charged, and all fees collected and fines imposed by the Mixed Court shall be used for the purpose of defraying the expenses of the Court. Any deficit therein shall be borne by the Municipality.

Art. 15.—A separate account shall be kept by the Municipal Council of all expenses in connection with the Mixed Court and the Gaol or Gaols, and this account shall be open to the inspection of the Shanghai Taotai and the Treaty Consuls.

Art. 16.—The Registrar of the Mixed Court shall keep a daily record, certified to by the Magistrate, of arrests made and cases tried, giving the names of the parties arrested and recording the decision in each case. This record, as



well as the interior of the Mixed Court and the Gaol or Gaols, shall always be open to the inspection of the Consuls, the Taotai of Shanghai, and the Magistrate.

Art. 17.—The Magistrate shall be appointed for a period of 3 years and be eligible for a further term of office. In case of temporary sickness, or temporary absence from other causes, the Shanghai Taotai shall appoint a Deputy in his place. Should the Magistrate or his Deputy be inefficient or notorious, he shall be denounced and removed from office, another being appointed in his place.

Art. 18.—The land and buildings comprising the Mixed Court house and gaol shall be deemed to be leased in perpetuity at a nominal rental of one Tael per annum to the Municipal Council for the purpose of a Court and Gaol and shall be employed solely for such purposes, and the Municipal Council may rebuild the premises.

Art. 19.—If found desirable any of these rules or the Schedule may be amended or altered or any additional rules framed by the Treaty Consuls and the Taotai.

JOSEPH WELCH,  
*Chairman,*  
*Municipal Council.*

H. P. WILKINSON,  
*Chairman,*  
*Local Bar Committee.*

---

## SCHEDULE.

---

### FEES OF COURT.

---

#### *Fees in Civil Suits.*

---

2½ % on the subject matter claimed or involved up to	\$ 1,000
In addition 1 % on the next      ...      ...      ...	19,000
And in addition ½ % on the amount above      ...      ...	20,000

In case the Defendant pays without a hearing or the case is settled out of Court half of the fees paid to be returned to the Complainant.

50 Dollar Cents to be the minimum and \$500 to be the maximum fee charged in any civil case.

In cases where the Plaintiff obtains judgment against the Defendant it shall be in the discretion of the Court to order that any such Court fees paid by the Plaintiff may be recovered from the Defendant.

---

In criminal prosecutions a fixed fee of \$1 to be *charged* to all private prosecutors.

The Registrar of the Court to have the power in such cases, civil or criminal, as he may consider necessary to allow parties to bring proceedings in the Court free of charge—a note to be made by the Registrar in a book to be kept for that purpose of his reasons.

The keep of persons imprisoned on civil process shall be paid by or recoverable from the Plaintiffs in such cases, but in any such case it shall be in the discretion of the Court to order that any such expenses may be recovered by the Plaintiff from the Defendant.

---

### GAOL ACCOMMODATION.

---

Outbreaks of beri-beri have been among the many indications that the accommodation provided in the Police Stations for native prisoners has become quite inadequate, and the Council has, with this in view, arranged for a lease of H.M. Consular Prison. The Council's first suggestion to lease the whole building at a nominal rental and provide therein accommodation for the prisoners sentenced in the Consular Courts was not found feasible, and the terms of the lease about to be drafted are given in the accompanying correspondence:—

Council Room,  
Shanghai, 29th September 1898.

SIR,—With general reference to the correspondence which has passed in regard to the proposed use of H.M.'s Consular Gaol by the Council and in reply to your letter of 27th inst., I am now directed to submit to you a formal offer on behalf of the Council to lease the portion of the gaol land and buildings described in that letter and in the plan forwarded therewith, and to request that you may be good enough to forward the same to the proper authorities and to ask for a telegraphic reply in the matter. The Council is willing to pay an annual rental of Tls. 3,600, occupancy to be terminable at a year's notice on either side, and to make the necessary structural additions, etc., as detailed in your letter under reply.

Should you be of opinion that the Board of Works would be willing to make the lease for 3 years in the first instance, in consideration of the cost of structural additions, etc., the Council would ask your good offices to obtain such condi-

tions. The necessity for increased prison accommodation being urgent, it is hoped that an early and favourable reply may be received.

I have the honour to be,

Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

W. COWAN, Esq.,

Surveyor,

H.M.'s Office of Works.

---

H.B.M. Office of Works,

Shanghai, 21st November 1898.

SIR,—With general reference to the matter of the proposed lease to the Municipal Council of part of H.B.M. Consular Gaol at Shanghai, I am directed to inform the Council that Her Majesty's Commissioners of Works, etc. approve, without prejudice to Government rights, of such proposed lease, upon the terms already arranged.

An agreement in this sense will be drawn up, and submitted to the Council in due course.

I have the honour to be,

Sir,

Your obedient servant,

CECIL SIMPSON,

*Assistant Surveyor.*

J. O. P. BLAND, Esq.,

Secretary,

Municipal Council, Shanghai.

---

Council Room,

Shanghai, 24th November 1898.

SIR,—I have the honour to acknowledge the receipt of your letter of the 21st instant, from which the Council notes with pleasure that the proposed lease of part of H.M. Consular Gaol has been approved by H.M. Commissioners of Works, etc., and, in reference thereto, the Council trusts that the necessary agreement may be drawn up with the least possible delay.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

The Surveyor,

H.M. Office of Works,

Shanghai.

---

STRAY DOGS AND THE SUPPRESSION OF RABIES.

---

The capture of stray dogs, amounting to between 100 and 200 per week, has proceeded throughout the year. In August, at the recommendation of the Veterinary Surgeon, the practice of sending the dogs to Soochow was discontinued, and they are now, if unclaimed, destroyed as heretofore. The following letter was written to the charitable guild at whose request the arrangement to send the animals to the Refuge at Soochow was made, and all requests to resume the practice, in view of Dr. KEYLOCK's account of the state in which the Refuge is kept and the number of dogs which returned to the Settlement after having been shipped to Soochow, have been refused.

Council Room,  
Shanghai, 11th August 1898.

SIR,—I am directed to refer you to certain correspondence in 1894 which passed between Mr. Tong Mow Chee, of your Institution, and the Council, on the subject of the fate of stray dogs captured in the Settlement.

The outcome of the negotiations then held was an arrangement that such dogs should be conveyed to the Chinese Refuge in Soochow instead of being, as theretofore, destroyed, subject to six conditions set forth in the Council's letter dated 5th April 1894.

I quote for your information clause 5, and am directed to say that inasmuch as the Municipal Veterinary Surgeon has visited the Refuge and reported very unfavourably on the condition of the dogs there, the arrangement must cease to be in force forthwith.

5.—“The Council are to have the right to send an officer to inspect the “refuges at any time they choose, and if they find that these are not properly “conducted they will discontinue to hand over the dogs and will revert to the “present system.”

I am, Sir,  
Your obedient servant,  
J. O. P. BLAND,  
*Secretary.*

The Manager,  
Tin Tze Tang Charitable Institution,  
Shanghai.

---

The following Notifications will shew the further steps taken during the year to lessen the number of dogs in the Settlement and to check the spread of rabies, which disease became prevalent during the summer months :—

The attention of the Public is hereby drawn to the presence of rabies in Shanghai, and dog owners are requested either to have their dogs led or to provide muzzles for them. This notice is prefatory to the issue of a compulsory order which will come into force on the 1st of January next.

By order,

W. E. LEVESON,  
*Assistant Secretary.*

Council Room,  
Shanghai, 16th September 1898.

---

Notice is hereby given that the muzzling order referred to in Notification No. 1294 will come into force on 1st January next. Dogs found thereafter without muzzles or unled will be taken to the Police Stations.

By order,

J. O. P. BLAND,  
*Secretary.*

Council Room,  
Shanghai, 19th December 1898.

---

In addition to the above the Council will propose at a special Ratepayers' meeting that the word "dogs" be added to the list of things which may be licensed under Byelaw XXXIV, which amendment if passed and sanctioned will make the supervision of all dogs practicable.

---

#### NATIVE OFFICIAL PROCESSIONS.

---

The arrangement ratified in December 1897 under which the Taotai agreed to give intimation to the Council of all processions or bands of native soldiers passing through the Settlement has been, during the year, repeatedly ignored. In October a despatch was therefore addressed to the Senior Consul in which it was suggested that for the future a pass should be obtained from the Police by the commanders of all such bodies of men, and that failing production of such pass permission to

proceed through the Settlement should be refused. The Taotai's reply to this proposal was duly forwarded to the Council, from which it was noted that due compliance with the above request would in future be made.

---

DEAD BODIES FOUND IN THE STREETS.

---

Council Room,  
Shanghai, 18th August 1898.

SIR,—The attention of the Council has been drawn to the very large and noticeable increase which has been recorded by the police during the present year in the number of dead bodies of natives found in the streets of the Settlements. The number for the past four years, referring to the first six months in each, are respectively as follows :—

1895	...	...	...	...	...	...	115
1896	...	...	...	...	...	...	104
1897	...	...	...	...	...	...	107
1898	...	...	...	...	...	...	207

and the Council would ask that the attention of the Taotai be called to this deplorable state of affairs.

The bodies are as a general rule those of beggars and paupers whose death may be directly attributed to starvation, and there can exist but little doubt that the largely increased rate of mortality amongst these unfortunates is due to the withdrawal by the last Mixed Court Magistrate of that financial support which in former years was accorded to the Sinza Refuge and other charitable institutions from the fines of the Court.

On behalf of the Council I have therefore the honour to ask that H.E. the Taotai be requested to give this matter his earnest attention with a view to remedying a state of affairs which cannot but be regarded as reflecting discredit on the local native authorities.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,

*Chairman.*

O. STUEBEL, Esq.,

Consul-General for Germany  
and Senior Consul.

---

H.M.F.M.'s Consulate-General,  
Shanghai, 14th September 1898.

SIR,—On behalf of my Colleagues and myself, I have the honour to forward to you translation of a dispatch from the Taotai about dead bodies lately found in the streets of the Settlement.

This communication, I think, closes the question in a very satisfactory way.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,  
*Consul-General for Portugal  
and Senior Consul.*

J. WELCH, Esq.,

Chairman of the Municipal Council for  
the Foreign Settlement.

---

[*Translation.*]

*Reply from Taotai to Senior Consul.*

---

SIR,—On the 8th day of the 7th moon (24th August 1898), I received a dispatch from Dr. STUEBEL, the former Senior Consul, informing me that on 18th August 1898 he received a letter from the Municipal Council, stating that destitute persons and beggars are now frequently found dead in the streets of the Settlements, the reason for so happening is because previously there had been money grants from the Mixed Court fines to the Sinza Refuge and to other charitable institutions, now that these grants have been stopped by the preceding Mixed Court Magistrate, dead bodies are frequently seen in the streets of the Settlements, and the Council requested him, the Senior Consul, to ask me to deal with the matter. He therefore enclosed a copy of the Council's letter and desired me to attend to it and reply to him what measures would be adopted. In reply, I beg to inform you that I have ordered the Mixed Court to resume the money grants from fines of the Court to the Sinza Refuge and other charitable institutions in the same manner as before the time of Magistrate Chang, so that all beggars and destitute persons in the Settlements may be sent to the Sinza Refuge and other charitable institutions to be properly cared for and not to go on unheeded as recently. Having directed the Court to report the measures it has taken on the matter, I make this reply for the knowledge of the Senior Consul and for information (of the parties concerned).

A necessary dispatch.

[Seal of TSAI TAOTAI],

Dated Shanghai, 10th September 1898.

---

### OBSTRUCTION AT FIRES.

---

Repeated complaints from the Police and from the Fire Brigade on the subject of the obstruction to and delay in carrying out their duties, caused by spectators at fires, both Foreign and Chinese, have called for the adoption of strenuous measures to check this nuisance, and the Police have received instructions to take out summonses against offenders forthwith. The following notification also referring to the maintenance of order at fires has been issued :—

The Public is informed that Fire Badges for admission within the Police lines at Fires are issued for use by Foreigners only, and the Police are instructed that no natives with Badges are to be admitted within the lines.

By order,

W. E. LEVESON,  
*Assistant Secretary.*

Council Room,  
Shanghai, 17th February 1898.

---

### NINGPO GUILD RIOTS.

---

The July riots in the French Settlement were followed by a strike of Ningpo washermen in the Foreign Settlement which resulted in a breach of the peace in Hongkew; certain ringleaders of this disturbance were arrested and received severe sentences at the Mixed Court. As, however, the Council had reason to believe that several influential Chinese of the better class had been active in fomenting the strikes from which the foreign community suffered no small inconvenience, the following correspondence took place :—

Council Room,  
Shanghai, 28th July 1898.

SIR,—The recent disturbance and breach of the peace in the French Settlement and the difficulties and inconveniences resulting therefrom to the residents in the Foreign Settlements have had the serious consideration of the Council during the past fortnight. As a result of these deliberations I have now the



honour to request that the native community may be warned, by means of a despatch from yourself to the Taotai, of the determination of the Council to take steps, should an incident of a like character re-occur, for the immediate punishment not only of the rioters themselves but of such more influential Chinese as may incite or urge to riot or disturbance the otherwise law-abiding natives within the limits of the Foreign Settlements. It is the earnest hope of the Council that no occasion for action of this nature may arise, but, in the event of its doing so, it is felt that prompt and drastic measures will become necessary, and that the communication of this decision to the Taotai may go far towards the prevention of violence.

I have the honour to be,  
Sir,  
Your obedient servant,  
J. S. FEARON,  
*Chairman.*

O. STUEBEL, Esq.,  
Consul-General for Germany  
and Senior Consul.

Kaiserl. Deutsches General-Konsulat,  
Shanghai, 20th August 1898.

SIR,—I have the honour to acknowledge the receipt of Mr. Fearon's letter of 28th July last urging the necessity, in cases of future riots, of immediate punishment not only of the rioters themselves but of such more influential Chinese as may incite or urge to riot or disturbance the otherwise law-abiding natives within the limits of the Foreign Settlements. The views held by the Council in this matter being endorsed by the Consular Body in a recent meeting, I have since requested the Taotai on behalf of my colleagues and myself to issue a proclamation warning the Chinese gentry and heads of guilds accordingly.

I have the honour to be,  
Sir,  
Your obedient servant,  
O. STUEBEL,  
*Consul-General for Germany  
and Senior Consul.*

JOSEPH WELCH, Esq.,  
Acting Chairman, Municipal Council.

VETERINARY SURGEONS' REPORT.

---

We have the honour to submit to your notice our annual report for the year ending December 31st, 1898.

*Rabies.*—This disease we regret has caused deaths amongst the foreign community during the past year. Sixteen cases of undoubted rabies have come under our notice, but one cannot estimate the total number that have occurred, for as where one is brought under our observation many will pass unnoticed, especially amongst Chinese-owned dogs. In this as in all other contagious diseases, to obtain a satisfactory result from suppressive measures it is necessary to strike at the source of infection, and in this case we believe it to be the Chinese mongrel. It seems almost incredible that from May 5th, 1894, to August 10th, 1898, 9,502 dogs were captured in Shanghai and shipped to Soochow, and from the present returns there is little falling-off in the number. On August 7th we paid a visit to the Dog Kennels at Soochow to ascertain the condition of the animals exported, and from the information we obtained it was decided by your Council to discontinue the exportation. This resulted in the determination to enlarge the Scott Road Dog Kennels. We have had the pleasure of submitting to your notice a few suggestions for the suppression of this disease, and we still trust that what we consider our strongest measure, *viz.* licensing and registration of all dogs, will at an early date be brought into force, for muzzling as a suppressive measure we consider well-nigh useless.

*Dairy Inspection* has been regular, and no efforts have been spared to induce the dairy-owners to bring their premises up to the required sanitary conditions, but we are afraid that as long as a dairy is managed by Chinese the milk will run the risk of contamination. During the year numerous Chinese dairy-owners have been fined at the Mixed Court for selling adulterated milk; this is of course serious in itself, but it is far more so when one reflects that the unlicensed dairies with their filthy water supply are still in existence, and that by means of detectives we have proved that milk from these is accepted by licensed dairies.

With reference to disease amongst the cattle, there is one that calls for immediate attention, and is at the same time difficult to deal with : we refer to Tuberculosis, one of the greatest scourges of modern times. This is a subject we have followed very closely, and we venture to believe that at least fifty per cent of this disease amongst human beings originates from the cow, either directly or indirectly. We can offer no estimate as to the percentage of cattle affected in and around Shanghai, but in England it is acknowledged by experts to be at least from 25 to 30 per cent of all milking cows. There is no doubt cattle here are affected with Tuberculosis, as we have seen cases both in the abattoirs and dairies, whilst the returns from the Medical Officer of Health reveal its increasing presence amongst members of the foreign community. The recent deaths from rabies have brought home to residents the positive necessity for preventative means being taken against that disease, but Tuberculosis, which is far more serious, is passed over because the end is not so tragic; yet it claims more victims. We have written thus strongly, feeling assured that the health of children and invalids is at times entirely dependent upon the purity of their milk supply, and we therefore consider that at any cost every attempt should be made to check this insidious disease.

Several outbreaks of Rinderpest have occurred during the past year, though none have been of a very serious nature, and, with the exception of one, they have confined themselves to the dairy in which they originated.

*Inspection of Meat.*—On April 20th we received an intimation from the Council to the effect that all carcasses rejected at the abattoirs must be examined and certificates granted thereon. Since that time all rejected carcasses have been examined and certificates granted, specifying the disease for which they were rejected.

*Glanders.*—We had the honour to present to your notice on February 26th a report upon this disease with suggestions as to preventative and suppressive measures being taken. We still estimate that at least ten per cent of all ponies in Shanghai are infected with Glanders. With such a diagnostic agent as Mallein at one's disposal we think it might be reduced to 2 or 3 per cent with the co-operation of the

Chinese authorities, but unfortunately the Chinese have yet to learn that infectious diseases amongst animals affect many interests.

We trust we may be pardoned for again bringing to your notice the suggestions already made for the mitigation of this disease, and our excuse for so doing is that we think such regulations entail nothing calculated to raise any opposition, yet their benefits must be felt in two or three years hence.

- I.—Issue a notice to all livery stable-keepers and private owners informing them of the leading characters of the disease, and the methods by which it is spread.
- II.—Isolation and notification to the Inspector of all ponies with a discharge from the nostrils.
- III.—Inspection of all ponies, horses, mules and asses that come into this Settlement.
- IV.—Any persons selling or offering for sale a pony or ponies suffering from Glanders should be fined. Should the pony be sold the sale should not be binding upon the purchaser.
- V.—A penalty should be inflicted upon any person who works or allows to travel upon a public road an animal that is suffering from Glanders.
- VI.—The Inspector should be allowed to enter any place where the disease is suspected to exist.

KEYLOCK & PRATT,  
*Municipal Veterinary Surgeons.*

---

### SANITARY REORGANISATION.

---

The reorganisation of the Nuisance Branch of the Sanitary Department, briefly sketched out by Mr. BURKILL in proposing Resolution IX at the last meeting of Ratepayers and partially authorised under that Resolution, has been proceeded with step by step throughout the year. A Special Committee of the Council, designated the Sanitary Committee, and consisting of Messrs. ANDERSON, HEWETT and RÖHDE, was formed and under its supervision the following alterations have been carried out.

There has been established a branch of the Engineer's Department specially entrusted with the work of road sweeping, scavenging, watering, and repairing, and the Sanitary Department thus relieved is now performing purely sanitary work. The resignation of the Sanitary Inspector, which came into effect on the 1st November, has been followed by steps taken for the engagement in England of a trained man to fill this important post. Arrangements are now in course of negotiation with the authorities of the city of Manchester in this connection, and it is hoped that early in 1899 the Council will have secured the services of an Inspector thoroughly acquainted with the latest developments of sanitary science. It has been arranged that the work of collecting garbage throughout the Settlement will now be performed by coolies in the employ of the Council, its removal from the Depôts being contracted for as heretofore. Tenders for the performance of this collection and also for the removal of nightsoil from the whole Settlement have been called for, and after due consideration those respectively of Yue Ching Yung and Sung Yuen Kee accepted. The terms of the subsequent agreements entered into are appended for general information.

MEMORANDUM OF AGREEMENT made and entered into this first day of January One thousand eight hundred and ninety-nine between the COUNCIL FOR THE FOREIGN COMMUNITY OF SHANGHAI in the Empire of China hereinafter called the Council of the one part and YUE CHING YUNG also of Shanghai aforesaid hereinafter called the Contractor of the other part.

1.—The Contractor shall by means of boats remove all garbage or refuse and sand whenever required to a point beyond the limits of the Settlement hereinafter fixed.

2.—The Contractor shall provide boats adequate in size and in number for this purpose and such boats shall attend at the Depôts to be appointed by the Council for the reception of the garbage at such times as the Council shall require.

3.—The Contractor shall engage a sufficient number of coolies to receive the garbage from the Council's collecting coolies at the Depôts and to man the boats for its transport.

4.—The Contractor shall arrange for a site for the ultimate dumping of the garbage beyond the Pagoda Creek at Loong Wha and any dumping or depositing thereof at any other place shall be considered a breach of this Agreement.

5.—The Council in return for the aforesaid work shall pay to the Contractor the sum of Six hundred Dollars per month.

6.—The Contractor shall keep an Office in the English Settlement and keep there a competent and responsible assistant.

7.—The Contractor shall deposit the sum of One thousand Dollars as a guarantee of good faith upon which deposit the Council shall allow interest at the rate of six per centum per annum.

8.—If the Contractor fail to perform the work to the satisfaction of the Council, the Council shall be at liberty to put an end to this Agreement at any date it may fix and the Contractor's deposit shall thereupon be forfeited to the Council.

9.—Subject to the last preceding clause this Agreement shall endure and remain in force for the period of one year from date hereof and at the end of that period if the Contractor shall have performed the work herein described to the satisfaction of the Council it shall be renewed for a further period of two years.

10.—Should the limits of the existing Settlement be increased during the period specified in the preceding clause the parties to this Agreement shall make such alteration in the terms hereof as shall be mutually satisfactory. In event of dispute regarding such alterations this Agreement shall be forthwith terminated.

11.—A Chinese translation of this Agreement is appended but it is hereby agreed that in the event of dispute the English text shall be held to be binding and authoritative.

---

MEMORANDUM OF AGREEMENT made and entered into this first day of January One thousand eight hundred and ninety-nine between the COUNCIL FOR THE FOREIGN COMMUNITY OF SHANGHAI in the Empire of China hereinafter called the Council of the one part and SUNG YUEN KEE also of Shanghai aforesaid hereinafter called the Contractor of the other part.

1.—The Council in consideration of the monthly payments hereinafter agreed to be made by the Contractor to the Council and the conditions and stipulations on his part hereinafter mentioned concede to the Contractor for one year from the first day of January One thousand eight hundred and ninety-nine the privilege of removing the nightsoil from the Foreign Settlement of Shanghai North of the Yang-king-pang.

2.—The Contractor shall provide all labour boats tubs zinc buckets and other materials necessary for the efficient performance of the service in question.

3.—The nightsoil shall be removed daily from every house and public latrine between the hours of 5 and 8 a.m. in summer that is to say from the first day of May to the thirtieth day of September and 6 and 9 a.m. in winter that is to say from the first day of October to the thirtieth day of April but from the fifteenth day of November to the fifteenth day of March the Contractor shall be allowed till 10.30 a.m. to remove the nightsoil from the houses in the back part of the Settlement between the Shantung Road and the Defence Creek in which however houses situated in the Nanking Road shall not be included.

4.—All tubs buckets and boats used in collecting and removing nightsoil shall be closely covered.

5.—The Contractor shall provide a minimum of sixty-two coolies who shall be solely employed in cleaning the water closets commodes tubs etc. of foreign houses in the Settlements and all such water closets commodes tubs etc. shall be emptied daily and washed clean. The coolies shall be permitted to make a maximum charge of Twenty Cents per mensem in cases where they are required to go upstairs for these purposes but with this exception no charge shall be made by the Contractor to the occupants of houses for the performance of the work.

6.—All the work shall be performed under the supervision and to the satisfaction of the Sanitary Inspector of the Council under whom shall be appointed two Assistant Inspectors whose sole duty shall be this supervision.

7.—In case any portion of the nightsoil during the process of collection or removal be spilled or dropped in any road street or alleyway the said road street or alleyway must be forthwith cleaned and the place washed down with water.

8.—The Contractor shall keep an Office in the English Settlement and keep here a competent and responsible assistant.

9.—The Contractor in consideration of the concession so made to him by the Council shall pay to the Council the sum of Three thousand two hundred Dollars per month.

10.—The Contractor shall deposit the sum of Two thousand Dollars as a guarantee of good faith, upon which deposit the Council shall allow interest at the rate of six per centum per annum.

11.—The Contractor shall enter into a bond with two approved securities for the due performance of his obligation under this Agreement.

12.—If the Contractor fail to perform the work to the satisfaction of the Council, the Council shall be at liberty to put an end to this Agreement at any date it may fix and the Contractor's deposit shall thereupon be forfeited to the Council.

13.—Subject to the last preceding clause this Agreement shall endure and remain in force for the period of one year from date hereof and at the end of that period if the Contractor shall have performed the work herein described to the satisfaction of the Council it shall be renewed for a further period of two years.

14.—Should the limits of the existing Settlement be increased during the period specified in the last preceding clause the parties to this Agreement shall make such alteration in the terms hereof as shall be mutually satisfactory. In event of dispute regarding such alterations this Agreement shall be forthwith terminated.

15.—A Chinese translation of this Agreement is appended, but it is hereby agreed that in the event of dispute the English text shall be held to be binding and authoritative.

---

## HEALTH OFFICER'S REPORT.

---

Shanghai, 31st December 1898.

GENTLEMEN,

There never was a time more opportune than the present for increased attention to the subject of preventive medicine—using the term in its most comprehensive sense—and this applies more especially to places like Shanghai, where so much preventable disease exists. To cope with preventable disease is regarded too much as the business of those who devote themselves to medical practice and too little the concern of the community. It is not, however, by the foresight and expert knowledge of the few, but by the energetic co-operation of the many, acting under the guidance of expert knowledge, that a decisive blow can be struck against preventable disease. Whilst we look for and work for fuller light and more perfect knowledge, it is unquestionably the fact that vast results in the prevention of disease are within reach, if we could but persuade men to act up to the light they already possess.

The more we know of the essential causation of disease, the less diffuse and general and the more defined and accurate do our ideas of their prevention become. The notion that all of us are bound to inhale daily thousands of tubercle bacilli or other pathogenic organisms is, under proper hygienic conditions, to a large extent chimerical, and the prevention of the access to our bodies of the germs of many diseases is not so difficult as at one time appeared. Increasing knowledge tends in its practical conclusions to simplification and definiteness, and we may expect that as time goes on prophylaxis will become more simple and more easily attainable than the extent of the problem might suggest.

In the popular conception of preventive medicine, no disease occupies a more prominent place than typhoid fever, and it is a matter of common knowledge that typhoid fever can be prevented by the most simple precaution of thoroughly cooking all food, especially water, milk and vegetables, by raising them to such a temperature as will destroy the typhoid organisms which lurk therein and are too ready to seize their unsuspecting and all too careless victim.



Epidemics, such as that at Bombay, which have so recently involved the sacrifice of hundreds of lives, incalculable suffering and great material loss, are essentially preventable if local authorities, communities and individuals would do their duty in the sanitary sense—a high and costly standard of duty it may be, attainable it certainly is.

One of the most important lessons to be drawn from the recent outbreak of Plague in Vienna, while public attention is still occupied by this event, is that we have equally sad and equally preventable cases of disease always with us, and if carelessness and neglect is to be mentioned in connection with this case, equally culpable carelessness must be admitted in connection with instances of the spread of infective disease continually going on in our midst, such as typhoid fever. Because these cases are so numerous, and because we have become so accustomed to the conditions under which they occur, movements for their abatement are received with callous disrespect; when, for example, it is suggested that water and milk should be boiled before use and that fresh vegetables should be separated from the rest of the food and be thoroughly cooked. The latter recommendation is especially important, for in the Chinese gardens human excrement is used as a manure, in many cases little more than a suspension of typhoid bacilli.

Again, if we could ensure the destruction of the spit of consumptives and secure a supply of milk and meat absolutely free from tubercle bacilli, all the diseases due to tuberculosis, which now cause one-seventh of the total death bill of the world, and which kill in the same proportion in Shanghai, would cease to exist.

This list of diseases and precautions might be still further extended, were we to include all those in which there is reasonable proof that bacilli are the causal agents. Here, however, it is only necessary to draw attention to what may be called preventable slaughter constantly going on in our midst and to point out that because this slaughter is carried on under good old fashioned conditions, and because it is impossible to alarm people by anything that is not new and striking, it is allowed to go on unchecked and often aided by gross negligence and carelessness. In this connection may be mentioned the criminal license which has been taken by some landowners, who endeavour to place as

many dwellings as possible on a given piece of land, regardless of the sanitary condition alike of the future inmates and of those living in the vicinity. It is this overcrowding and disregard of the simple laws of sanitation, which will have to be paid for many fold should plague be brought to Shanghai. There are newly erected dwellings within the Settlement which outrival in danger to health those in the much quoted districts of Sinza and West Hongkew. In this regard the principle should be maintained that the power of the Municipal Council to deal with matters relating to the health of the inhabitants is supreme.

Since taking over the duties of Health Officer in March last, Dr. HENDERSON has frequently given me the benefit of his experience and knowledge of local conditions, and I have received much support and assistance from all my professional colleagues in Shanghai.

# I.—METEOROLOGY OF SHANGHAI, 1898.

PERIODS.	BAROMETER.		TEMPER- ATURE.		DAILY RANGE OF TEMPER- ATURE.		DEGREE OF HUMI- DITY.		RAINFALL.	
	Mean Inches.	Departure from Average.	Mean Degree.	Departure from Average.	Mean Degree.	Departure from Average.	Mean (Saturation 100)	Departure from Average.	Amount in Inches.	Departure from Average.
First Quarter ...	30.20	—0.06	43.3	+2.6					7.87	+0.05
Second Quarter ...	29.87	—0.00	65.8	+0.7					13.49	—0.63
Third Quarter ...	29.76	—0.02	82.2	+4.3					8.51	—7.42
Fourth Quarter ...	30.20	—0.02	53.4	+1.2					3.09	—3.18
YEAR 1898.	30.01	—0.03	61.2	+22					32.96	—11.23

The above figures have been kindly furnished for this report by the Rev. Aloys Froc, Director of the Zi-ka-wei Observatory.

## II.—VITAL STATISTICS.

## POPULATION.

*The Foreign Population* at the last census, in 1895, of the Settlements North of the Yang-king-pang, including the outside roads and Pootung, was 4,684, and consisted of 2,068 men, 1,227 women and 1,389 children. The calculated foreign population in 1898 is 5,240. The foreign shipping population, which numbers about a thousand, is not here included.

*The Native Population* at the last census, in 1895, of the Settlements North of the Yang-king-pang was 240,995 and consisted of 125,115 men, 57,435 women and 58,445 children. The calculated native population in 1898 is 317,000.

## DEATHS.

*Death-rate among the Resident Foreign Population.*—During the year 1898 the total corrected number of deaths registered among foreigners was 102, being one more than during 1897. Of these 85 occurred among the resident population and 17 among those non-resident.

Six months spent continuously in Shanghai are taken to constitute residence in this as in former reports. The deaths occurring in Shanghai among non-residents are not wholly contributed by the foreign shipping, which is itself a variable factor, hence in the calculation of a death-rate these deaths are eliminated. The death-rate per thousand per annum, therefore, calculated from 85 deaths occurring among the resident foreign population of 5,240, is 16.2. The deaths of 24 infants and children under fifteen have been registered. Of the deaths in adults, 47 were men and 14 women; of infants and children there were 12 deaths among either sex.

*Death-rate among the Native Population.*—There is no system of death registration among the Chinese residing in the Settlement. The number of deaths is ascertained approximately by four native death-

reporters attached to this department, who, by house-to-house enquiry and watching the coffin-shops, become acquainted with the number and sometimes the cause of deaths. There have thus been reported a total of 3,128 deaths among the Chinese, and this among a calculated population of 317,000 give a death-rate of 9.87 per thousand per annum. This number is small, and this is due to the great predominance of young adults among our Chinese population, to the large number who make only a temporary abode in Shanghai, and also to the fact that many deaths, doubtless, escape the eyes of the death-reporters. The number, however, is very useful in indicating the relative, if not the absolute, number of deaths among the Chinese and especially the presence or absence of epidemic disease.

---

**TOTAL DEATHS REGISTERED IN THE FOREIGN COMMUNITY  
DURING 1898.**

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Small-pox ... ..	...	...	...	...	...	1	...	...	...	...	1	...	2
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Typhoid Fever ... ..	...	...	...	1	...	2	...	2	...	1	...	1	7
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Dysentery ... ..	...	...	...	...	...	...	1	...	2	1	...	...	4
Diphtheria ... ..	...	...	...	...	...	...	...	...	...	1	...	...	1
Measles ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Scarlet Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Whooping Cough ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Influenza ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Tuberculosis :													
Tubercular Meningitis ... ..	...	...	...	...	...	...	...	...	...	...	1	...	1
Tubercular Peritonitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Phthisis ... ..	...	2	...	1	3	1	...	1	1	...	...	...	9
Malaria ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Lobar Pneumonia ... ..	...	...	...	1	2	...	...	...	...	...	...	...	3
Infantile Diarrhoea ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Hydrophobia ... ..	...	...	...	...	...	...	...	...	...	2	...	...	2
Beri-Beri ... ..	1	...	...	...	...	...	...	...	...	...	...	...	1
Syphilis ... ..	...	...	...	...	1	...	...	1	...	...	...	...	2
Puerperal Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Alcoholism :													
Delirium Tremens ... ..	...	1	...	...	...	...	1	1	...	...	...	...	3
Chronic Alcoholism ... ..	...	1	...	...	1	...	1	1	1	...	1	...	6
Morphia Habit ... ..	...	...	...	...	...	...	...	...	...	...	1	...	1
Gout ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Rickets ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Cancer ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Gangrene ... ..	...	...	...	...	1	...	...	...	...	...	...	...	1
Diabetes ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Acute Meningitis ... ..	...	...	...	...	...	...	1	2	...	...	...	...	3
Cerebral Hæmorrhage ... ..	...	...	...	...	...	...	1	...	...	1	...	...	2
Cerebral Softening ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Cerebral Abscess ... ..	...	...	...	...	...	...	...	...	1	...	...	...	1
Insanity ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Acute Pericarditis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Acute Endocarditis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Valvular Disease of Heart ... ..	...	1	...	1	...	...	...	...	...	1	1	...	4
Aneurism ... ..	...	...	...	...	...	...	...	1	...	...	1	...	2
Laryngitis ... ..	1	...	...	...	...	...	...	...	...	...	...	...	1
Bronchitis ... ..	...	...	2	1	...	...	...	...	...	...	1	...	4
Broncho-Pneumonia ... ..	1	...	1	...	...	...	...	...	...	...	1	...	3
Acute Enteritis ... ..	...	...	...	...	...	1	...	...	1	...	...	...	2
Intestinal Obstruction ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Sprue ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Abscess of Liver ... ..	...	1	...	...	...	...	...	...	...	1	1	...	3
Gastric Ulcer ... ..	...	...	1	...	...	...	...	...	...	...	...	...	1
Acute Bright's Disease ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Chronic Bright's Disease ... ..	...	1	...	1	...	...	...	...	...	...	1	...	3
Sunstroke ... ..	...	...	...	...	...	...	4	1	...	...	...	...	5
Inanition ... ..	1	...	...	...	...	...	1	...	...	...	...	...	2
Deaths by Violence :													
Drowning ... ..	...	...	2	...	...	...	2	1	...	...	1	1	7
Suicide ... ..	...	2	...	...	1	...	...	...	...	...	...	...	3
Homicide ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Cause of Death Unknown ... ..	...	1	1	...	...	...	1	3	...	...	...	...	6
<b>Total.....</b>	<b>7</b>	<b>7</b>	<b>8</b>	<b>7</b>	<b>7</b>	<b>5</b>	<b>15</b>	<b>13</b>	<b>9</b>	<b>9</b>	<b>5</b>	<b>10</b>	<b>102</b>

DEATHS REGISTERED AMONG THE RESIDENT FOREIGN  
COMMUNITY DURING 1898.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Small-pox ... ..	...	...	...	...	...	1	...	...	...	...	...	1	2
Typhoid Fever ... ..	...	...	...	1	...	2	...	2	...	1	...	1	7
Dysentery ... ..	...	...	...	...	...	...	1	...	2	1	...	...	4
Diphtheria ... ..	...	...	...	...	...	...	...	...	...	1	...	...	1
Whooping Cough ... ..	...	...	...	...	...	...	...	...	1	...	...	...	1
Tuberculosis :													
Tubercular Meningitis ... ..	...	...	...	...	...	...	...	...	...	...	...	1	1
Tubercular Peritonitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	0
Phthisis ... ..	...	1	...	1	3	1	...	1	1	...	...	...	8
Lobar Pneumonia ... ..	...	...	...	2	...	...	...	...	...	...	...	...	2
Infantile Diarrhœa ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Hydrophobia ... ..	...	...	...	...	...	...	...	...	...	2	...	...	2
Syphilis ... ..	...	...	...	...	1	...	...	...	1	...	...	...	2
Delirium Tremens ... ..	...	1	...	...	...	1	1	...	...	...	...	...	3
Chronic Alcoholism ... ..	...	1	...	...	1	...	1	...	1	1	...	1	6
Cancer ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Acute Meningitis ... ..	...	...	...	...	...	...	1	2	...	...	...	...	3
Cerebral Hæmorrhage ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Cerebral Softening ... ..	...	...	...	...	...	...	...	...	1	...	...	...	1
Cerebral Abscess ... ..	...	...	...	...	...	...	...	...	...	1	...	...	1
Valvular Disease of Heart ... ..	...	1	...	1	...	...	...	...	...	...	1	1	4
Aneurism ... ..	...	...	...	...	...	...	...	...	1	...	...	1	2
Laryngitis ... ..	...	1	...	...	...	...	...	...	...	...	...	...	1
Bronchitis ... ..	...	...	2	1	...	...	...	...	...	...	...	1	4
Broncho-Pneumonia ... ..	...	1	...	1	...	...	...	...	...	...	...	1	3
Acute Enteritis ... ..	...	...	...	...	...	1	...	...	...	1	...	...	2
Intestinal Obstruction ... ..	...	...	...	...	...	...	...	...	1	...	...	...	1
Sprue ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Abscess of Liver ... ..	...	1	...	...	...	...	...	...	...	1	...	...	2
Gastric Ulcer ... ..	...	...	1	...	...	...	...	...	...	...	...	...	1
Chronic Bright's Disease ... ..	...	...	1	...	...	...	...	...	...	...	1	...	2
Sunstroke ... ..	...	...	...	...	...	...	4	...	...	...	...	...	4
Inanition ... ..	...	1	...	...	...	...	1	...	...	...	...	...	2
Suicide ... ..	...	2	...	...	1	...	...	...	...	...	...	...	3
Causes of Death Unknown ... ..	...	1	1	...	...	...	1	3	...	...	...	...	6
Total.....	5	6	5	7	6	5	12	11	9	9	2	8	85

DEATHS REGISTERED AMONG THE ADULT RESIDENT FOREIGN  
COMMUNITY DURING 1898.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Small-pox ... ..	...	...	...	...	...	1	...	...	...	...	1	...	2
Typhoid Fever ... ..	...	...	...	...	...	2	...	2	...	1	...	1	6
Dysentery ... ..	...	...	...	...	...	...	1	...	2	1	...	...	4
Phthisis ... ..	...	1	...	1	3	1	...	1	1	...	...	...	8
Hydrophobia ... ..	...	...	...	...	...	...	...	...	...	1	...	...	1
Syphilis ... ..	...	...	...	...	1	...	...	...	...	...	...	...	1
Alcoholism :—													
Acute Alcoholism ... ..	...	1	...	...	...	...	1	1	...	...	...	...	3
Chronic Alcoholism ... ..	...	...	1	...	1	...	1	...	1	1	...	1	6
Cancer ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Acute Meningitis ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Cerebral Hæmorrhage ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Cerebral Softening ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Cerebral Abscess ... ..	...	...	...	...	...	...	...	...	1	...	...	...	1
Valvular Disease of Heart ... ..	...	1	...	1	...	...	...	...	...	1	1	...	4
Aneurism ... ..	...	...	...	...	...	...	...	1	...	...	1	...	2
Bronchitis ... ..	...	...	...	...	...	...	...	...	...	...	1	...	1
Lobar Pneumonia ... ..	...	...	...	1	...	...	...	...	...	...	...	...	1
Acute Enteritis ... ..	...	...	...	...	...	1	...	...	...	...	...	...	1
Intestinal Obstruction ... ..	...	...	...	...	...	...	...	1	...	...	...	...	1
Sprue ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Abscess of Liver ... ..	...	1	...	...	...	...	...	...	...	1	...	...	2
Gastric Ulcer ... ..	...	...	1	...	...	...	...	...	...	...	...	...	1
Chronic Bright's Disease ... ..	...	...	1	...	...	...	...	...	...	...	1	...	2
Sunstroke ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Inanition ... ..	...	1	...	...	...	...	...	...	...	...	...	...	1
Suicide ... ..	...	2	...	...	1	...	...	...	...	...	...	...	3
Cause of death unknown ... ..	...	1	...	...	...	...	1	2	...	...	...	...	4
Total ... ..	3	6	2	3	6	5	8	7	7	6	2	6	61

DEATHS REGISTERED AMONG INFANTS AND CHILDREN OF THE  
RESIDENT FOREIGN COMMUNITY DURING 1898.

Date.	Age.			Sex.	Cause of Death.
January ...	10 months	...	...	F	Broncho-Pneumonia.
" ...	10 months	...	...	M	Laryngitis.
March ...	7 months	...	...	F	Bronchitis.
" ...	6 months	...	...	M	Bronchitis.
" ...	10 months	...	...	M	Cause of death unknown.
April ...	19 months	...	...	F	Typhoid Fever.
" ...	1 year	...	...	M	Broncho-Pneumonia.
" ...	2½ years	...	...	F	Bronchitis.
" ...	8 months	...	...	F	Lobar Pneumonia.
July ...	5 months	...	...	F	Acute Meningitis.
" ...	4½ months	...	...	M	Sunstroke.
" ...	10 months	...	...	F	Sunstroke.
" ...	5 hours	...	...	M	Inanition.
August ...	3 years	...	...	M	Sunstroke.
" ...	15 months	...	...	F	Infantile Diarrhœa.
" ...	10 months	...	...	F	Acute Meningitis.
" ...	1½ years	...	...	M	Acute Meningitis.
September...	14 months	...	...	F	Syphilis.
" ...	1 month	...	...	M	Whooping Cough.
October ...	21 days	...	...	M	Acute Enteritis.
" ...	3 years	...	...	F	Diphtheria.
" ...	11 years	...	...	M	Hydrophobia.
December ...	5 years	...	...	M	Broncho-Pneumonia.
" ...	9 years	...	...	M	Tubercular Meningitis.



DEATHS REGISTERED AMONG THE NON-RESIDENT  
FOREIGN COMMUNITY DURING 1898.

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Phthisis ... ..	...	1	...	...	...	...	...	...	...	...	...	...	1
Beri-Beri ... ..	1	...	...	...	...	...	...	...	...	...	...	...	1
Morphia Habit ... ..	...	...	...	...	...	...	...	...	...	...	1	...	1
Gangrene ... ..	...	...	...	...	1	...	...	...	...	...	...	...	1
Cerebral Hæmorrhage ... ..	...	...	...	...	...	...	...	...	...	1	...	...	1
Insanity ... ..	...	...	...	...	...	1	...	...	...	...	...	...	1
Lobar Pneumonia ... ..	...	...	1	...	...	...	...	...	...	...	...	...	1
Abscess of Liver ... ..	...	...	...	...	...	...	...	...	...	1	...	...	1
Chronic Bright's Disease ... ..	1	...	...	...	...	...	...	...	...	...	...	...	1
Sunstroke ... ..	...	...	...	...	...	...	1	...	...	...	...	...	1
Death by Violence :	...	...	...	...	...	...	...	...	...	...	...	...	...
Drowning ... ..	...	...	2	...	...	2	1	...	...	1	1	...	7
Total.....	2	1	3	...	1	3	2	...	...	3	2	...	17

NATIONALITY OF DEATHS  
AMONG RESIDENTS.

British ... ..	37
Portuguese ... ..	19
German ... ..	12
Spanish ... ..	9
American ... ..	3
Austrian ... ..	1
Indian ... ..	1
Italian ... ..	1
Norwegian ... ..	1

AGES AT DEATH OF RESIDENTS.

One year and under ... ..	13
Over one year and up to ten ... ..	10
Ten to twenty ... ..	3
Twenty to thirty ... ..	19
Thirty to forty ... ..	18
Forty to fifty ... ..	5
Fifty to sixty ... ..	9
Sixty to seventy ... ..	8
Seventy to eighty ... ..	0
Mean age at death ... ..	29.5
Mean age at death of adults ..	40.5

DEATH-RATES OF FOREIGN POPULATION SINCE 1880.

Year.	Residents.					Non-Residents.	Total Deaths including Non-Residents.	Death-Rate including Shipping Population and Non-Residents.
	Adults.	Children.	Total Deaths.	Population.	Death-Rate of Resident Population.			
1880	48	7	55	2197	25	23	78	21·6
1881	47	13	60	2492	24	51	111	30·8
1882	36	23	59	2789	21·2	37	96	26·7
1883	56	17	73	3082	23·7	55	128	25·6
1884	27	22	49	3377	14·5	37	86	17·2
1885	51	20	71	3673	19·3	32	103	20·6
1886	51	18	69	3702	18·6	51	120	24·0
1887	64	20	84	3731	22·5	46	132	26·4
1888	52	23	75	3760	19·9	33	108	21·6
1889	39	28	67	3789	17·7	25	92	18·4
1890	60	31	91	3821	23·8	35	126	23·9
1891	61	38	98	3980	24·6	45	132	25·0
1892	52	18	70	4140	16·9	32	102	19·3
1893	45	21	66	4310	15·3	31	97	18·4
1894	47	40	87	4500	19·3	37	124	23·5
1895	45	35	80	4684	17·1	44	124	23·5
1896	59	29	88	4834	18·2	47	135	22·0
1897	42	27	69	4909	14·5	32	101	16·4
1898	61	24	85	5240	16·2	17	102	16·7

# NATIVE DEATH RETURNS FOR THE YEAR 1898.

## SETTLEMENTS NORTH OF THE YANG-KING-PANG.

MONTH.	DEATHS FROM CHOLERA.			DEATHS FROM SMALL-POX.			TOTAL DEATHS FROM ALL CAUSES.
	British Settlement.	Hongkew Settlement.	Total.	British Settlement.	Hongkew Settlement.	Total.	
January ... ..	...	...	...	...	...	...	211
February ... ..	...	...	...	...	3	3	198
March ... ..	...	...	...	...	12	12	220
April ... ..	...	...	...	...	12	12	223
May ... ..	...	...	...	2	12	14	315
June ... ..	...	...	...	...	4	4	362
July ... ..	...	...	...	...	12	12	484
August ... ..	...	...	...	...	4	4	292
September ... ..	...	...	...	...	...	...	226
October ... ..	...	...	...	...	1	1	216
November ... ..	...	...	...	...	1	1	180
December ... ..	...	...	...	...	3	3	202
TOTALS ... ..	...	...	...	2	61	63	3,129

Native Death-rate calculated on a population of 317,000=9.87

### III.—INFECTIOUS DISEASE.

---

#### NOTIFICATION.

---

The past year has been the first during which a continuous notification of Infectious Disease has been effected. The utility of this measure is obvious, for the first requirement of a Public Health authority towards the prevention of disease is the knowledge of the prevalence of those diseases which are preventable. This has been carried out by the kind co-operation of the medical men of the Settlement, who have performed this useful service gratuitously. At the same time every facility is offered for the bacteriological examination of disease products at the public expense.

#### ISOLATION.

---

The means of isolation, excepting that in private houses, which is almost invariably inefficient, are the Shanghai General Hospital for Foreigners and the Municipal Isolation Hospitals, the Shantung Road and St. Luke's Hospital for Chinese.

#### DISINFECTION.

---

This important means of limiting the spread of disease has apparently, until recently, been performed in a perfunctory manner. In former years, when cholera was prevalent, free disinfection was offered and carried out in Chinese dwellings under the direction of the Sanitary Inspector. As efficient disinfection requires a special knowledge of Sanitation, it appears to me unwise to employ the local druggists for this purpose, as has been done in the past for foreign dwellings. Such work can only be properly carried out by the Sanitary authority. It is therefore proposed to offer disinfection of premises after infectious disease to foreigners and Chinese alike.

INFECTIOUS DISEASES NOTIFIED AMONG THE FOREIGN COMMUNITY DURING 1898.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	No. of Fatal Cases.	Case Fatality.
Small-pox ...	...	1	...	...	1	2	...	...	...	1	...	5	10	2	20%
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...
Typhoid Fever ...	5	4	6	5	10	6	4	4	12	7	4	8	75	7	9.3%
Typhus Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	0	0	...
Dysentery ...	2	3	3	2	1	8	18	23	44	27	16	8	155	4	2.6%
Diphtheria ...	4	2	1	1	...	1	...	...	...	2	...	2	13	1	7.7%
Measles ...	...	1	...	2	...	4	1	1	5	...	...	...	14	0	...
Scarlet Fever ...	...	2	1	...	5	...	...	...	...	...	...	...	8	0	...
Whooping Cough ...	...	...	...	...	1	1	7	13	5	8	1	4	40	1	2.5%
Influenza ...	6	7	...	...	3	4	...	...	27	50	1	11	109	0	...
Tuberculosis ...	...	...	...	...	3	6	...	3	...	2	1	1	16	10	62.5%
Malaria ...	...	...	...	...	13	14	18	10	41	13	3	3	115	0	...
Lobar Pneumonia ...	...	2	...	...	...	1	...	...	...	...	1	6	10	2	...
Infantile Diarrhoea ...	...	...	...	...	1	8	7	7	11	3	...	1	38	1	...
Chicken Pox ...	...	...	26	28	2	...	...	...	...	...	1	1	58	0	...
Dengue ...	...	...	...	1	...	...	...	...	8	52	1	...	62	0	...
Beri-Beri ...	...	...	...	...	1	...	...	1	...	2	...	...	2	1	...
Hydrophobia ...	...	...	...	...	...	...	...	...	...	2	...	...	2	2	100%
Erysipelas ...	...	...	...	...	1	2	...	...	...	...	...	...	3	0	...
Total ...	17	22	37	40	42	63	61	54	156	160	32	46	730		

DEATHS FROM THE PRINCIPAL INFECTIVE DISEASES AMONG  
THE FOREIGN POPULATION SINCE 1880.

Year.	Tuber- culosis.	Dysentery.	Typhoid Fever.	Cholera.	Small-pox.	Diphthe- ria.
1880	6	...	2	2	...	0
1881	13	...	6	13	...	3
1882	9	...	2	15	...	2
1883	15	...	4	23	...	0
1884	6	...	4	2	...	2
1885	11	...	3	25	...	2
1886	12	...	2	23	...	0
1887	9	...	8	18	7	0
1888	9	...	4	5	2	0
1889	10	...	4	1	1	0
1890	8	3	4	32	4	0
1891	11	4	7	23	3	3
1892	18	0	7	0	5	2
1893	6	3	2	0	11	2
1894	7	0	5	0	9	3
1895	4	2	0	20	7	5
1896	9	2	8	10	19	1
1897	9	1	6	0	2	1
1898	10	4	7	0	2	1

### TYPHOID FEVER.

During the past year there were seventy-five cases and seven deaths from this disease among foreigners. Typhoid fever is twelve times more prevalent in Shanghai than it is in England, but the disease is of a less severe type. A case of typhoid fever has perhaps twice as great a chance of recovery in Shanghai as it has in England; in other words, the mortality of a given number of cases is about half as great in Shanghai. This is probably an example of local modification of virulence of disease.

Public Health measures for the suppression of typhoid fever in Shanghai have their limitations, and must be supported by individual action before any great impression can be made on the disease.

Besides the surveillance of the milk and water supply, it is necessary to guard the soil from pollution, more especially around dwellings or the sites of future dwellings. Polluted soil is the great medium in which, in nature, the typhoid bacillus thrives. Pure soil will destroy the typhoid germ, polluted soil will foster it and multiply it indefinitely. The bearing of such considerations as these on prevention is obvious. It is especially in Shanghai that there are such abundant means of supplying the germ, where vegetables are manured with human faecal matter, so that the seed of a single case of the disease may be sown broadcast, and where in so many parts the earth has been waterlogged with filth for unknown periods of time. The impermeable paving of yards, streets and alleys and the concreting of the basement of houses should be encouraged.

With regard to individual measures, the safest rule to make for residents in Shanghai is to thoroughly cook all food, especially food of local origin, including milk and water. No material which has been raised to the boiling point of water can contain a living typhoid germ. Hence if this were done and contamination subsequent to cooking prevented by cleanliness in the kitchen, typhoid fever would cease to be, for all cases arise by swallowed infection. The instructions appear very simple and indeed are actually so, but such an absolute immunity can only be secured when our servants are imbued with the blessed responsibility of perfect cleanliness. Especial stress should be laid on the fact that vegetables are frequently the source of infection with typhoid fever, cholera, dysentery and other forms of diarrhoea, and particular care

should be given to their thorough cooking and separation from the rest of the food. Chinese servants should not be allowed to touch the food directly with their hands once it is cooked, or it may be again infected.

CHOLERA.

With regard to prevention of cholera the same remarks apply which have been made concerning typhoid fever. The past year was the second year in succession that the Settlement has been free from cholera.

DEATHS REGISTERED FROM CHOLERA IN THE FOREIGN COMMUNITY  
DURING TWENTY-FOUR YEARS.

Year.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Total.
1875	...	...	...	...	...	5	4	9
1876	...	1	...	...	...	...	...	1
1877	...	...	1	2	9	3	1	16
1878	...	...	...	3	8	3	2	16
1879	...	...	...	1	1	...	...	2
1880	...	...	...	...	2	...	...	2
1881	...	...	...	...	7	6	...	13
1882	...	...	...	3	8	4	...	15
1883	1	1	10	5	5	1	...	23
1884	...	...	...	...	...	...	2	2
1885	...	...	...	4	9	12	...	25
1886	1	...	...	2	11	6	3	23
1887	...	...	...	3	13	2	...	18
1888	...	...	...	4	1	...	...	5
1889	...	1	...	...	...	...	...	1
1890	...	...	...	22	10	...	...	32
1891	...	...	1	10	8	4	...	23
1892	...	...	...	...	...	...	...	...
1893	...	...	...	...	...	...	...	...
1894	...	...	...	...	...	...	...	...
1895	...	...	1	16	2	1	...	20
1896	...	...	...	3	6	1	...	10
1897	...	...	...	...	...	...	...	...
1898	...	...	...	...	...	...	...	...
Total	2	3	13	78	100	48	12	256



## PLAGUE.

—

As this disease may possibly become more than of passing external interest to us, we may with advantage endeavour to discover how we stand in relation to it and the means which might be adopted to combat it, should it once gain hold. In this matter much may be learned from the experience of places, less fortunate than Shanghai, where Plague has been prevalent.

*Occurrence and Mode of Spread of Plague.*—With the exception of America and the Southern Hemisphere, where Plague has never been known, the rest of the world has at one time or another been more or less subject to it. From Europe, where it was at one time most prevalent, it has been driven by the hygienic conditions which advancing civilisation has brought in its train.

The Great Plague of London, which was the genuine bubonic plague, killed 100,000 persons, and not long since it was a current and favourite doctrine that the Plague of London was stamped out by the Fire of London, which gave a healthier city: such an explanation appealed to the Sanitarian, but when tested as to its truth the fact could not be overlooked that Plague continued in London for thirteen years after the fire, that it disappeared as quickly from other towns in England as from London and that the newly built London was little better than the old, for Sir Christopher Wren's plans were not carried out.

Shortly the history of the march of Plague in China in modern times is as follows. In certain places Plague is endemic or "at home," and it is from these that it is imported to others. Plague has, for many years, been endemic in the South-west of China, in the province of Yunnan. From Yunnan, following probably the trade route, it spread to Pakhoi on the Gulf of Tonquin, a severe epidemic occurring in 1883 in that and in neighbouring towns. In 1894 it extended to Canton, where it killed 60,000 people. Later in the spring of the same year it broke out in Hongkong, subsequently spreading to Macao, Swatow, Amoy, Foochow and Formosa, and probably to many other places in the Southern provinces, where in one place or another, considering the wretched

hygienic conditions and the poverty of the inhabitants, it is safe to prophesy that Plague will continue epidemic for many years to come.

During the past year the number of Plague cases reported in Hongkong up to June 30th was 1,308 with 1,153 deaths.

Though Plague is known as a disease which is slow in its advancement, it is particularly the Chinese Plague which is characterised as an expansive Plague, full of potentialities and only requiring the opportunities to manifest itself. The comparatively rapid spread of the disease in China and now in Western India is sufficient evidence of vitality and diffusive power. When it broke out in Bombay in 1896—conveyed it is said by a cargo of rice carried in the hold of a vessel, which had been previously loaded with dead Chinamen—it spread from that city in every direction infecting nearly the whole of the Bombay Presidency, and the whole of Western India even up to the North-western Provinces. In districts adjacent to each other, the “rats’ progress,” as it has been called, seemed to play an important part in the spread of the disease. In some Hindoo writings 800 years ago it is curious to note that there is contained an exhortation to the effect, that whenever they observe a mortality among rats they are to leave the locality. Possibly the old Chinese view regarding the gradation of animals affected and the relation of the disease to the soil, though somewhat fantastically expressed, has much truth in it. Again, in the recent outbreak in Bombay, Plague was considered a local disease which would not spread. Its manifest slowness in reaching any general proportions was taken as a sign of its incapability of diffusion, the fact being overlooked that this is one of the most important characteristics of most Plague Epidemics.

Plague has from the earliest times been associated with merchandise and commerce or with the movements of large bodies of men.

It is calculated that Bombay at the time of the height of the Plague Epidemic lost £100,000 a day, while 100,000 persons died of the Plague in Western India. Hence both for commercial and social interests and for the sake of humanity every effort which science and money can afford should be made to learn more about the disease.

*Means of Prevention.*—In epidemics of former times the sanitary measures were necessarily simple ; the Plague appeared and the inhabitants fled, leaving whole villages and towns deserted and without food for the

disease. The disease then either died out or gradually spread along the lines of flight marked out by the fleeing inhabitants. In adopting sanitary measures with a view to limiting or arresting the spread of Plague, it is of the utmost importance to recognise the necessity of being prepared for the first appearance of the disease by prompt and energetic measures, instead of merely waiting for it and then following its course with action. The slow course of Plague luckily gives time to anticipate its arrival. The march of Plague in recent times shows that it is the slowest travelling of all epidemic diseases. It is well that it is so, for the high mortality caused by rapidly recurring epidemics is absolutely decimating in its awful results. There have been rapid advances in the method of dealing with outbreaks of Plague since the discovery of the bacillus by Kitasato and Yersin in 1894, notably Haffkine's brilliant work on the Plague prophylactic, which in the observations which have been made shows a reduction in the mortality between the inoculated and non-inoculated of over 80%.

It is well known that sanitary measures exert a most powerful influence on Plague; that social conditions also play an important part; that overcrowding favours its spread; that the incidence of the disease is more severe on the inhabitants of dark, damp and filthy dwellings, such as are to be seen in many parts of Shanghai, where the greatest possible number of insanitary dwellings are thrown on a given piece of land, regardless alike of the health of the inhabitants and of those living near, and where both within and without all care of sanitation is left to Providence. Plague is a disease of the poor and ill-fed and not of the well-nurtured and rich; very few Europeans are attacked, and of those who are, a larger proportion recover.

But it is doubtful if Shanghai is in a better position than was Bombay, for resisting an outbreak of Plague. Plague has never been known to take hold of any locality, where ordinary cleanliness has been observed and overcrowding prohibited. With regard to preventive measures, past experience justifies the belief that Plague in the future will be as little known as Typhus at the present time, if similar sanitary precautions be carried out in reference to it. Typhus fever has in all civilised countries been practically stamped out by hygiene and sanitary science and

the same happy results will follow in the case of Plague by the strict application of similar principles.

Our greatest safeguard against Plague, therefore, is to put our house in order and to guard our gates. The cleansing, hygienic control and to a certain extent the proper construction of the Settlement is under the care of the Municipal Government, while the main mode of possible entry of Plague, namely by the shipping, is guarded by the Port Authority—the Imperial Chinese Maritime Customs. As we are therefore more or less at the mercy of the latter authority, it behoves us to inquire into the methods adopted for our protection. These consist of the medical inspection of all vessels, excepting junks, flying the “yellow flag.” When ports are declared infected all vessels from these ports are medically inspected and the importation of certain merchandise is prohibited. Should Plague be found on board, the cases are isolated and the ship placed in quarantine and disinfected. As animals such as mice and rats have to be reckoned with in the case of Plague, as the medical examination is necessarily somewhat cursory, and as no supervision of the junk traffic is provided for, there is no absolute guarantee that Plague may not slip through. Should this happen or should Plague be introduced by the junk traffic, especially by creeping along the internal waterways, we should to a large extent have to depend on the general sanitary condition of the Settlement to limit the outbreak. No military cordons, no compulsory isolation or segregation could be applied to Shanghai. In this respect we should be in a very much worse position than either Bombay or Hongkong. The foreign population, if inoculated by Haffkine’s method at the beginning of an outbreak, could be protected, much as vaccination protects against small-pox. The material used for inoculation consists of a suspension of dead Plague bacilli and their products, and can readily be prepared from cultures of the Plague bacillus. The protection against Plague moreover is attainable in less than twenty-four hours.

#### SMALL-POX.

---

There were ten cases and two deaths from this disease among foreigners last year. In Shanghai, where we are surrounded by virulent small-pox, the simple precaution of vaccination should be repeated every

five years. With regard to vaccination, the Germans have accorded to vaccination a place which is practically denied it in the land of Jenner, for in England they have adopted the "open door" policy of the conscience clause, while in Germany the results of thorough vaccination are evident from the fact that only ten deaths from small-pox occurred during 1896 in the whole of Germany and not a single recorded death from that cause in the German army since re-vaccination was made compulsory.

The following number of vaccinations have been done among natives with calf lymph supplied free from the Municipal Vaccine Station. At St. Luke's Hospital 295 vaccinations were done during the past year, of which 262 were successful: in addition 563 vaccinations were done in villages adjacent to the city by assistants of Dr. Boone, connected with St. Luke's Hospital. In the Shantung Road Chinese Hospital 43 vaccinations were done, of which 41 were successful. A little gratuitous vaccination of Chinese has also been done at the Municipal Laboratory, mostly among the Municipal coolies. As these numbers are very small when compared with the native population of Shanghai, it will be, I believe, possible to considerably augment the good work by the establishment of a vaccination station as a part of a permanent Municipal Isolation Hospital for Chinese.

#### VACCINE STATION.

---

This work has gone on continuously throughout the year, and by the beginning of the present small-pox season a vaccine of efficient power has been elaborated by rapid passage through a series of calves. Vaccine lymph from several sources have been obtained from London, Tokio and Saigon, and at the present time the quality of the lymph is such as to cause no anxiety as to further propagation. Two sizes of tubes have been supplied, large at 75 cents each sufficing for at least six vaccinations and small at 30 cents each, which contain sufficient for vaccinating three persons. It is proposed next season to issue only one size, the small, as being more convenient to work with and less liable to contamination. All lymph supplied is guaranteed free from tubercle and pus organisms. It is glycerinated and emulsified by the apparatus of Dr. Chalybans,

the director of the Dresden Vaccine Institute. It is recommended that the lymph be kept in an ice-chest, especially in the hotter months. In order to ensure a constant supply of fresh vaccine, an arrangement has been made with the local druggists, whereby tubes which they have retained in stock for a longer period than a month may be exchanged without charge for fresh tubes. The lymph is freshly prepared every fortnight by the inoculation of calves of foreign origin, and it is kept at least fourteen days before being issued to the public, to allow of the action of glycerine in eliminating all extraneous organisms ; at the end of this time cultures are made and unless sterile the lymph is not issued.

It appears to me extraordinary, considering the number of mission stations in the interior of China, that little use is made of so great a source of good as vaccination. Shanghai should certainly be the distributing centre for vaccine lymph as for other goods. The expenses and trouble of production are practically the same for a large quantity as for a small quantity of vaccine. There is I believe a wide field for Shanghai vaccine—400,000,000 of Chinamen are waiting to be vaccinated.

---

DEATHS FROM SMALL-POX.  
SETTLEMENTS NORTH OF THE YANG-KING-PANG.

MONTHS.	1890		1891		1892		1893		1894		1895		1896		1897		1898		TOTAL.
	Foreign.	Native.	Foreign.	Native.	Foreign.	Native.	Foreign.	Native.	Foreign.	Native.	Foreign.	Native.	Foreign.	Native.	Foreign.	Native.	Foreign.	Native.	
January ...	...	3	2	21	...	7	5	72	4	55	1	2	9	31	...	56	...	...	278
February ...	...	9	1	28	...	6	3	35	3	31	...	8	3	23	1	16	...	3	170
March ...	...	1	17	...	35	...	12	2	22	1	25	...	15	2	20	...	10	...	174
April ...	...	2	12	...	38	1	5	1	18	1	10	1	7	1	6	...	6	...	121
May ...	...	...	12	...	28	1	2	...	6	...	2	...	11	2	6	...	3	...	87
June ...	...	...	9	...	27	...	6	...	3	...	2	...	5	...	19	...	1	1	76
July ...	...	...	8	...	31	...	3	...	1	...	...	...	3	1	17	...	...	...	76
August ...	...	...	4	...	5	...	...	...	2	...	...	...	6	...	14	1	...	...	36
September ...	...	...	...	...	1	...	1	...	2	...	...	...	2	...	25	...	...	...	31
October ...	...	1	1	...	1	...	...	...	2	...	...	...	1	...	19	...	...	...	26
November ...	...	...	1	...	...	...	14	...	4	...	...	1	23	...	55	...	...	...	99
December ...	...	...	3	...	8	3	22	...	17	...	...	4	55	1	81	...	...	1	198
Total ...	4	79	3	223	5	78	11	184	9	125	7	138	19	316	2	92	2	65	1,372

### DYSENTERY.

---

Although 155 cases of this disease have been notified to me during the year there have been but four deaths from this cause. In Japan during 1898 there were upwards of 80,000 deaths from dysentery, and from observations made during my recent visit to Japan the case fatality was at least 25 °/o instead of 2.6 °/o as in Shanghai. Either therefore Shanghai Dysentery differs greatly in severity from Japanese or Indian Dysentery or, as is more probable, a large amount of diarrhœa of dysenteric character, but not true dysentery, is reported.

### RABIES.

---

This disease has been more than usually prevalent during the past year and has caused some particularly sad events. A more active surveillance has been kept over stray and ownerless dogs and a larger number have been humanely destroyed at the Municipal dog kennels, much to the benefit of the Settlement. An extension of the Settlement will do much good in this respect, for it is the outlying districts that supply the hordes of dogs, which infest the Settlement. A five-dollar license fee would eliminate most useless dogs from the Settlement and would pay the expenses attending the Pasteur Treatment of Hydrophobia. In this way the owners of dogs, native and foreign, would pay for the harm they help to bring upon the community and assist in remedying it.

Having been sent to Tokio for the purpose of undergoing a protective inoculation against Rabies and to obtain the necessary instruments, it is hoped to be soon in a position to treat by the Pasteur method persons bitten by rabid animals. Shanghai will therefore soon be practically proof against the dread disease.

### BERI-BERI.

---

Beri-beri has from time to time occurred in the Police cells, and in September a well marked epidemic broke out in the Hongkew Station, which was the most overcrowded. The cases were all removed to the Municipal Isolation Hospital, and of forty cases admitted, eight died. The remedy



for preventing further outbreaks has, for some time past, been obvious; namely, to limit overcrowding by the provision of a suitable prison for Municipal convicts.

#### ALCOHOLISM.

---

Though not the cause of an infectious disease in the ordinary sense, alcohol is the poisonous product of a germ, the *torula cerevisiæ*—and, as such, it is a significant fact that nine deaths were directly attributable to alcoholism among the foreign population during the past year—a proportion of about 1 in 9 of the total deaths. Of these six were British subjects, two Germans, and one Portuguese.

With regard to “Hongkew Whiskey,” which has the reputation of doing so much harm among our sailors by reason of its quality, it may be said that it is the quantity rather than the quality which does the harm. Analyses in the Laboratory have shown that it is a raw spirit produced from starchy matter by the action of the above-mentioned germ, and contains one poison only, alcohol, which is common to it and to the more costly spirits.

#### MUNICIPAL ISOLATION HOSPITALS.

---

*The Plague Station* was used for disinfecting the occupants of an infected cargo-boat, and several coffins brought from infected ports. The hospital was also put in readiness for the reception of patients.

*The Isolation Hospital* in Scott Road was occupied during September, October and November by cases of Beri-Beri. This was the first occasion for use of the hospital. The structures are temporary and intended for warm weather only. It is essential that a more permanent hospital, capable of being artificially heated, be built.

*The Lock Hospital* is an important factor in the preventive medicine of the Settlement, by reason of the detention and cure of infected native prostitutes. As the class, who are protected, subject themselves voluntarily to the risk of contracting disease; it is only right that they should pay for the protection gained. At present there is a tax of one dollar a month on these native prostitutes. This does not pay

the expenses of the hospital, consequently the excess devolves upon the public. This would be avoided by increasing the tax to, say, two dollars a month, a sum which they are quite able to pay.

#### PUBLIC HEALTH LABORATORY.

---

It would be difficult to overestimate the importance of an early diagnosis of infectious disease, whether the matter be viewed from the standpoint of the individual or of the community; and since it is generally recognised that bacteriology can afford valuable assistance in the diagnosis of certain diseases, it is fitting that those whose duty it is to guard the public health should offer all possible facilities for the adoption of this important aid.

Numerous specimens from cases of suspected typhoid fever, diphtheria, tuberculosis, plague, anthrax, etc. have been subjected to bacteriological examination.

Several chemical analyses have been made of a wide range of materials. It is intended in the future to make a monthly analysis of the water supplied by the Shanghai Waterworks Co. Of fourteen samples of milk collected by the Inspector of Dairies and Markets, six were found much adulterated, one of poor quality, three of fair quality and four of good quality.

Work relating to the cause, mode of spread and limitation of diseases prevalent in Shanghai has been carried out. The laboratory is gradually becoming a well-equipped one for the investigation of disease, and these advantages have been this year thrown open to the medical men of Shanghai also.

In the future it is proposed to prepare in the laboratory, Tuberculin, Mallein, possibly diphtheria and typhoid antitoxic sera and Haffkine's Cholera prophylactic, while the limitation of Rinderpest is another subject, which it is intended to approach through the laboratory. Unfortunately I shall now be unable to prepare a supply of Haffkine's Plague prophylactic to be in readiness to meet an outbreak of Plague.

### NURSING HOME.

---

The details of work will be found in the report of the Sister-in-charge which follows. Although the three nurses have been fully engaged throughout the year, their services would be more completely utilised were cases also nursed in one building provided with the necessary medical and surgical appliances, where they would also be able to impart their knowledge to other women, foreign and native. The new nursing institute should be replete with every sanitary improvement and be situate in a convenient and pleasant part of the Settlement. Two more trained nurses would be required. To be self-supporting such an institute should have at least twenty beds; for a less number, the expenses of management would be practically as great, while the income would be considerably less.

“The work done by the two nurses and myself has continued very steadily during the past year, about the same number of cases being attended as in 1897, and our time has been fully occupied.

“Ten applications have been refused, seven in Shanghai and three in the outports, no nurse being available; but this by no means represents the number of sick persons who would have had nurses had the staff been larger, but who knowing that we were all engaged have not applied at the home. One nurse was sent to an outport for twenty days, during which time she was not required in Shanghai. A number of the cases attended (about 8 or 10) would have preferred to come into the home to be nursed had it been possible, the accommodation and surroundings in their own houses being unsuitable and inconvenient. The want of a proper Nursing Home is more urgently needed in Shanghai every day. I much regret it has not been thought possible to arrange for *daily visits* amongst the poorer ratepayers who are unable to afford the fees, or who do not actually require the services of a nurse during the entire day. I feel sure that could our services be more widely employed amongst all classes it would do a great deal of good, not only in the cases we should nurse ourselves but by our being able to show those, who are willing and ready to help in nursing their sick friends and relatives, the proper way to do it.”

	1898		1897	
	Number of Cases.	Number of days in attendance.	Number of Cases.	Number of days in attendance.
Medical Cases ... ..	27	271	26	368
Surgical „ ... ..	7	36	3	25
Infectious „ ... ..	3	56	3	32
Mental „ ... ..	1	2	1	4
Midwifery „ ... ..	14	243	14	173
Totals ...	52	608	47	602
Average number of days per case ... ..	...	11½	...	14
Total amount of fees received ... ..	...	Tls. 1,787	...	Tls. 1,441

MARIE CAMPBELL,

*Sister-in-charge.*

## IV.—SANITATION.

*Changes in the Staff of Sanitary Department.*—Mr. J. B. Cameron resigned the post of Sanitary Inspector on the 31st November. Mr. Johnstone was then made Acting Sanitary Inspector, pending the appointment of a duly qualified man in England. Assistant Inspector F. Ulbricht resigned his appointment on the 4th of January, while Assistant Inspector J. Bahr was invalided on the 31st of May. These vacancies were filled up by J. F. C. MacDonald and F. Stanley. Two Assistant Inspectors, W. Roberts and F. Jovino, were transferred to the Engineer's Department.

*Refuse Disposal.*—Since the 1st of May the garbage has been deposited on the roads once a day only, not later than 6 a.m. in the

summer and 7 a.m. in the winter. The new method is a considerable improvement. On the 1st of October the work of watering and sweeping of roads and the collection of garbage therefrom was transferred to the Engineer's Department, the more purely sanitary work of the collection of garbage from and disinfection of alleys, etc. remaining as heretofore in the hands of the Sanitary Department. By thus eliminating a large amount of work not strictly sanitary in nature, the work of the department has been less hampered and more energy is able to be given to purely public health matters.

*Insanitary Areas, etc.*—That of West Hongkew, behind the Bankers' Guild, is the most marked, and it will remain in an exceedingly bad sanitary condition until the present dwellings are replaced by new ones, on land raised above the level of the new sewers.

During the year, seventeen stagnant ponds, thirteen badly constructed native latrines and night-soil pits, chiefly in the Hongkew and Yangtszepoo districts, were filled in, seventy-seven night-soil kongs were taken away, and seven pig-sties were removed beyond the limits of the Settlement. Nine hundred and twenty-six drains were found defective and were repaired, upon notice being sent to the owners and agents concerned.

*Latrines and Urinals.*—Three new latrines and eleven urinals have been erected during the year, and others are still wanted to adequately meet the needs created by the growth of the Hongkew district.

*Dwellings.*—Numerous groups of Chinese dwellings have been erected with little or no attention to sanitation, and it is a matter of great difficulty to deal with these under the present Land Regulations.

*Factories.*—Practically all the factories in and around the Settlement have been inspected as to sanitary condition. Returns show that there are over 30,000 natives employed in the factories, of whom 18,000 are women and 6,000 children. As this massing together would be an important element in the spread of epidemics, it is necessary that factories should be in a good sanitary condition and under periodical sanitary inspection. As a rule there is considerable provision for the comfort and health of the workers, especially in the new cotton mills, and they compare well with those in England, but there is no doubt

that considerable difficulty would be met were the English or Indian Factory Acts applied here, particularly as regards the employment of women and children on night duty.

*Municipal Laundry.*—This experimental laundry, situate at the end of Rifle Range Road, is now in working order. Its construction is excellent and the working of the laundry-men is inspected daily by the Sanitary inspectors. Waterworks' water only is used, and among other improvements the filthy habit of squirting water from the mouth on the clothes before ironing has been replaced by hand sprinkling.

## V.—FOOD.

---

The supervision of the Food Supply is under the immediate control of Mr. Christie, the Inspector of Dairies and Markets. I should like to call attention to the following subjects.

### WATER SUPPLY.

---

It is the exception to find either public or private water supplies adequately protected, and in Shanghai, where our source of water is derived from the Yangtse, a supervision of so infinite a water collecting area is out of the question. In any case we may rest assured that the volume of the Yangtse river is merely the diluted sewage of all the inhabitants of the Yangtse Valley and of the floating population, and this fact in itself should make us careful to ascertain if our water is carefully filtered. Purification through sand, such as is practised by the Shanghai Waterworks Co., is at best imperfect and acts chiefly by subtracting the coarser suspended matter, which as a rule is harmless. The minute disease germs are only to a certain extent removed by sand filtration, and it is the latter which are the cause of diseases such as Typhoid Fever and Cholera. Hence, something further is required to be done before Shanghai Waterworks' water is safe to drink, namely to use either the Berkefeld or the Pasteur filters, which by yielding a germ free water are the only filters in a true sense, or to boil the water, whereby all disease organisms are destroyed.

The frequency of shallow wells, which tap the subsoil water and which are so often polluted with the worst possible source of poison, namely, Typhoid Fever and Cholera, suggests (1) That the Sanitary Authority should have power to close any shallow well which it can be proved is liable to pollution; (2) That no shallow well should in future be made until the site selected has been approved by the Health Officer.

### MEAT SUPPLY.

---

From meat, which is invariably eaten in a cooked condition, there is considerably less danger than from milk, which is unfortunately often consumed raw.

The examination of carcases in our excellent Slaughter-houses affords efficient protection of the meat supply, and it is doubtful whether any disease is now introduced in this way in Shanghai.

*Butchers' Shops.*—No meat is allowed to be exposed for sale in any shop supplying foreigners unless it bears the Municipal stamp. During 1898 488 lbs. beef, 25½ lbs. mutton, 79 lbs. pork, and 7 lbs. veal have been seized and destroyed, because unfit for food.

*Native Pork Shops.*—From the 1st January 1898 the Native Pork Shops and Stalls have been licensed on certain conditions. As a sequence a strike of Pork-dealers took place, which ended when the ring-leaders were prosecuted at the Mixed Court. This licensing has greatly helped the Inspectors in their work. A regular inspection of these shops has been made throughout the year with good results. The shops are now cleaner, the tables and benches regularly washed and scraped and the walls periodically white-washed, so that they now present a marked contrast to their former condition.

*Municipal Slaughter-house.*—As in former years, all meats going from the Slaughter-house have been stamped after inspection. The stamps are as follows:—Beef, circular; Mutton, Pork and Veal, triangular, with the words "KILLED, MUNICIPAL SLAUGHTER-HOUSE." All inferior meats, passed for sale on Stalls only, have been marked "STALLMAN."

The number of animals slaughtered at the Slaughter-house during 1898 was as follows :—

Oxen ...	11,370, of which 32 were rejected.
Sheep ...	20,588 „ 5 „ „
Calves ...	1,747 „ none „ „
Pigs ...	806 „ 2 „ „

Total ... 34,511, a decrease of 188 head on the total for 1897.

The following Slaughter-house fees have been collected :—

Slaughtering Fee ...	\$2,294.05
Branding Fee ...	113.70
Special Permits ...	21.85
Water and Coolie labour to grease-shopmen ...	227.40
Hide dealers and Blood contractor ...	317.16
Proceeds of Confiscations ...	11.99
Licenses ...	403.00

Total ... \$3,389.15, a decrease of \$150.60 on the total for 1897.

*Cattle-sheds.*—The health of the cattle housed at the sheds during 1898 has been good, the shop-butchers have been bringing a better class of animal, but the stall butchers still continue to bring very inferior beasts. This they purposely do to enable them to sell beef cheaply in the open markets. 20 oxen, 19 sheep and 3 calves have been rejected as being in an unfit condition to kill for human food.

11,411 oxen, 21,648 sheep, and 1,747 calves have passed through the sheds for slaughter, and 41 oxen, 1,060 sheep have been inspected and passed out alive for export.

The total amount of Cattle-shed fees collected for 1898 was \$9,990.05 a decrease of \$631.70 on the total for 1897.

*Pah Hsien-jao.*—This district has been frequently visited throughout the year and the native slaughter-houses, dealers' hong's and piggeries around inspected. From these native slaughter-houses 1,003 oxen, 1,937 buffaloes, 244 ponies, 457 sheep have been disposed of as food for natives.



## MILK SUPPLY.

Until recently a large number of licensed native dairies have used creek and native well water for cleaning milking utensils, bottles, etc., and also largely for the purpose of adulterating the milk. As this means the contamination of the milk with the foulest and most dangerous material imaginable and is a frequent source of typhoid fever, it has been the work of this department to make a supply of Waterworks' water a necessary requirement, without which, a license to sell milk within the Settlement cannot be held. Those dairymen without the Waterworks' zone are allowed to lead, in a closed vessel, a fresh supply daily from the nearest Waterworks' stand-pipe.

Though the bacilli of typhoid, cholera, tubercle and diarrhoea may be readily killed by boiling, the public has a right to ask that milk should be supplied which does not contain them. Milk as it is obtained from the udder of the cow is sterile—free from disease, except the cow have tuberculosis, and this can be discovered by the application of the tuberculin test. Hence all diseases, except tuberculosis, are introduced in the process of conveying the milk from the cow to the public, and are necessarily preventable, if clean utensils and dairymen are used and if the milk is not adulterated.

Inasmuch as Buffalo milk is somewhat largely used in Shanghai, especially as an addition to cow's milk, I have made an analysis of it, with a view to comparing its properties with those of cow's milk.

						Buffalo Milk.	Cow Milk.
Specific Gravity	...	...	...	...	...	1.028	1.032
Total Solids	...	...	...	...	...	20.1 %	12.6 %
Fat	...	...	...	...	...	7.5	3.7
Ash	...	...	...	...	...	0.8	0.7
Milk Sugar	...	...	...	...	...	4.2	4.8

In addition to the larger quantity of Fat and Nitrogenous matter which Buffalo milk contains, a most important distinction between the two, and one in favour of Buffalo milk, is the fineness of its curd on precipitation by acids. It can therefore be recommended for infants and invalids. I make this apology for Buffalo milk because it is popularly considered unfit for human food.

Throughout the year many cases of unlicensed dairymen bringing milk for sale within the Settlements have been prosecuted at the Mixed Court, and several dairymen whose milk was proved by analysis to have been badly adulterated were also prosecuted. The fines imposed ranged from \$1.00 to \$100.00.

At present there are 6 foreign and 17 native dairies fully licensed, and about 30 native dairies unlicensed. These unlicensed dairymen, who must have a sale for their dairy produce so as to maintain themselves and cattle, dispose, no doubt, of a certain quantity of their milk to the licensed dairies, but it is almost impossible to detect them. A considerable quantity of milk from these unlicensed dairies, is, however, still being delivered to customers within these Settlements, who purchase it at a cheaper rate than the milk supplied from licensed dairies. The bottles of milk are brought in bags or concealed about the person of the dairy coolie. It is most regrettable that Foreigners should encourage these unlicensed dairymen to evade a Municipal Regulation made solely in the interest of Public Health. In the majority of these unlicensed dairies the cow-house and dwelling-room are both in one, and it is in this place that all domestic and dairy work is carried on. The water supply is generally taken from a filthy creek or a stagnant pond or well, while there is an entire absence of anything approaching cleanliness. Customers should make sure that they are dealing with a licensed dairy by occasionally asking the delivery coolie to produce his license card.

---

## LICENSED NATIVE DAIRIES.

Name of Dairy.	Address.	Number of Cattle.	Water Supply.	Sanitary Condition.
Hung Fei ...	Bubbling Well Rd.	31	Waterworks' water-pipe ...	Good
Sin Kee ...	" " "	12	" " " ...	Fair
Yuen Sung ...	" " "	18	" " " ...	"
Sia Yuen Kee .	Off " Mohawk Road	5	Tank filled " daily at W. W. hydrant	"
Chang Kee ...	Sinza Road ...	33	Waterworks' water-pipe ...	Very good
Soon Sun Chun	" " ...	24	" " " ...	Good
Sui Chun ...	" " ...	12	" " " ...	Fair
S'hai Dairy Co.	Off Carter Road	15	Tank filled daily at hydrant	Very good
Z. Butler ...	" " " ...	28	Waterworks' water-pipe ...	Very good
Nee Shing ...	" " " ...	8	Tank filled daily at hydrant	Fair
Shanghai Dairy	Off Yangtze-poo Rd.	20	" " " "	Very good
Ho Sin Tsi ...	Le Hongkew ...	19	" " " "	Fair
Dong Hing ...	" " ...	16	" " " "	"
Mo Hung Sing }	" " ...	35	" " " "	Good
Mers Marie Roze }	" " ...	35	" " " "	Good
Chang Hong Kee .	Off N. Honan Road	11	" " " "	Fair
Char Mow Zung	French Sicawei Rd.	34	" " " "	"
Hoen Zung Sing	" " " "	20	" " " "	"
Tai Woo Dairy	French Creek ...	41	" " " "	"

## MARKETS.

In August, a classification of stalls was made both in the Hongkew and Lloyd Road Markets. This has enabled more dealers to take advantage of the markets and has helped greatly in the preservation of order and uniformity among the stalls.

Hongkew Market is at present somewhat small for the trade done, and, as an increasing number of foreigners patronize the dealers in the market, Mr. Christie, the Inspector of Dairies and Markets, is of opinion that a plot of ground adjacent to the market could with advantage be acquired for the building thereon of shops on the best sanitary principles for butchers, fish and general dealers. At present, both sides of the North Fohkien Road for a considerable distance are taken up daily by native hawkers; Mr. Christie therefore suggests the necessity for a

Municipal Market for Chinese in this vicinity. All available space in the new Native Market on the Maloo has been fully occupied, at the following rentals :—for general dealers, \$2.50 per month ; for vegetable dealers, 50 cents per month ; small hawkers, free.

*Bakehouses.*—Many of these were found in a deplorably insanitary condition, but much improvement has been subsequently effected.

I am, Gentlemen,

Your obedient servant,

ARTHUR STANLEY, M.D.,

*Health Officer.*

J. WELCH, Esq.

E. A. HEWETT, Esq.

A. P. STOKES, Esq.

---

## REPORT OF THE PUBLIC BAND COMMITTEE.

The Committee beg to submit their Report for the year, also a Statement of Receipts and Expenditure, and Estimate for 1899.

### THE BOARD.

Messrs. JAMES L. SCOTT, *Chairman.*

J. WELCH, *Vice-Chairman.*

B. BUSCHMANN.

S. A. HARDOON.

M. ROHDE.

H. VINAY.

The Committee desire to express great regret at the death of their late Chairman, Mr. GEO. R. CORNER.

Commander VELA returned from leave of absence last November, and his agreement, expiring next February, has been renewed. An Assistant Bandmaster has been engaged on a three years' agreement, and has, so far, given entire satisfaction.

The conduct of the musicians has not been altogether satisfactory. During the year two men absconded and one died.

All of the Bandsmen decline to enter into new agreements, and the Assistant Bandmaster has therefore been sent to Manila to engage 30 new men on a three years' agreement.

The Band played in the Public Garden and in the Garden of the French Consulate-General on 104 occasions.

The Services of the Band for private engagements realized Tls. 3,519.87, an increase over last year of Tls. 96.45.

The Expenditure has amounted to	...	...	Tls. 12,656.48
---------------------------------	-----	-----	----------------

The Receipts from all sources	...	...	,, 5,019.87
-------------------------------	-----	-----	-------------

	...	...	7,636.61
--	-----	-----	----------

Against an estimate of	...	...	Tls. 7,750.00
------------------------	-----	-----	---------------

leaving a small surplus of	...	...	Tls. 113.39
----------------------------	-----	-----	-------------

The usual comparative statement is appended :—

<i>Receipts</i> for 1897	...	Tls. 4,923.42	1898	...	Tls. 5,019.87
<i>Expenditure</i> for 1897	„	12,849.71	1898	...	„ 12,656.48

The Bandmaster's Report, Statement of Receipts and Expenditure for 1898 and Estimate for 1899 are appended.

REPORT TO THE HON. MEMBERS OF THE PUBLIC  
BAND COMMITTEE.

Shanghai, 31st December 1898.

GENTLEMEN,

I have the honour to submit to the Hon. Members of the Public Band Committee the Annual Report of the Band.

Having been absent for eight months, on account of my health, I have only to state that the Band as well as the Orchestra have attended to their duties in a creditable manner. I regret however to inform you that, owing to circumstances over which I have no control, the Musicians must be changed, because they have not accepted the liberal terms which you kindly offered. I am confident however that the Assistant Bandmaster will succeed in procuring a sufficient number of Musicians in Manila to replace the old ones.

Herewith I beg to lay before you a complete statement of all the work done by the Band and by the Orchestra during the year just ended :—

BRASS BAND.

Public Garden, Afternoons	...	...	...	61
do. Evenings	...	...	...	35
French Consulate do.	...	...	...	8
Race Course	...	...	...	9
Volunteer Parades	...	...	...	9
Regatta	...	...	...	3
Cricket Club	...	...	...	20
Flower Show	...	...	...	1
Private services	...	...	...	25

171

## ORCHESTRA.

---

Private services	...	...	...	...	52
With 2, 4, or 8 Musicians	...	...	...	...	83
					<hr/> 135 <hr/>

The following is a summary of the Music played during the year:—

Overtures	...	...	...	...	40
Selections	...	...	...	...	80
Waltzes	...	...	...	...	95
Quadrilles, Polkas, Galops	...	...	...	...	50
Marches	...	...	...	...	80
Unclassed Pieces	...	...	...	...	50
					<hr/> 395 <hr/>

Hoping that you will find that I have done my duty,

I beg to remain,

Gentlemen,

Your most obedient servant,

COMM. MELCHOR VELA.

TO THE HON. MEMBERS OF THE  
TOWN BAND COMMITTEE.

---

STATEMENT OF RECEIPTS AND EXPENDITURE.

*From 1st January to 31st December 1898.*

---

Pay of Secretary	...	...	...	...	...	Tls.	300.00
„ Bandmaster (7 months on half-pay)	...	...	...	...	...	„	1,426.25
„ Assistant Bandmaster and Bandsmen	...	...	...	...	...	„	7,761.30
„ Bandsmen for extra services at private performances	...	...	...	...	...	„	1,077.68
„ Coolie	...	...	...	...	...	„	40.84
Rent of houses for band practice and for the musicians	...	...	...	...	...	„	561.12
Funeral expenses, medicines, Hospital expenses	...	...	...	...	...	„	125.08
Uniforms	...	...	...	...	...	„	177.86
Music, repairs to instruments, violin strings, bows, etc.	...	...	...	...	...	„	339.02
Advertising, stationery, binding music books	...	...	...	...	...	„	111.18
Coal for practice-room and for Bandsmen's houses	...	...	...	...	...	„	141.58
Passage of Assistant Bandmaster	...	...	...	...	...	„	311.95
Jinricsha hire, taxes, fire insurance and miscellaneous charges	...	...	...	...	...	„	282.62
						Taels	12,656.48

*Deduct—*

Contribution from the French Municipal Council...	1,500.00	
Receipts for private services of the Band ...	3,519.87	
		<u>5,019.87</u>
Taels ...	7,636.61	<u><u></u></u>

---



## ESTIMATE FOR 1899.

---

Pay of Secretary ...	...	...	...	...	...	Tls.	300.00
„ Bandmaster ...	...	...	...	...	...	„	2,100.00
„ Assistant Bandmaster and Bandsmen ...	...	...	...	...	...	„	8,380.00
„ Bandsmen for extra services of the Band ...	...	...	...	...	...	„	1,000.00
„ Coolie ...	...	...	...	...	...	„	40.00
Rent of houses for Band Practice and for the Bandsmen	...	...	...	...	...	„	580.00
Coal and hire of Stoves ...	...	...	...	...	...	„	150.00
Music and repairs to musical instruments	...	...	...	...	...	„	150.00
Medicines and Hospital Charges ...	...	...	...	...	...	„	60.00
Fire Insurance ...	...	...	...	...	...	„	45.00
Uniforms ...	...	...	...	...	...	„	250.00
Advertising, stationery and binding music books	...	...	...	...	...	„	100.00
Passages of time-expired Bandsmen to Manila	...	...	...	...	...	„	250.00
„ „ 30 Bandsmen from Manila, and expenses	...	...	...	...	...	„	350.00
of Assistant Bandmaster ...	...	...	...	...	...	„	245.00
Jinricsha hire and miscellaneous charges	...	...	...	...	...	„	245.00
							<hr/>
						Taels ...	14,000.00

*Deduct—*

Contribution from French Municipal Council... Tls. 1,500.00

For private services of the Band ... .. „ 3,500.00

---

5,000.00

---

Taels ... 9,000.00

---

J. A. POND,  
*Secretary,*  
*Public Band Committee.*

---

# REPORT OF THE FIRE COMMISSION.

---

The Fire Commission beg to submit their Report for 1898 together with a Statement of Receipts and Expenditure and Estimate of the Working Expenses for 1899.

## THE BOARD.

---

Mr. A. BOTTU, Secretary of the French Municipal Council, joined the Board on Mr. R. DE MALHERBE's departure from Shanghai.

Messrs. A. McLEOD	... <i>Chairman.</i>
L. MOORE	... <i>Chief Engineer.</i>
J. O. P. BLAND	... <i>Sec., Municipal Council.</i>
A. BOTTU ...	... „ <i>French Municipal Council.</i>

## OFFICERS.

---

The election of Officers for 1899, held on the 28th December, resulted as follows :—

Messrs. L. MOORE	... ..	... <i>Chief Engineer.</i>
P. A. W. OTTOMEIER	...	<i>Second District Engineer.</i>
J. GAILLARD	... Third	„ „

No District Engineer has been elected for the Hongkew Settlement.

## STABLING AND ENGINE-HOUSE FOR NO. 7 COMPANY.

---

The use of a piece of land on the North Soochow Creek foreshore, adjoining the Chapoo Road Bridge, has been obtained for a Fire Station.

An Engine-house and Stables will be erected on the land, and building operations will shortly be commenced.

### PRESENTATION CUPS.

---

The Municipal Council have resolved to grant an annual appropriation of Tls. 200 to be devoted to the purchase of five silver cups, one of which to be presented to that member of each of the Fire Companies who shall have attended the greatest number of fires in the course of twelve months.

It is proposed that the cups be publicly presented to the winners, either after the annual Fire Competition or with the Volunteer Shooting Prizes.

### BLACKSMITHS' SHOP.

---

A considerable amount of work has been carried out under the supervision of the Departmental Engineer, and has proved a profitable source of income.

### FIRE HYDRANTS.

---

Nine hydrants have been erected in the following roads :—

Rifle Range Road	...	...	...	...	...	5
Woosung „	...	...	...	...	...	2
Sinza Road (back Bubbling Well Road)	...	...	...	...	...	2

### PLANT.

---

No new plant has been purchased beyond the usual supply of fire-hose and necessary supplies at a cost of Tls. 1,675.25. 5 hose-reels have been reconstructed at an outlay of Tls. 1,250.

The estimated expenditure recommended for 1899 is Tls. 5,000, for the purchase of hose, materials for uniforms, helmets, harness and ladders.

A powerful steam fire-engine and a fire-escape have been ordered from London, for the cost of which a special appropriation has been made in the Municipal Budget.

### FIRES.

---

Fires have been exceptionally numerous this year. The number of houses destroyed and damaged in the Northern Settlement exceeds any previous year, 292 burnt and 97 damaged.

The total number of fires reported is 120, *viz.* 106 in the English and Hongkew Settlements, 10 in the French Concession and 4 out of limits.

The Fire Department attend<sup>ed</sup> at 55 fires :—

	No. of Fires.	No. of General Alarms.	No. of Houses burnt.
1897 ...	70	20	191
1898 ...	106	45	292
<i>Increase</i>	<u>36</u>	<u>25</u>	<u>101</u>

The usual record of fires will be found on pages 134-139.

#### ACCOUNTS.

The Receipts have been ...	...	...	...	Tls. 19,916.24
The Expenditure (including a Debit balance of Tls. 758.81 from 1897) has amounted to	...	...	...	„ 19,591.38
leaving a Credit balance of ...	...	...	...	<u>Tls. 324.86</u>

The estimate for 1899 is nearly the same as 1898, *viz.* Receipts Tls. 18,900, Expenditure Tls. 19,224, against Receipts Tls. 20,900, Expenditure Tls. 20,150.

## STATEMENT OF RECEIPTS AND EXPENDITURE.

*From 1st January to 31st December 1898.*

## RECEIPTS.

Shanghai Municipal Council, Budget Appropriation ...	Tls.	10,000.00
French Municipal Council, Appropriation ... ..	„	2,500.00
Subscription from the Taotai ... ..	„	400.00
Work for Municipality ... ..	„	6,777.94
Sale of old materials ... ..	„	238.30

Tael ... 19,916.24

## EXPENDITURE.

<i>Balance from 31st December 1897</i> ... ..		758.81
Pay of Secretary ... ..	Tls.	300.00
„ Engineer ... ..	„	2,400.00
„ Engineers, Firemen, and Watchmen ... ..	„	3,410.63
„ Blacksmiths, Fitters, etc. in Blacksmiths' Shop ... ..	„	2,223.73
Rent allowance, Engineer ... ..	„	600.00
„ of land for Fire Station, Hanbury Road... ..	„	300.00
Uniforms and boots ... ..	„	488.64
Fuel and Light ... ..	„	278.99
Printing, stationery and advertising ... ..	„	70.48
Refreshments for Firemen at fires and wages of coolie ..	„	64.80
Cost of coffee-truck ... ..	„	57.00
Forage for ponies, wages of horse-boys and repairs to harness ... ..		2,308.03
Cost of 3 ponies ... ..		125.00
	„	2,433.03
Materials for Blacksmiths' use, and cost of coal ..	„	2,653.98
Repairs to plant ... ..	„	271.86
Subscription to Telephone ... ..	„	55.00
Coolies at fires ... ..	„	153.64
Jinriksha hire, coolies cleaning and drying hose, and miscellaneous charges ... ..	„	145.54
	„	15,907.32
<i>Plant.</i> —Hose, Gongs, etc. ... ..		1,675.25
Reconstructing 5 hose-reels ... ..		1,250.00
	„	2,925.25
		<u>18,832.57</u>
		19,591.38
<i>Balance on hand 31st December 1898</i> ... ..		324.86
	Tael ...	<u>19,916.24</u>

ESTIMATE FOR 1899.

RECEIPTS.

<i>Balance from 31st December 1898</i>	...	...	Tls. 324.86
Shanghai Municipal Council	...	...	Tls. 13,000.00
French Municipal Council	...	..	2,500.00
Subscription from the Taotai	...	..	400.00
Work for Municipality	...	..	3,000.00
			<u>18,900.00</u>
		Taels	<u>19,224.86</u>

EXPENDITURE.

Pay :—Secretary	...	...	...	Tls. 300.00
„ Departmental Engineer	...	...	...	2,400.00
„ Engineers, Firemen, Watchmen...	...	...	...	3,500.00
„ Blacksmiths, fitters, etc. for work-shop	...	...	...	1,600.00
Rent allowance, Departmental Engineer...	...	...	...	600.00
„ of land for Fire Station, Hanbury Road	...	...	...	300.00
Uniforms	...	...	...	650.00
Fuel and Light	...	...	...	250.00
Materials for blacksmiths' shop, and cost of coal	...	...	...	1,000.00
Printing, stationery and advertising	...	...	...	80.00
Refreshments for Firemen, and wages of coolie	...	...	...	70.00
Purchase of Ponies	...	...	...	300.00
Forage for ponies and wages of horse-boys	...	...	...	2,600.00
Coolies at fires	...	...	...	150.00
Repairs to plant	...	...	...	200.00
Jinricsha hire and Sundries	...	...	...	224.86
				<hr/> 14,224.86
Plant.—Delivery-hose, harness, ladders, etc....	...	...	...	5,000.00
				<hr/>
		Taels	...	19,224.86

# SUMMARY OF FIRE RECORD, 1898.

134

Annual Report of the Shanghai Municipal Council, 1898.

Date.	Hour.	Locality.	Cause.	Houses Destroyed.	Houses Damaged.	Damage to Property.	By whom Extinguished.	General Alarm given.
Jan. 4th	9.45 p.m.	604, Yunnan Rd. ...	Unknown	...	...	Trifling	Inmates	No
6th	4.15 a.m.	367, Seward Rd. ...	"	...	...	"	Police and Inmates	No
7th	12.05 a.m.	188, N. Szechuen Rd. ...	Lamp upset	3	...	.....	Fire Brigade	Yes
9th	7.30 p.m.	23, Kiangse Rd. ...	Kitchen chimney	...	...	Trifling	Police	No
16th	5.56 a.m.	246, Foochow Rd. ...	Unknown	9	11	.....	Fire Brigade	Yes
20th	7.30 p.m.	63, N. Honan Rd. ...	Lamp upset	...	...	Trifling	Police and Inmates	No
24th	11.30 p.m.	Li Hongkew ...	Unknown	...	...	Reeds burnt	Fire Brigade	Yes
28th	12.05 a.m.	376, Hankow Rd. ...	Lamp upset	2	3	.....	"	Yes
29th	9.12 p.m.	35, Yunnan Rd. ...	Unknown	18	9	.....	"	Yes
Feb. 4th	3.45 a.m.	694, Canton Rd. ...	Joss-paper	...	...	Trifling	Inmates	No
5th	1.00 p.m.	149, Sih-king-koon-soo Rd. ...	Oil igniting	...	...	"	"	No
9th	8.00 p.m.	473, Nanking Rd. ...	Overheated stove pipe	...	1	"	"	No
13th	3.15 a.m.	Chaoufoong Rd. ...	Unknown	...	...	Mat-shed burnt	Fire Brigade	Yes
15th	12.15 a.m.	64, Kiukiang Rd. ...	Kerosene lamp	...	...	Trifling	Inmates	No
16th	12.35 a.m.	268, Amoy Rd. ...	Waste silk igniting	...	1	.....	Fire Brigade	Yes
16th	2.30 a.m.	298, Honan Rd. ...	Lamp upset	7	1	.....	"	Yes
24th	5.00 a.m.	53, Bubbling Well Rd. ...	Unknown	...	...	Outhouse burnt	"	Yes
March 2nd	11.40 a.m.	506, Nanking Rd. ...	"	...	1	.....	"	Yes
7th	9.16 p.m.	81, Honan Rd. ...	Lamp upset	3	2	.....	"	Yes
11th	10.25 p.m.	46, Broadway ...	"	...	...	Trifling	Inmates	Yes
21st	5.20 a.m.	223, E. Dong-ka-loong ...	"	5	...	.....	Fire Brigade	Yes

# SUMMARY OF FIRE RECORD, 1898—continued.

Date.	Hour.	Locality.	Cause.	Houses Destroyed.	Houses Damaged.	Damage to Property.	By whom Extinguished.	General Alarm given.
Mar. 22nd	4.20 a.m.	18, Foochow Rd. ...	Unknown	...	...	Trifling	Inmates	No
24th	2.30 p.m.	Laou Kung Mow Cotton Mills, Yangtze-poo Rd.	Accident to machinery	...	...	Tls. 3,000	Patent Sprinklers and Employés	No
April 2nd	8.30 a.m.	821, Woochang Rd. ...	Cinders falling	...	...	Trifling	Police and Inmates	No
4th	10.57 p.m.	74, Szechuen Rd. ...	Unknown	1	...	.....	Fire Brigade	Yes
7th	8.26 p.m.	58, Wuhu Rd. ...	Lamp upset	...	...	.....	"	Yes
15th	10.45 p.m.	342, Tiendong Rd. ...	Lighted paper	...	...	Trifling	Inmates	No
15th	7.10 a.m.	205, Kiukiang Rd. ...	Straw igniting	1	3	.....	Fire Brigade	Yes
27th	10.50 p.m.	1, Broadway ...	Unknown	...	...	Trifling	Police and others	No
May 4th	6.47 p.m.	257, Hankow Rd. ...	"	3	...	.....	Fire Brigade	Yes
5th	7.30 p.m.	Swimming Bath ...	"	...	...	.....	"	Yes
6th	8.50 p.m.	Tea-shop, Foochow Rd. .	Lamp bursting	...	...	Trifling	"	Yes
12th	1.05 p.m.	1, Sungkiang Rd. ...	Cooking stove overheating	...	...	Trifling	Occupants	No
19th	3.20 a.m.	18, Minghong Rd. ...	Unknown	...	...	Trifling	Police and Inmates	No
25th	2.15 p.m.	299, North Szechuen Rd.	Cinders falling	...	...	Trifling	Inmates	No
25th	12 noon	Ewo C.S.W. Co., Yang-tsze-poo Rd.	Spontaneous Combustion	...	...	\$600.00	Patent Sprinklers and Employés	No
June 3rd	12.30 a.m.	305, Tientsin Rd. ...	Lamp upset	2	...	.....	Fire Brigade	Yes
5th	8.20 p.m.	313, Tiendong Rd. ...	Fire setting to mos. cur.	...	...	Trifling	Occupants	No
6th	8.47 p.m.	536, Hanbury Rd. ...	Lamp upset	6	...	.....	Fire Brigade	Yes
11th	3.50 a.m.	618, Hwakee Rd. ...	"	2	...	.....	"	Yes
18th	1.25 a.m.	800, Fukien Rd. ...	Unknown	16	4	.....	"	Yes



# SUMMARY OF FIRE RECORD, 1898—continued.

136

Annual Report of the Shanghai Municipal Council, 1898.

Date.	Hour.	Locality.	Cause.	Houses Destroyed.	Houses Damaged.	Damage to Property.	By whom Extinguished	General Alarm given.
June 22nd	12.15 p.m.	251, Chili Rd. ...	Foul chimney	...	...	Trifling	Inmates	No
23rd	11.20 p.m.	311, Yunnan Rd. ...	Kerosene lamp	...	...	"	"	No
July 1st	2.50 a.m.	455, Honan Rd. ...	Unknown	...	...	"	"	No
5th	12 noon	581, North Soochow Rd.	Cooking stove	...	...	Trifling	"	No
12th	9 p.m.	16, Pekin Rd. ...	Joss stick & paper	...	...	"	"	No
13th	12 noon	227, Shantung Rd. ...	Paper igniting	2	6	"	Fire Brigade	Yes
14th	9.35 p.m.	232, Honan Rd. ...	Unknown	...	...	Trifling	Occupants	No
16th	3 a.m.	488, Fukien Rd. ...	Lamp upset	...	...	"	Inmates	No
18th	8.20 a.m.	19, Sze-gee-ka-ka ...	"	...	...	"	"	Yes
19th	7.35 p.m.	Chang Garden ...	Unknown	...	...	"	Native Employés	Yes
21st	2.30 p.m.	Laou Kung Mow Cotton Spinning & Weaving Co.	Accident to machinery	...	...	"	Employés	No
27th	10.30 p.m.	111, Pekin Rd. ...	Flame of lamp	...	...	"	Inmates	No
30th	1.30 a.m.	1, Taiping Rd. ...	Unknown	...	...	"	"	No
31st	3.30 p.m.	245, Chili Rd. ...	Joss-candles	...	...	"	"	No
Aug. 7th	3.25 a.m.	121, Hankow Rd. ...	Unknown	4	3	"	Fire Brigade	Yes
13th	9.30 p.m.	Wuhu Road Theatre	Cooking stove	...	...	Trifling	Watchman	No
25th	2.45 a.m.	454/5, Foochow Rd. ...	Fat catching fire	4	3	"	Fire Brigade	Yes
28th	1.30 a.m.	244, Yuenfong Rd. ...	Lamp upset	...	...	Trifling	Inmates	No
28th	3 a.m.	454, Honan Rd. ...	Unknown	...	...	"	"	No
Sept. 16th	11.40 p.m.	158, Shanse Rd. ...	Incendiarism	12	2	"	Fire Brigade	Yes

# SUMMARY OF FIRE RECORD, 1898—continued.

Date.	Hour.	Locality.	Cause.	Houses Destroyed.	Houses Damaged.	Damage to Property.	By whom Extinguished	General Alarm given.
Oct.	4th	4.20 a.m.	11, Fug-wo-ka ...	...	...	Trifling	Inmates	No
	9th	12.35 a.m.	415, Shanse Rd. ...	...	...	"	Police and Inmates	No
	9th	1.30 a.m.	North Szechuen Rd.	4	...	.....	Fire Brigade	Yes
	10th	4 a.m.	2801, Seward Rd.	...	...	Trifling	Inmates	No
	10th	2.30 p.m.	86, Chapoo Rd.	...	...	"	"	No
	10th	7.19 p.m.	Szechuen Rd. ...	1	...	.....	Fire Brigade	Yes
	12th	9.23 p.m.	70, Woo-foo-long	1	2	.....	"	Yes
	13th	8 p.m.	60, Hongkong Rd.	12	3	.....	"	Yes
	20th	7.45 p.m.	693, Woochang Rd.	...	...	Trifling	Inmates	No
	24th	4.35 p.m.	249, Canton Rd.	109	8	.....	Fire Brigade	Yes
Nov.	1st	5.30 a.m.	1298, Broadway	...	...	Trifling	Police and Inmates	No
	1st	8.30 a.m.	42, Chapoo Rd.	...	...	"	Inmates	No
	3rd	3 a.m.	Yah Loong C. S. Co.	...	...	"	Police and Employés	No
			Yangtze-poo Rd.					
	4th	6.45 p.m.	1, Shantung Rd.	13	11	.....	Fire Brigade	Yes
	9th	3.15 p.m.	Ewo C. S. & W. Co.,	...	...	.....	Patent Sprinklers	No
			Yangtze-poo Rd.				and Employés	
	10th	6.20 p.m.	78, Shantung Rd.	...	...	Trifling	Inmates	No
	17th	5 a.m.	1061, Boone Rd.	...	...	"	Police and Inmates	No
	18th	7 p.m.	990, Miller Rd.	...	...	"	Inmates	No
	20th	4.15 a.m.	241, Foochow Rd.	...	...	"	Police and Inmates	Yes
	24th	5 p.m.	139, North Honan Rd.	...	...	"	Inmates	No

# SUMMARY OF FIRE RECORD, 1898--continued.

138

Annual Report of the Shanghai Municipal Council, 1898.

Date.	Hour.	Locality.	Cause.	Houses Destroyed.	Houses Damaged.	Damage to Property.	By whom Extinguished.	General Alarm given.
Nov. 24th	2.30 p.m.	Ewo C. S. W. Co. ..	Friction in machinery.	...	...	{ A quantity of cot. Tls, 2,000	Patent Sprinklers and Employés	No
25th	1.00 a.m.	Do. ...	Cotton igniting	...	...		Employés	No
26th	6.15 p.m.	14, Nanking Rd. ...	Overheated stove	1	1		Fire Brigade	Yes
26th	6.30 p.m.	246, Hankow Rd. ...	Lamp upset	8	8	...	"	Yes
28th	8.43 p.m.	9, Old China St. ...	Lighted match	...	...	Trifling	Inmates	No
Dec. 4th	6.30 p.m.	Hanbury Rd. ...	Unknown	...	...	"	Fire Brigade	Yes
4th	5.45 p.m.	454, Dong-kah-loong ...	Lighted match	...	...	"	Inmates	No
6th	12.18 a.m.	59, Szechuen Rd. ...	Lamp upset	2	1	...	Fire Brigade	Yes
6th	12.00 midnight	Ewo Cotton Mills, Yang- tsze-poo Rd. ...	Friction in machinery.	...	...	Trifling	Patent Sprinklers and Employés	No
7th	1.20 p.m.	201, 202, 203, Y'poo Rd. ...	Cooking stove	3	3	...	Police and Employés	No
10th	7.45 p.m.	763, East Dong-ka-loong ...	"	5	4	...	Fire Brigade	Yes
11th	4.45 a.m.	80, Amoy Rd. ...	Defective chimney	...	...	Trifling	Inmates	No
11th	7.00 p.m.	321, Seward Rd. ...	Lamp upset	...	...	"	"	No
12th	4.00 a.m.	802-5, Fuhkien Rd. ...	Incendiarism	8	1	...	Fire Brigade	Yes
12th	4.00 a.m.	27-28, Pakhoi Rd. ...	Joss-paper	...	...	Trifling	Inmates	No
12th	7.00 p.m.	335, Hankow Rd. ...	Feathers igniting	...	...	"	"	No
12th	4.45 a.m.	112, N. Szechuen Rd. ...	Cooking stove	...	...	"	"	No
13th	10.30 a.m.	4, Woosung Rd. ...	Unknown	...	...	"	Police and Inmates	No
15th	1.30 a.m.	Central Stables ...	"	...	...	Some bedding	Inmates	No
18th	11.45 a.m.	1289, Peking Rd. ...	Overheated stove	...	...	Trifling	...	No

# SUMMARY OF FIRE RECORD, 1898—continued.

Date.	Hour.	Locality.	Cause.	Houses Destroyed.	Houses Damaged.	Damage to Property.	By whom Extinguished.	General Alarm given.
Dec. 22nd	5.45 p.m.	28, E. Dong-ka-loong Rd.	Lamp upset	4	6	...	Fire Brigade	Yes
23rd	8.20 p.m.	304-5, Fuhkien Rd. ...	Overheated stove	...	...	Trifling	Inmates	No
25th	12.15 a.m.	141, Amoy Rd. ...	Unknown	21	4	...	Fire Brigade	Yes
26th	8.10 p.m.	342, Canton Rd. ...	Lamp upset	...	...	Trifling	Inmates	No
27th	4.15 p.m.	Yah-Loong C. S. Co. ...	Friction in machinery	...	...	...	Patent Sprinklers and Employés	No
Total Number of Fires ...								106
General Alarms given ...								45
False " " ...								2
Fires in French Concession ...								4
" out of limits ...								2
Number of Houses Destroyed ...								292
" " " Damaged ...								97

J. A. POND,  
Secretary,  
Fire Commission.

## FINANCE MATTERS.

---

### OVERSEER OF TAXES' REPORT.

---

The amount received for native licence fees exceeds the Budget estimate by Tls. 1,617.53, owing in a great measure to the high rate of exchange ruling during the year for dollars, in which currency the fees are principally paid.

There has been a considerable decrease in most of the fees during the last four or five months of the year, caused by a falling-off in business, and through a number of people sending their families away from Shanghai owing to want of work and high price of food, rent, etc.

The total fees collected amount to Tls. 200,177.53, against Tls. 175,221.97 last year, an increase of Tls. 24,955.56, of which, however, the greater portion is due to the higher rate of the fees authorised at the last Annual Meeting of Ratepayers on livery, opium, wine, theatre, and pork butchers' shops and stalls.

*Opium-shops.*—At the Annual Meeting of Ratepayers it was decided that all shops and stores for the sale of raw or prepared intoxicating drugs should pay a licence fee from \$1.50 to \$5.00 per month according to class, but owing to a representation made by the wholesale dealers of raw opium, that the resolution passed at the meeting did not cover their business, no licence fee has been levied on them, and as in making up the estimate for 1898 the license fees from these dealers were included, there is consequently a deficit on the Budget estimate in these fees.

For the last few months there has been a continual decrease in opium-shops, due principally to the removal to Hangchow and Soochow of a number of shops of a certain class which experienced a lack of patronage here. 17,939 shops have been licensed during the year, or an average of 1,495 per month, against 18,121, or 1,510 per month, last year, and the fees amount to Tls. 50,324.81, against Tls. 47,179.59 in 1897.

*Pawn-shops.*—There is a small decrease in the number of these shops, compared with last year, caused through several having been burnt out at the fires in Fohkien and Canton Roads, but the fees amount to Tls. 7,879.79, against Tls. 7,611.04 last year, an increase of Tls. 268.75.

The following is the return of licenses issued for each quarter during the year, against those for 1897 :—

1st Quarter : 119, against 115 last year.				
2nd	„	117,	„	115 „
3rd	„	112,	„	119 „
4th	„	110,	„	116 „
		<hr/>		<hr/>
		458		465
		<hr/>		<hr/>

*Tea-shops.*—There is a small increase in the number of these shops as compared with last year, 4,624, or 385 per month, having been licensed, against 4,502, or 375 per month in 1897, and the license fees amount to Tls. 4,756.79, against Tls. 4,418.97.

*Livery Stables.*—The number of licensed carriages and ponies is steadily decreasing; several large establishments have closed through bad business and removed to outports. In January last the numbers were 817 ponies and 641 carriages, whilst in December there were only 587 ponies and 449 carriages. For the year, 8,409 ponies, or 701 per month, have been licensed, against 8,650, or 721 per month, last year, and of carriages, 6,515, or 543 per month, against 6,815, or 568 per month, in 1897; the fees collected amount to Tls. 22,034.83, against Tls. 13,835.04, an increase in fees of Tls. 8,199.79 through the higher rates charged since 1st April last.

During the year a number of stable-keepers have been summoned before the Mixed Court, and in nearly every instance heavily fined for keeping their stables in an insanitary condition, more particularly due to defective drainage, which their landlords declined to remedy.

With very few exceptions the licensed carriages are in good order and condition, and the ponies free from infectious diseases. Nearly all the stable-keepers object to having the license-plate fixed in a conspicuous place on the carriage, asserting that it interferes with their business,

foreigners specially objecting to hire a carriage with a license-plate attached.

*Jinricshas* have increased considerably in number, but not to such an extent as was anticipated at the beginning of the year. The ricssha owners complain that the increased numbers of private and public bicycles have greatly injured their business.

During the year 51,700 jinricshas have been licensed, or an average of 4,308 per month, against 48,888, or 4,074 per month, last year, and the fees amount to Tls. 57,410.17, against Tls. 54,094.88 in 1897.

*Wheel-barrows.*—Owing to there having been but little filling-up of ground for building purposes, and a considerable falling-off in the number of workpeople employed at the Mills and Filatures, owing also to the increased license fees levied in this Settlement, the French Settlement and the New Chinese Bund (amounting in all to about 1,500 cash each barrow per month), there has been a considerable decrease in the number this year: 52,546 have been licensed, or 4,379 per month, as against 57,056, or 4,755 per month, last year, and the fees collected amount to Tls. 26,716.36, against Tls. 23,037.57.

*Carts, etc.*—There is a slight decrease in the number of Carts licensed this year, but the fees received are considerably in excess of last year's, owing to the higher rates charged.

The following is the return of the number of licenses issued:—

Pony Carts or Waggon's, average 37 per month @ \$2.50	} against
Hand Carts                    "                    318                    "                    2.00	
last year, and the total fees collected amount to Tls. 6,032.26, against Tls. 4,751.60 in 1897.	

*Water-carts.*—There is again a decrease in the number of these objectionable vehicles, 150, or an average of 12 per month, having been licensed, as against 191, or 16 per month, last year. The fees amount to Tls. 222.06, against Tls. 281.66.

*Cargo-boats, Sampans, etc.*—Foreign Cargo-boats and Sampans have increased in number, but Native Cargo and Passenger Boats have decreased, owing to the competition of steam-launches and also to the fact that a number of the up-country boats now stop just outside Municipal limits to avoid taxation.

The following return shows the number of boats of each class licensed during the year and the amount of fees received as compared with those of last year :—

Cargo-boats, Foreign ...	648,	Tls. 1,309.50,	against 526,	Tls. 1,041.65	last year.
" Native ...	8,503,	" 3,685.78,	" 8,529,	" 3,693.75	"
Passenger-boats, etc. ...	17,957,	" 4,327.74,	" 20,639,	" 4,864.25	"
Sampans ...	2,309,	" 1,694.41,	" 2,294,	" 1,680.01	"
		<u>Tls. 11,017.43</u>		<u>Tls. 11,279.66</u>	

*Steam-launches.*—There is considerable increase in the average number of launches licensed each month this year as compared with the five months of last year when their licensing was first introduced, but not in such proportion as might be anticipated from the number of launches moored in the Soochow Creek; a great number of the latter are however laid up or only used occasionally, and no license fees are levied on a launch unless it makes use of the jetties.

The number licensed for the year is 774, or 65 per month, against 45 per month last year from 1st August to 31st December, and the fees collected amount to Tls. 1,299.20, against Tls. 385.10 in 1897.

*Liquor-sellers, Foreign and Native.*—The following is the return of each class licensed during the year and the fees collected :—

	Average No. per quarter.	Fees.			
Foreign Hotels and Taverns...	7,	Tls. 1,029.11,	against 7,	Tls. 998.42	last year.
Native Storekeepers ...	19,	" 2,245.04,	" 18,	" 2,135.97	"
" Restaurants ...	15,	" 435.00,	" 16,	" 399.00	"
" Wine-shops, etc. ...	461,	" 4,591.52,	" 421,	" 3,134.60	"
		<u>Tls. 8,300.67</u>		<u>Tls. 6,667.99</u>	

showing an increase of Tls. 1,632.68, largely derived from higher fees and from Native medicine-shops selling wine which were not previously licensed.

*Theatres, Foreign and Native.*—The number of Theatres, etc. remains much the same, but in consequence of the higher scale of fees the amount collected is more than double that of 1897.



There are now 22 Native Theatres and Sing-song Houses in the Settlement, nearly all situated in or off the Foochow road, and the fees for both Foreign and Native theatricals amount to Tls. 2,029.96, against Tls. 897.47 last year.

*Billiard Tables and Bowling Alleys.*—There are now 14 licensed Billiard Tables and 2 Bowling Alleys, the latter used by Chinese, and the fees amount to Tls. 132.52, against Tls. 123.64 last year.

*Beef and Pork Butchers' Shops and Stalls.*—The native butchers'-shops which supply Foreigners with meat remain the same as last year, but in the Stalls there is a slight increase in number.

Butchers' shops and stalls dealing in fresh pork were all licensed from the 1st January last, the figures being 1,972, or an average of 164 per month. The total fees collected from the beef and pork butchers amount to Tls. 2,020.68, as against Tls. 278.16 last year.

The following Returns are appended :—

Summary of Foreign and Native General Municipal Rate.

Summary of Native Houses, Assessments, etc.

Foreign Houses upon which the Assessments have been increased.

Foreign Houses upon which the Assessments have been reduced.

New Foreign Houses Assessed.

Foreign Houses not previously Assessed.

A. JOHNSFORD,  
*Overseer of Taxes.*

---

## SUMMARY OF GENERAL MUNICIPAL RATE.

GENERAL MUNICIPAL RATE.—FOREIGN. <i>December Quarter, 1897.</i>							GENERAL MUNICIPAL RATE.—NATIVE. <i>December Quarter, 1897.</i>						
	No. of Houses 1896.	Rental Assessment 1896.	No. of Houses 1897.	Rental Assessment 1897.	Increase, Houses.	Increase, Assessment.		No. of Houses 1896.	Rental Assessment 1896.	No. of Houses 1897.	Rental Assessment 1897.	Increase, Houses.	Increase, Assessment.
		Tls.		Tls.		Tls.			\$		\$		\$
English Settlement }	473	480,488	478	543,321	5	62,833	English Settlement }	14,091	1,710,438	13,854	1,898,136	*237	187,698
Hongkew Settlement }	607	271,652	600	333,694	53	62,042	Hongkew Settlement }	17,717	832,983	19,234	1,098,067	1517	265,084
Total..	1,080	752,140	1,138	877,015	58	124,875	Total..	31,808	2,543,421	33,088	2,996,203	1280	452,782
Occupied by } Foreigners }	956	...	1,005	...	49	...	Occupied by } Foreigners }	567	58,637	689	78,543	122	19,906
Occupied by } Natives }	114	...	116	...	2	...	Occupied by } Natives }	30,753	2,422,620	31,545	2,841,596	792	418,976
Unoccupied ...	10	...	17	...	7	...	Unoccupied ...	488	62,164	854	76,064	366	13,900
Total Assessment }	...	752,140	...	877,015	...	124,875	Total Assessment }	...	2,543,421	...	2,996,203	...	452,782
Tax Collected @ 8%.	...	14,713	...	17,252	...	2,539	Tax Colltd. @ 10% English Settlement	...	41,656	...	46,521	...	4,865
							H'kew Settlement	...	20,124	...	26,123	...	5,999
							Total ..	...	61,780	...	72,64	...	10,864

\* Decrease.

# SUMMARY OF GENERAL MUNICIPAL RATE.

GENERAL MUNICIPAL RATE.—FOREIGN. <i>March Quarter, 1898.</i>							GENERAL MUNICIPAL RATE.—NATIVE. <i>March Quarter, 1898.</i>						
	No. of Houses 1897.	Rental Assessment 1897.	No. of Houses 1898.	Rental Assessment 1898.	Increase, Houses.	Increase, Assess- ment.		No. of Houses 1897.	Rental Assessment 1897.	No. of Houses 1898.	Rental Assessment 1898.	Increase, Houses.	Increase, Assess- ment.
		Tls.		Tls.		Tls.			\$		\$		\$
English Settlement }	479	533,099	479	568,252	...	35,153	English Settlement }	14,060	1,749,563	13,857	2,142,279	*203	392,716
Hongkew Settlement }	626	295,404	684	356,967	58	61,563	Hongkew Settlement }	17,843	863,079	19,770	1,156,915	1927	293,836
Total...	1,105	828,503	1,163	925,219	58	96,716	Total...	31,903	2,612,642	33,627	3,299,194	1724	686,552
Occupied by } Foreigners }	980	...	1,024	...	44	...	Occupied by } Foreigners }	628	62,686	702	83,914	74	21,228
Occupied by } Natives }	115	...	119	...	4	...	Occupied by } Natives }	30,687	2,486,569	31,568	3,082,053	881	595,484
Unoccupied ...	10	...	20	...	10	...	Unoccupied ...	588	63,387	1,357	133,227	769	69,840
Total Assessment }	...	828,503	...	925,219	...	96,716	Total Assessment }	...	2,612,642	...	3,299,194	...	686,552
Tax Collected 1897	...	16,027	...	22,363	...	6,336	Tax Colld. @ 10% English Settlement	...	42,618	...	51,862	...	9,244
8% 1898 10%	...	...	...	...	...	...	H'kew Settlement	...	20,841	...	26,973	...	6,132
							Total ..	...	63,459	...	78,835	...	15,376

\* Decrease,

# SUMMARY OF GENERAL MUNICIPAL RATE.

SUMMARY OF GENERAL MUNICIPAL RATE.—FOREIGN. <i>June Quarter, 1898.</i>							SUMMARY OF GENERAL MUNICIPAL RATE.—NATIVE. <i>June Quarter, 1898.</i>						
	No. of Houses 1897.	Rental Assessment 1897.	No. of Houses 1898.	Rental Assessment 1898.	Increase, Houses.	Increase, Assess- ment.		No. of Houses 1897.	Rental Assessment 1897.	No. of Houses 1898.	Rental Assessment 1898.	Increase, Houses.	Increase, Assess- ment.
English Settlement } Hongkew Settlement }	476 647	Tls. 534,459 322,628	479 689	Tls. 534,718 361,642	3 42	Tls. 50,259 39,014	English Settlement } Hongkew Settlement }	14,028 17,899	\$ 1,850,297 938,781	13,823 19,764	\$ 2,163,685 1,168,548	*205 1865	\$ 313,388 229,767
Total...	1,123	857,087	1,168	946,360	45	89,273	Total...	31,927	2,789,078	33,587	3,332,233	1660	543,155
Occupied by } Foreigners }	1,003	...	1,022	...	19	...	Occupied by } Foreigners }	640	64,783	634	78,184	*6	13,401
Occupied by } Natives }	113	...	124	...	11	...	Occupied by } Natives }	30,844	2,636,146	31,602	3,086,904	758	450,758
Unoccupied ...	7	...	22	...	15	...	Unoccupied ...	443	88,149	1,351	167,145	908	78,996
Total } Assessment }	...	857,087	...	946,360	...	89,273	Total } Assessment }	...	2,789,078	...	3,332,233	...	543,155
Tax Collected	...	16,731	...	22,871	...	6,140	Tax Colld. at 10% English Settlement	...	44,414	...	51,828	...	7,414
							H'kew Settlement	...	22,792	...	27,345	...	4,553
							Total ...	...	67,206	...	79,173	...	11,967

\* Decrease.

## SUMMARY OF GENERAL MUNICIPAL RATE.

GENERAL MUNICIPAL RATE.—FOREIGN. <i>September Quarter, 1898.</i>							GENERAL MUNICIPAL RATE.—NATIVE. <i>September Quarter, 1898.</i>						
	No. of Houses 1897.	Rental Assessment 1897.	No. of Houses 1898.	Rental Assessment 1898.	Increase, Houses.	Increase, Assess- ment.		No. of Houses 1897.	Rental Assessment 1897.	No. of Houses 1898.	Rental Assessment 1898.	Increase, Houses.	Increase, Assess- ment.
English Settlement {	473	Tls. 534,205	482	Tls. 605,778	9	Tls. 71,573	English Settlement {	13,931	\$ 1,873,918	13,821	\$ 2,192,459	*110	\$ 318,541
Hongkew Settlement {	651	327,348	700	383,854	49	56,506	Hongkew Settlement {	18,219	990,303	20,126	1,188,847	1907	198,544
Total...	1,124	861,553	1,182	989,632	58	128,079	Total...	32,150	2,864,221	33,947	3,381,306	1797	517,085
Occupied by Foreigners {	1,004	...	1,046	...	42	...	Occupied by Foreigners {	651	73,945	644	82,350	*7	8,405
Occupied by Natives {	114	...	124	...	10	...	Occupied by Natives {	31,191	2,725,676	31,831	3,127,401	640	401,725
Unoccupied ...	6	...	12	...	6	...	Unoccupied ...	308	64,600	1,472	171,555	1164	106,955
Total Assessment }	...	861,553	...	989,632	...	128,079	Total Assessment }	32,150	2,864,221	33,947	3,381,306	1797	517,085
Tax Collected @ 8%.	...	16,960	...	24,064	...	7,104	Tax Colld. @ 10%.	...	45,596	...	52,424	...	6,828
							English Settlement	...	24,043	...	27,877	...	3,834
							H'kew Settlement	...		...		...	
							Total ...	...	69,639	...	80,301	...	10,662

\* Decrease.

# GENERAL MUNICIPAL RATE—NATIVE.

## COMPARATIVE STATEMENT, 1898.

					AVERAGE 1896	against	AVERAGE 1897.	
					Assessment per House.	Rate per House.	Assessment per House.	Rate per House.
					\$	\$	\$	\$
DECEMBER QUARTER.								
English Settlement	...	...	...	...	121.38	3.03	137.01	3.42
Hongkew „	...	...	...	...	47.02	1.18	57.10	1.43
			Total	...	79.96	2.00	90.55	2.26
					1897	against	1898	
MARCH QUARTER.								
English Settlement	...	...	...	...	124.43	3.11	154.60	3.86
Hongkew „	...	...	...	...	48.37	1.21	58.52	1.46
			Total	...	81.89	2.05	98.11	2.45
JUNE QUARTER.								
English Settlement	...	...	...	...	131.90	3.29	156.71	3.92
Hongkew „	...	...	...	...	52.45	1.22	59.12	1.48
			Total	...	87.36	2.18	99.21	2.48
SEPTEMBER QUARTER.								
English Settlement	...	...	...	...	134.51	3.36	158.63	3.97
Hongkew „	...	...	...	...	54.36	1.36	59.07	1.48
			Total	...	89.09	2.23	99.60	2.49

## SUMMARY OF NATIVE HOUSE

	DECEMBER QUARTER 1897.				MARCH QUARTER 1898.			
	Houses.		Assessment.		Houses.		Assessment.	
Brought forward from previous quarter ...	...	32,150	...	\$ 2,864,221	...	33,088	...	\$ 2,996,203
New houses assessed...	920	...	50,658	...	639	...	33,590	...
Houses rebuilt and re-assessed ...	280	...	32,498	...	267	...	56,918	...
Transferred from Foreign Rate ...	1	...	3,200	...	1	...	2,400	...
Sundry increases in Assessments ...	...	1,201	69,538	155,894	...	907	244,734	337,642
Less—		33,351		3,020,115		33,995		3,333,845
Houses pulled down...	261	...	16,246	...	360	...	21,096	...
Transferred to Foreign Rate ...	2	...	440	...	8	...	3,066	...
Sundry decreases in Assessments ...	...	263	7,226	23,912	...	368	10,489	34,651
Totals ...	...	33,088	...	2,996,203	...	33,627	...	3,299,194
Increase over previous quarter ...	...	938	...	131,982	...	519	...	302,991
Decrease over previous quarter ...	...	...	...	...	...	...	...	...

  

	English Settlement.	Hongkew Settlement.	Total.	English Settlement.	Hongkew Settlement.	Total.
Number of houses occupied by Natives...	13,650	17,895	31,545	13,562	18,006	31,568
Number of houses occupied by Foreigners	116	573	689	113	589	702
Number of houses unoccupied ...	88	766	854	182	1,175	1,357
Total number of houses	13,854	19,234	33,088	13,857	19,770	33,627
	\$	\$	\$	\$	\$	\$
Total Assessments ...	1,898,136	1,098,067	2,996,203	2,142,279	1,156,915	3,299,194
Tax collected from Natives ...	45,920	25,168	71,088	51,204	25,973	77,177
Tax collected from Foreigners ...	601	955	1,556	658	1,000	1,658
Total Tax collected ...	46,521	26,123	72,644	51,862	26,973	78,835
Rate on unoccupied houses ...	794	1,107	1,901	1,625	1,705	3,330
Average Assessment per house ...	137.01	57.10	90.55	154.60	58.52	98.11
Average Rate per house	3.42	1.43	2.26	3.86	1.46	2.45
Average unoccupied houses ...	$\frac{6}{10}\%$	4%	$2\frac{6}{10}\%$	$1\frac{3}{10}\%$	$5\frac{2}{10}\%$	4%

## ASSESSMENTS, ETC. FOR THE YEAR ENDING 30TH SEPTEMBER 1898.

JUNE QUARTER 1898.				SEPTEMBER QUARTER 1898.				TOTAL FOR THE YEAR.			
Houses.		Assessment.		Houses.		Assessment.		Houses.		Assessment.	
...	33,627	...	\$ 3,299,194	...	33,587	...	\$ 3,332,233	...	32,150	...	\$ 2,864,221
184	...	13,464	...	264	...	25,080	...	2,007	...	122,792	...
285	...	55,868	...	332	...	48,063	...	1,164	...	193,347	...
4	...	3,120	...	2	...	1,300	...	8	...	10,020	...
...	473	6,899	79,351	...	598	6,065	80,508	...	3,179	327,236	653,395
512	34,100	...	3,378,545	...	34,185	...	3,412,741	...	35,329	...	3,517,616
...	...	35,513	...	235	...	14,708	...	1,368	...	87,563	...
1	...	1,800	...	3	...	10,723	...	14	...	16,029	...
...	513	8,999	46,312	...	238	6,004	31,435	...	1,382	32,718	136,310
...	33,587	...	3,332,233	...	33,947	...	3,381,306	...	33,947	...	3,381,306
...	...	...	33,039	...	360	...	49,073	...	1,797	...	517,085
...	40	...	...	...	...	...	...	...	...	...	...

English Settlement.	Hongkew Settlement.	Total.	English Settlement.	Hongkew Settlement.	Total.	AVERAGE PER QUARTER FOR THE YEAR.		
						English Settlement.	Hongkew Settlement.	Total.
13,420	18,182	31,602	13,426	18,405	31,831	13,514	18,122	31,636
112	522	634	119	525	644	115	552	667
291	1,060	1,351	276	1,196	1,472	209	1,049	1,258
13,823	19,764	33,587	13,821	20,126	33,947	13,838	19,723	33,561
\$	\$	\$	\$	\$	\$	\$	\$	\$
2,163,685	1,168,548	3,332,233	2,192,459	1,188,847	3,381,306	2,099,139	1,153,094	3,252,234
51,072	26,147	77,219	51,662	26,623	78,285	49,965	25,977	75,942
756	1,198	1,954	762	1,254	2,016	694	1,102	1,796
51,828	27,345	79,173	52,424	27,877	80,301	50,659	27,079	77,738
2,322	1,857	4,179	2,438	1,851	4,289	1,795	1,630	3,425
156.71	59.12	99.21	158.63	59.07	99.60	151.74	58.45	96.87
3.92	1.48	2.48	3.97	1.48	2.49	3.79	1.46	2.42
2 $\frac{1}{10}$ %	5 $\frac{4}{10}$ %	4 %	2 %	5 $\frac{9}{10}$ %	4 $\frac{3}{10}$ %	1 $\frac{5}{10}$ %	5 $\frac{3}{10}$ %	3 $\frac{8}{10}$ %



*Foreign Houses upon which the Assessments have been increased during the  
year 1898 under Resolution passed at Ratepayers' Meeting,  
6th March 1877.*

No. of House.	Road.	Name of Occupant.	Assessment.	Increased to	Remarks.
			Tls.	Tls.	
6	Amoy	... S. Emamooddeen ...	1,080	2,000	
9	"	... American Trading Co. ...	1,670	1,680	
11	"	... Kung Lun Steam Silk Filature ...	600	800	
4	The Bund	... Various ...	7,000	9,600	
part of 22	"	... " ...	4,800	5,400	
30	"	... Masonic Hall ...	2,000	3,500	partly rebuilt
2	Canton	... Paul Brunat ...	1,800	1,920	
2A & 5	"	... China Export & Import Bank Co. ...	1,260	1,920	
6	"	... Various ...	3,420	3,720	
8	"	... " ...	3,000	3,380	
9	"	... " ...	540	780	
13A	"	... Louis Spitzel & Co. ...	1,800	4,500	rebuilt.
15	"	... Greaves & Co. ...	2,000	2,600	
17	"	... Miss V. Deady Keane ...	540	900	
1	Chefoo	... D. Benjamin ...	216	225	
2/7	"	... Various ...	216	250	each.
8/9, 11/12	"	... " ...	54	72	each.
10	"	... G. W. Horton ...	70	90	
5	Foochow	... H. Sylva & Co. ...	1,200	1,500	
7	"	... Various ...	2,880	3,120	
8	"	... E. Hey ...	540	900	
10	"	... J. A. Harvie ...	360	600	
11	"	... Sze Yuen Ming ...	400	660	
16	"	... L. J. V. Collaço ...	400	600	
3	Hongkong	... C. S. Taylor ...	660	720	
4, 6 & 9	"	... Various ...	660	720	each.
5	"	... Dowdall, Hanson & McNeill ...	1,320	1,800	
10	"	... Miss R. Calder ...	780	840	
7	Kiangse	... A. Neubourg & Co. ...	720	780	
8	"	... C. Gronert ...	480	600	
9	"	... Gipperich & Burchardi ...	1,600	2,500	
10	"	... Mrs. J. Kirk ...	1,500	1,800	
11	"	... J. Liddell ...	720	816	
14/17	"	... Various ...	540	600	each.
26/28	"	... " ...	1,920	2,340	
37	"	... " ...	324	480	
44	"	... F. C. Goodall ...	480	600	
48	"	... Miss E. Beber ...	780	1,080	

*Foreign Houses upon which the Assessments have been increased—(cont.)*

No. of House.	Road.	Name of Occupant.	Assessment.	Increased to	Remarks.
			Tls.	Tls.	
50A	Kiangse	... Shanghai Waterworks Co., Ltd.	1,000	1,200	
5	Kiukiang	... Various ... ..	4,600	8,100	
7	"	... " ... ..	2,400	5,800	
8	"	... Imperial German Post Office		1,800	} rebuilt.
9	"	... Racine, Ackermann & Co.	3,120	2,000	
10	"	... W. Meyerink & Co....		4,800	
11	"	... Dr. W. Winston ...	900	1,200	
8	Kwangse	... Mrs. H. Satto ...	130	180	
16	"	... F. G. White ...	420	480	
13	Hankow	... Banque de l'Indo-Chine	2,400	3,600	
7	Museum	... P. E. Lintilhac & Co.	1,200	1,800	
10/11	"	... Various ... ..	960	1,020	
4	Nanking	... J. Llewellyn & Co., Ltd.	1,500	2,400	
10	"	... Various ... ..	1,800	3,600	
17	"	... Mrs. Geo. Clarke ...	2,160	2,760	
28	"	... R. Lawrie Smith & Co.	1,020	1,200	
32	"	... Evans & Co....	780	960	
33	"	... Robinson Piano Co...	600	840	
34	"	... Various ... ..	1,920	2,160	
35	"	... " ... ..	1,440	1,860	
37	"	... " ... ..	1,500	2,040	
39/40	"	... Tabaqueria Filipina	615	675	
43	"	... S. J. David & Co. ...	1,080	1,320	
3	Peking	... Various ... ..	2,600	3,100	
12	"	... W. M. Harvie ...	900	1,080	
13	"	... Rev. G. H. Bondfield	420	540	
7	Shantung	... Hu Pao Office ...	576	660	
4	Soochow	... Hall & Holtz, Ltd. ...	780	2,750	} rebuilt. each.
5/6, 8/10	"	... Various ... ..	660	720	
11	"	... Reid, Evans & Co. ...	720	780	
2	Siking	... Schaar & Wortmann	1,200	1,800	
3	"	... M. Rohde ... ..	1,750	2,500	
4	"	... Fuso Yoka & Co. ...	480	540	
5	Szechuen	... American Trading Co.	1,530	1,800	
18	"	... E. Bavier & Co. ...		9,500	} rebuilt.
18A	"	... Cary & Sandford ...	1,110	900	
18B	"	... H. Sledge ... ..		900	
19	"	... Mrs. S. Leslie ...	900	1,140	
20	"	... Kajima & Co. ...	900	1,200	
21, 21A	"	... Various ... ..	4,500	5,500	

*Foreign Houses upon which the Assessments have been increased—(cont.)*

No. of House.	Road.	Name of Occupant.	Assessment.	Increased to	Remarks.
			Tls.	Tls.	
27	Szechuen ...	Meyer, Lembke & Co.	1,500	3,200	rebuilt.
32	" ...	E. Bard ...	1,380	1,680	
33	" ...	Mrs. Geo. Clarke ...	720	840	
35	" ...	A. W. Danforth ...	900	1,020	
36	" ...	Mrs. Lang Niven ...	900	1,020	
37	" ...	Various ...	2,016	3,540	
42	" ...	Mrs. T. Place ...	315	350	
47	" ...	W. M. Harvie ...	660	720	
49, 51, 52, 54	" ...	Various ...	510	540	each.
50	" ...	W. J. Clarke ...	420	600	
53	" ...	Dr. R. H. Cox ...	420	540	
57	" ...	E. Bavier ...	450	510	
60	" ...	Capt. W. H. Lunt ...	510	540	
6/7	Y.-ming-yuen	Various ...	1,800	6,600	rebuilt.
13	" ...	H. O'Shea ...	540	660	
18	" ...	W. V. Drummond ...	600	720	
19/20	" ...	Various ...	540	600	each.
21/22	" ...	" ...	960	1,200	each.
23/24	" ...	" ...	960	1,080	
1	Astor ...	J. Valentine ...	360	600	
1/10	Boone ...	Various ...	200	225	each.
13/14	" ...	" ...	288	348	each.
16/19	" ...	" ...	240	300	each.
20	" ...	T. Mellows ...	180	225	
23/26	" ...	Various ...	196	210	each.
27	" ...	C. Herzberg ...	220	240	
2	Chaoufoong .	J. Timm ...	300	360	
12	" ...	A. Zaackel ...	720	780	
97/98	Chapoo ...	Various ...	150	180	each.
101/105	" ...	" ...	300	330	each.
108 & 111	" ...	" ...	210	240	each.
112	" ...	H. Petersen ...	210	270	
3	Broadway ...	E. B. Raymond ...	225	300	
11	" ...	M. Goldstein ...	480	850	
36	" ...	R. J. Macgowan ...	660	720	
52	" ...	J. Watson ...	180	265	
53	" ...	J. H. Werth ...	130	162	
54	" ...	J. Ord ...	130	162	
55	" ...	D. F. Jones ...	180	220	
57/62	" ...	Various ...	330	336	each.
1	Kungping ...	O. Middleton ...	600	660	
2	" ...	Capt. Paramore ...	420	600	
1	Li Hongkew	Shanghai Silk Fila- ture, Ltd.	2,240	3,000	

*Foreign Houses upon which the Assessments have been increased—(cont.)*

No. of House.	Road.	Name of Occupant.	Assessment.	Increased to	Remarks.
			Tls.	Tls.	
1/5	Miller	... Various ...	240	300	each.
6/7	"	... " ...	485	720	
8	"	... V. P. Fonseca ...	240	300	
9/10	"	... Various ...	264	320	each.
11/13 & 15	"	... " ...	312	372	each.
14 & 16	"	... " ...	264	324	each.
22	"	... R. F. Eastlack ...	270	420	
5	Minghong	... Various ...	2,600	2,900	
6/10	"	... " ...	240	300	each.
11A, 11/15	"	... " ...	355	450	each.
9/12	Nanxing	... " ...	144	160	each.
14	"	... Capt. Henderson ...	264	324	
15	"	... Q. J. Gutierrez ...	288	348	
17	"	... A. J. Diniz ...	360	540	
18	"	... Fritz Jung ...	435	540	
19	"	... O. Möller ...	480	540	
20	"	... R. Botelho ...	350	420	
17/19	N. Soochow	... Various ...	420	480	each.
20	"	... M. C. de Souza ...	360	480	
21 & 24	"	... Various ...	444	540	each.
22	"	... Mrs. A. E. K. Graves ...	420	600	
23	"	... J. L. van Laer ...	420	540	
48	"	... Racine, Ackermann & Co. ...	2,000	2,700	
51	"	... D. Gilmour ...	3,200	3,600	
5	N. Szechuen	... F. S. Oliveira ...	360	440	
12	"	... Mrs. L. Witt ...	540	600	
19	"	... Capt. N. P. Andersen ...	660	780	
20, 21 26/28	"	... Various ...	720	780	each.
22/23	"	... Mrs. J. Stockwell ...	720	810	each.
7	N. Yangtze	... Shanghai & Hongkew Wharf Co. ...	6,500	7,500	
2, 5, 6, } 11, 12, } & 14 }	Old China St.	... Various ...	175	270	each.
3, 7/10, 15	"	... " ...	175	225	each.
4	"	... G. W. Mace ...	145	225	
2/4	Quinsan	... Various ...	252	300	each.
5	"	... A. Yvanovich ...	264	312	
6	"	... J. Holmes ...	312	360	
7/8, 11, 13, 14	"	... Various ...	355	360	each.
17	"	... F. F. Carion ...	312	360	
21	"	... J. S. Knowles ...	500	600	
26/27	"	... Y. Ota ...	480	600	each.

*Foreign Houses upon which the Assessments have been increased—(cont.)*

No. of House.	Road.	Name of Occupant.	Assessment.	Increased to	Remarks.
			Tls.	Tls.	
29	Quinsan ...	Mrs. F. M. d'Oliveira	420	480	
35	" ...	E. D. van Walree	600	780	
1	" ...	Mrs. H. C. V. de Figueiredo	480	600	
1/3	Seward ...	E. Evans	332	420	each.
4	" ...	J. J. d'Andrade	355	440	
5/9	" ...	Various	355	450	each.
11	" ...	Miss E. Beber	320	405	
16	" ...	N. L. Martin	540	660	
19/20	" ...	Various	720	840	each.
26	" ...	N. E. Bryant	480	504	
27	" ...	V. E. J. Dent	450	1,020	
28	" ...	T. P. Evans	360	720	
1	Taiping ...	Mrs. A. Sterling	525	540	
12, 14, 15,	Tiendong ...	Various	220	250	each.
13	" ...	C. Kock	220	225	
11	Whangpoo ...	Spanish Consulate-General	1,200	1,500	
12	" ...	Dr. N. Macleod	1,020	1,500	
13	" ...	J. R. Twentyman	1,200	1,800	
14	" ...	T. Moorehead	660	780	
18	" ...	W. Carlson	660	720	
20	" ...	Mrs. D. C. Jansen	1,080	1,200	
21	" ...	R. Lundt	720	780	
23	" ...	Dr. J. Edkins	660	780	
31	" ...	S. J. David & Co.	1,080	1,200	
35	" ...	J. W. H. John	504	600	
36	" ...	Club Recreio	960	1,440	
37	" ...	H. J. H. Tripp	660	780	
39 & 41	" ...	Various	600	720	each.
2/6 & 8	Woosung ...	"	180	200	each.
7	" ...	C. Noronha	180	220	
9A & 9B	" ...	Various	130	150	each.
10/13	" ...	"	180	220	each.
5/6	Woosung ...	"	420	480	each.
7/8	" ...	"	300	360	each.
1	Yangtsze-poo	G. Peebles	600	720	
16	" ...	Capt. Friend	180	240	
26	" ...	Ewo Silk Spinning, Weaving & Dyeing Co., Ltd.	3,500	4,500	partly rebuilt
27	" ...	Yah Loong Cotton Spinning Co., Ltd.	600	1,200	
32	" ...	F. Pasche	600	720	

*Foreign Houses upon which the Assessments have been increased—(cont.)*

No. of House.	Road.	Name of Occupant.	Assessment.	Increased to	Remarks.
			Tls.	Tls.	
2 & 4	Yuhang ...	Various ...	180	240	each.
2	Park Lane ...	W. Pollock ...	270	360	
11	" ...	G. T. Murray ...	300	330	
17/18	Rifle Range...	Various ...	420	480	each.
19	" ...	J. Seymour ...	300	420	
59	" ...	J. Price ...	420	500	

*Foreign Houses upon which the Assessments have been reduced during the  
year 1898, under Resolution passed at Ratepayers' Meeting,  
6th March 1877.*

No. of House.	Road.	Name of Occupant.	Assessment.	Reduced to	Remarks.
			Tls.	T s.	
12	Canton ...	Various ...	1,800	1,200	
5B	Minghong ...	C. Pape ...	600	540	
4	North Chuen-hong-pang.	T. Deighton ...	240	180	
15	Quinsan ...	M. Nissim ...	312	240	
28	Yangtsze-poo	J. Morris ...	600	300	

*New Foreign Houses Assessed during the Year 1898.*

No. of House.	Road.	Name of Occupant.	Assessment.	Remarks.
29	Boone	... Customs Outdoor Staff Quarters.	Tls. 3,000	
30/35	"	... Various ...	780	each.
56A/56C	Broadway	... " ...	360	each.
18	Chaoufoong	... Miss H. Anderson ...	300	
4	Kungping	... W. W. Rich ...	780	
5A/5B	Minghong	... Various ...	600	each.
22A	Miller	... T. R. Johns ...	600	
1	North Chekiang	... Chinese ...	1,500	
2A/2C	N. Chuen-hong-pang	... Various ...	270	each.
3	North Honan	... Chinese ...	420	
4	"	... T. Wood ...	390	
1A/1B	Quinsan	... Various ...	330	each.
21/25	Seward	... " ...	480	each.
27A/27D	"	... " ...	360	each.
29	"	... W. McMurray ...	360	
29A	"	... T. H. Harris ...	540	
36A	"	... Schiller & Co. ...	120	stables.
10A/11A	Woosung	... Various ...	420	each.
15/15A	Yangtsze-poo	... Soy Chee Cotton Spinning Co., Ltd.	300	each.
24	"	... Vacant ...	3,000	Godowns. godowns.

*Foreign Houses not previously Assessed.*

No. of House	Road.	Name of Occupant	Assessment.	Remarks.
7/8	Rifle Range	... Various ...	Tls. 540	each.
9	"	... Jas. H. Osborne ...	600	
10	"	... R. Scott... ..	300	
15/18	"	... Various ...	420	each.
23	"	... Rev. Dr. J. M. W. Farnham.	360	
24	"	... F. Diercks ...	480	
27/36	"	... Various ...	144	each.
39/40	"	... " ...	540	each.
41	"	... Mrs. A. Banker ...	360	
42	"	... G. D. Maher ...	420	
43	"	... Mrs. Brand ...	240	
44	"	... Viloudaki & Veitch ...	450	
47/48	"	... J. B. Cameron ...	1,000	
55/56	"	... Various ...	540	each.
57/58	"	... " ...	420	each.
59	"	... J. Price ...	500	
60	"	... J. C. Grant ...	420	

## LOANS.

As provided for in the Budget for 1898, the remaining debentures, aggregating Tls. 25,000, of the 1888 loan were redeemed on the 30th June, together with Tls. 12,000 of that of 1890, of which loan there now remains a balance of Tls. 8,000. On the 31st December, in accordance with the proposals contained in the Chairman's speech at the Ratepayers' Meeting in March, debentures for Tls. 65,000 were paid off from the Electrical Department Loan of 1893, which loan now stands at Tls. 15,000. The general sinking fund appropriation in the Budget for 1899 is Tls. 45,800.

In May tenders were invited for the sum of Tls. 300,000, which the Council was authorised to raise under Resolution VII, passed at the Annual Meeting of Ratepayers on 10th March 1898 (Tls. 240,000) and under Resolution XI passed at the same meeting (Tls. 60,000, Electrical Department), by the issue of debentures bearing interest at the rate of not over 6% per annum. Allotments were made as follows :—

Tls. 13,500 at 101.00	Tls. 13,635.00
5,000 „ 100.76	5,038.00
1,000 „ 100.25	1,002.50
6,000 „ 100.10	6,006.00
1,200 „ 100.05	1,200.60
273,300 „ par	273,300.00
<u>Tls. 300,000</u>	<u>Tls. 300,182.10</u>

## WHARFAGE DUES.

As the result of the communication addressed to the Senior Consul in December 1897 [*vide* Report for that year, pp. 118-124] the following letter was received in July :—

Shanghai, 30th July 1898.

SIR,—Referring to Mr. A. R. Burkill's letter of December 21st last year on the question of Wharfage Dues I have the honour to herewith hand you translation of a letter received from H.E. the Taotai on this subject under date of the



19th inst. In this letter the Taotai agrees to the collection of the Wharfage Dues by the Imperial Maritime Customs at Shanghai as suggested by the Municipal Council and suggests on his part that a previous understanding should be arrived at with the Council of the French Settlement with regard to joint action in the matter.

I have the honour to be,

Sir,

Your obedient servant,

O. STUEBEL,

*Consul-General for Germany  
and Senior Consul.*

J. WELCH, Esq.,

Vice-Chairman,

Municipal Council.

---

[*Enclosure.*]

*Taotai to Senior Consul.*

Shanghai, 19th July 1898.

I have the honour to acknowledge receipt of your dispatch, by which you forward to me abstract from a letter of the Municipal Council, referring to the question of wharfage dues levied by the Council in accordance with Article IX of the Land Regulations. In this letter the Council proposes that one half of the wharfage dues levied on the domestic trade be payable to the Taotai as cost of collection, the remainder—*i.e.* all the dues on foreign trade, together with one half of the dues on native trade—being remitted to the Council. You request me to agree to the change now proposed and issue instructions accordingly.

After having received this dispatch I requested the Commissioner of Customs to levy the wharfage dues and make the necessary arrangements for it. The latter's reply was to the following effect. If the Imperial Maritime Customs are to collect the wharfage dues, the amount will be much larger than heretofore. The yearly amount realised on the foreign trade might be estimated at Tls. 70,000 at least, whilst that levied on the coast trade would come to about Tls. 30,000. One half of this item, *viz.* Tls. 15,000 would go regularly to the Taotai. The cost of collecting the dues by the Maritime Customs would amount to about Tls. 5,000, which sum would have to be borne by the Taotai and the Council in equal shares. Should this be agreeable to both parties, the Commissioner declared himself willing to ask the sanction of the Inspector-General. I then asked him to take the matter into consideration and make first a trial of the scheme. Now I have received a communication from the Commissioner to the effect, that the Inspector-General has sanctioned his proposal regarding the

collection of wharfage dues by the Customs, but that he (the Inspector-General) instructs him at the same time to endeavour to arrange for the levying of wharfage dues on the French Concession in the same way. He therefore directs the Commissioner to request the Municipal Council that they should enter into negotiations about the matter with the French Council, and that both Councils should act jointly throughout.

I hope that you will bring about an understanding accordingly and issue the necessary instructions. I shall feel obliged for a reply from your part.

(Signed) T'SAI-CHUN,  
*Taotai of Shanghai.*

---

The Council, therefore, approached the French Municipality with a view to arriving at joint action in the matter with the results shown in the annexed correspondence :—

Council Room,  
Shanghai, 5th August 1898.

SIR,—I am now directed to forward for the information of the French Council, copy of a despatch and its enclosure received by this Council from the Senior Consul on the 1st inst. From these documents it will be perceived that the Inspector-General of Customs and the Shanghai Taotai have respectively sanctioned the proposals made by the Council last year for a revised system of Wharfage Dues collection, on the understanding that the same be carried out conjointly by the two Municipalities of Shanghai. Since the receipt of the above communication, the Council has carefully examined into the matter and having reason to believe that the principle of the proposed collection of Wharfage Dues commends itself to the Ratepayers and Council of the French Municipality, desires now to arrive so soon as possible at a mutual understanding in regard to the financial and administrative working of the proposed scheme. To this end it is suggested that the French Council should appoint two or more of its members to meet the Finance Committee of this Council and to discuss the best means to be adopted for putting the joint system of collection into practice.

It is the opinion of this Council that the scheme cannot become operative until 1st April next, that is to say, until after the next general meeting of Ratepayers, inasmuch as it is an essentially necessary feature of the scheme that a Revised Dues Tariff should be submitted to the Ratepayers for approval. This revision of the Tariff upon the broad basis of a levy of 1/20 of 1% on the value of goods, is now being made and when completed will be referred to the consideration of the General Chamber of Commerce.

The Commissioner of Customs has kindly promised his valuable assistance in the deliberations which must precede the introduction of the new system of

collection ; he suggests, however, that before any formal meeting between the representatives of the two Councils takes place it might be well if some definite views on the subject were formulated in writing on either side, thus affording a satisfactory basis for preliminary discussions. This Council considers the suggestion a practical one, and I am now directed to enquire whether the French Council will recommend it to such of its members as may be elected to meet the Finance Committee.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

R. DE MALHERBE, Esq.,

Secretary, French Municipal Council.

---

Conseil d'Administration Municipale  
de la Concession Française,  
Shanghai, le 5 Octobre 1898.

MONSIEUR,—Je suis chargé de porter à votre connaissance que, dans sa dernière séance, notre Conseil d'Administration Municipale a pris la décision suivante concernant l'établissement des droits de quayage :

"Il est bien entendu que, lors de l'établissement des droits de quayage (wharfage dues), la recette opérée sur les marchandises transportées par les vapeurs et embarcations accostant sur la Concession française sera versée par la douane—déduction faite de la somme abandonnée à la douane elle-même et au Taotaï—à la Municipalité française, quel que soit le domicile de la personne ou de la raison sociale qui fera l'application en douane."

Veuillez agréer, Monsieur, l'expression de mes sentiments les plus distingués.

Le Secrétaire,

R. DE MALHERBE.

Monsieur BLAND,

Secrétaire du Municipal Council

du Foreign Settlement, Shanghai.

---

Conseil d'Administration Municipale  
de la Concession Française,  
Shanghai, le 17 Octobre 1898.

MONSIEUR,—Le 5 courant j'ai en l'honneur de vous communiquer un extrait du Compte-rendu de la séance du Conseil d'Administration Municipale du 7 Septembre dernier d'où il résulte que l'opinion exprimée par le Conseil à cette date au sujet des "wharfage dues" est que le domicile des contribuables ne doit pas

servir de base à la repartition qui sera faite entre les deux Municipalités du produit de cette taxe. Cette expression d'opinion ne suffisant pas à la conclusion d'un arrangement définitif, le Conseil, pour répondre au désir exprimé par le Municipal Council ainsi que par M. Rocher, Commissaire des Douanes, a désigné deux de ses membres, MM. Robert et Wright, pour discuter avec les représentants de votre Conseil, le meilleur mode de perception et de répartition des droits en question.

Veuillez agréer, Monsieur, l'expression de mes sentiments les plus distingués.

Conseil d'Administration Municipale française de Shanghai,

Le Secrétaire,

R. DE MALHERBE.

Monsieur BLAND,

Secrétaire du Municipal Council, Shanghai.

---

The meeting between representatives of the two Councils took place on the 23rd December and it was thereat proposed and agreed—subject to subsequent confirmation by the Councils—that of the total sum handed over by the Customs authorities, after deduction of the Taotai's moiety of native trade dues and cost of collection, a 25% proportion shall be handed over as the share of the French Municipality; this proportion to be subject to augmentation hereafter up to 33% should an analysis of the receipts (based on situation of landing-places) show it to be inadequate. This arrangement was confirmed in due course by both Councils, it being understood that its operation was provisional and liable to revision after the first year.

A Resolution on the subject will be laid before the Ratepayers at their annual meeting.

---

# WORKS MATTERS.

---

## ENGINEER AND SURVEYOR'S REPORT.

---

Shanghai, January 16th, 1899.

GENTLEMEN,

I have the honour to submit my tenth annual report of works executed and business transacted by the Engineer and Surveyor's Department during the year ending the 31st December 1898.

### BRIDGES.

---

The total number of bridges now in charge of the Department is 38.

Two new hardwood bridges are being erected across the Soochow Creek and will shortly be completed. One opposite the end of Chapoo Road, 40' in width, and another, 30' wide, at the end of Thibet Road.

The bridges across the Defence, Hongkew, Sing-kei-pang, Soochow and Yangtze-poo Creeks have been painted and repaired.

*Defence Creek.*

*Chefoo Road Bridge.*—Repaired.

*Hongkew Creek.*

*Hanbury Road Bridge.*—Repaired.

*Sing-kei-pang Creek.*

*Sing-kei-pang Road Bridge.*—Repaired.

*Seou-hong-jao-pang Creek.*

*Hanbury Road Bridge.*—Repaired.

*Nan-sih-ka-pang Creek.*

*Seward Road Bridge.*—Repaired.

*Soochow Creek.*

*Garden Bridge.*—Repaired.

*North Szechuen Road Bridge.*—Extensively repaired.

*North Kiangse Road Bridge.*—Extensively repaired.

*North Shanse Road Bridge.*—Repaired.

*North Fuhkien Road Bridge.*—Extensively repaired.

*Yang-king-pang Creek.*

In accordance with the Agreement between the two Municipalities to repair the bridges across the Yang-king-pang on alternate years, the work during 1898 was undertaken by the French Municipal Council.

BUILDINGS.

The total number of buildings belonging to the Municipality in charge of this Department is now 62.

*Buildings—(Maintenance).—*

326 requisitions have been received from the Captain-Superintendent of Police and others for repairs, painting, etc. to the buildings named below :—

Central Police Station.

Hongkew Police Station.

Louza Police Station.

Yangtsze-poo Police Station.

Council Offices.

Secretary's Quarters.

Engineer's Quarters.

Shanghai Public School.

Lock Hospital.

Isolation Hospital.

Electric Lighting Station.

Electrical Superintendent's Quarters.

Assistant do. do.

Cattle-sheds.

Public Abattoirs.

Inspector of Markets' Residence.

Nurses' Home.

Drill Shed, Soochow Creek.

*Buildings—(New Work).—*

*Central Police Station.*—In order to minimize the risk in case of a fire occurring on the premises adjoining the eastern side of the Station, the eaves gutters to all buildings close to this boundary have been removed and parapet walls carried up 2' above the roofs, and a part of the eastern boundary wall has been raised 6'.

The cost of this work amounted to Tls. 280.

Lightning-conductors have been fixed above the Ammunition Store.

*Additions to Yangtsze-poo Police Station.*—A two-storied brick building, 32' 6" by 22' 6", giving accommodation for 20 Sikhs, with wooden verandah 5' wide, has been erected adjoining the east side of the Sikhs' Quarters, in rear of compound.

2 new Cells, 12' by 10', with open iron-barred verandahs, are attached to this building.

A new bathroom, 10' square, with concrete floor, has been built adjoining the back of the main building, and a storeroom, 19' by 10', at the side of the Sikhs' Quarters.

The total cost of the above work was Tls. 4,121.

*Additions to Carter Road Police Station.*—The remaining portion of this work, consisting of a Sikhs' cookhouse, 21' by 14', with a room for Sikhs above, and a latrine, bathroom, and 2 rooms for boys and mafoos, has been completed.

The cost of the whole work amounted to Tls. 4,607.

*West Hongkew Police Station.*—The premises have been completed and were occupied in November.

The total cost amounted to Tls. 13,758.

Two strips of land, 0m. 5f. 3l. 4h. and 0m. 0f. 8l. 2h., have been acquired from Mr. N. E. O. P. CANNING and a Chinese respectively, in order to form a better approach to the Station.

*Bell Towers.*—The observation point on the Central Station Bell Tower has been raised 20' by the addition of another story with a flat roof.

The work was executed at a cost of Tls. 300.

Lightning-conductors have been fixed to the Central and Hongkew Station Bell Towers.

*Hongkew District Fire Station.*—A new District Fire Station, for the Mih-ho-loong and Hongkew Companies, has been built on Lot 1530 B.C. at the junction of Hanbury and Miller Roads, and was occupied in June last.

The walls are of red brick with half-timbered gables and steep-pitched corrugated iron roofs, arranged so as to form a room 12' by 30', over each Engine House for the coolies and mafoos.

All the buildings have cement concrete floors.

The accommodation provided is as follows :—

(a) *Mih-ho-loong Company.*—An Engine House, 50' by 20', and stables adjoining with stalls for 4 ponies.

(b) *Hongkew Company.*—An Engine House, 31' by 20', with similar stables.

The yard has been tar-paved and drained, and a cook-house, 20' by 12', built at the back, and also a latrine for the use of the mafoos, etc.

The necessary boundary walls and gates have been built, and arrangements provided for drying hose.

The total cost of the work amounted to Tls. 6,391.

*Vaccine Station.*—A Vaccine Station has been erected in the grounds of the Isolation Hospital, Scott Road.

The buildings are of timber and brickwork, with tiled roofs, and comprise a Laboratory and Operating Room, each 15' by 20', with top light. Stables for 4 calves have also been provided.

All the floors, except that to the Laboratory, which is wooden, are of cement concrete.

The cost of the work amounted to Tls. 1,388.

*Public Wash-houses.*—An experimental Washing and Ironing Establishment has been erected on the south side of Lot 767, Rifle Range Road.

The Wash-house is 16' by 21' and the Ironing House 23' by 21'. Both buildings are constructed of timber and brickwork with tiled roofs, and have cement concrete floors; provision is also made for storing clean and soiled clothes.

Water has been laid on, and a Shed, 16' by 12', has been built and fitted with 2 boilers.



A cook-house and latrines, etc. have been provided, and the yard has been paved with cement concrete.

The work was executed at a cost of Tls. 1,751.

*District Overseer's Office, Hongkew.*—By the kind permission of the Shanghai Horse Bazaar Company a wooden house, 30' by 20', has been erected on Cadastral Lot 1016, Hanbury Road.

The building is used as an office and tool-house for the East Hongkew District.

The cost of the building was Tls. 420.

*Dog Kennels.*—Four dog kennels, each 3' by 2' 6" by 5', constructed of Portland cement concrete, with iron bars in front, have been erected on the western side of the Isolation Hospital grounds, Scott Road.

*Hongkew Market.*—In order to increase the covered space at this market the triangular portion, 121' by 89' by 86', which had previously been left open, has been roofed over with timber construction and Marseilles tiles.

The work was executed at a cost of Tls. 3,151.

*Stables for Inspector of Markets.*—A Stable and Coach-house, 31' by 15' 6", with fodder store and mafoos' room over, has been built for the Inspector of Markets at the west end of the Cattle-sheds site.

The cost of the building was Tls. 633.

*Public Abattoirs.*—An additional overhead steel carrier, with the necessary rails, etc., supplied by Messrs. ALEXANDER MATHER & SON of Edinburgh, has been erected in the Slaughter-house, and 42' of sheep rail fixed.

The cost of the work amounted to Tls. 1,170.

*New Public Markets and Drill Hall.*—

*Chinese Markets.*—This work (the plans for which were prepared by Mr. F. M. GRATTON and the writer) has been completed, and the market was opened for public use on January 1st, 1899. The structure covers a space of 160' by 140' and consists of ground and first floors. It is constructed entirely of iron and steel, the upper floor and roof being carried on cast-iron columns, the decorative work is also of cast-iron. In the centre is an octagonal dome, 40' across, of steel and glass,

and a 4-way staircase with patent treads leading to the first floor, which is constructed of steel girders and joists carrying a Portland cement concrete arched floor. The roof is specially arranged to prevent the direct rays of the sun entering and to allow of the North light being fully availed of. The whole of the ironwork, weighing about 575 tons, was supplied by Messrs. WM. WHITFORD & Co., of London and was erected departmentally at a cost of Tls. 5,000, including painting. Four hydrants for cleansing are provided on each floor, and the necessary arrangements made for carrying off surface and rain water. The ground floor is paved with Portland cement concrete, and both floors are surrounded with wrought-iron railings 6' and 7' high. The whole of the concrete work has been executed by the Council's own workmen.

The foundations, granite blocks and steps and the roofing were carried out by Messrs. JOE & MINGKEE, Shanghai.

There is accommodation for 466 stall-holders, and the total cost has amounted to about Tls. 100,000.

*Arcade.*—The arcade, 45' wide, between the Chinese markets and the Drill Hall, is almost completed and is being fitted with shops for use as a foreign market.

*Drill Hall.*—The contractor has practically finished this building externally and has made a good deal of progress with the internal work. He has executed the panelled plaster ceiling of the Drill Hall and main Staircase. All the rooms on the first floor have been plastered and the floors laid, and the fixing of the joinery has been commenced. The water supply has been put in, and electric light laid on to all parts of the building.

*"Wayside" Police Station.*—A sum of Tls. 12,000 was provided in the Budget for the erection of a District Police Station at "Wayside" on B.C. Lot 2261.

Upon reconsidering the matter the Police decided that a larger building would be required than was originally contemplated and the plans have accordingly been remodelled.

When the negotiations for the purchase of the additional land required in consequence of the proposed increase in the size of the buildings are completed the erection of the new Station will be at once proceeded with.

*Houses for Captain-Superintendent and Deputy Superintendent of Police.*—This building, on the Tunsin property, with a frontage of 92' to the Hankow Road, was commenced in June last, and the Contractor has undertaken to complete the work within 10 months.

*Buildings (General).*—

*Board Room.*—The cupola on the Board Room roof was struck by lightning on the 23rd July and slightly damaged. It has since been repaired.

*Artillery Gun-shed.*—The Artillery Gun-shed in the Council compound has been taken down and the materials used for building a carpenters' shop, 67' 0" by 24' 4", in the Old Central Station compound.

*Surveying Tower.*—The Surveying Tower at the Old Rifle Butts has been removed.

#### BUNDINGS.

*Bundings—(Maintenance).*—

Ordinary repairs have been effected to the bundings to the different Creeks and River.

*Bundings—(New Work).*—

*Yang-king-pang Creek.*—610 feet run of hardwood bunding has been erected to the Sungkiang Road, between Shantung and Fuhkien Roads, and the old iron railing re-erected, at a total cost of Tls. 4,148.

635 feet run of hardwood bunding has been erected to the Sungkiang Road, between Fuhkien and Chekiang Roads, and the old iron railing re-erected, at a total cost of Tls. 4,318.

788 feet run of hardwood bunding has been erected to the Sungkiang Road, between Chekiang and Yunnan Roads, and the old iron railing re-erected, at a total cost of Tls. 5,361.80.

The above bundings are constructed of hardwood piles, 8" by 8" by 22' long, backed by 8" by 4" stringers and 8" by 3" sheet piling. The tie-rods are of 1½" iron, 20' long, placed 6' 8" apart.

15 feet of bunding has been erected to Creek near No. 19 Boundary Stone, Hongkew.

28 feet of bunding has been erected to Yangtsze-poo Road, near "Wayside."

## CEMETERIES.

*Old Cemetery, Pah Hsien-jao.*—30 grave-spaces have been marked out as Section S, on the north side of Section R.

The usual repairs have been carried out.

*Pootung Cemetery.*—1,058 feet run of bamboo fencing has been erected.

*Bubbling Well Cemetery.*—165 trees have been planted, the turf has been cut and weeded and the paths kept in repair.

20 ash-wood seats have been placed in the Crematorium Chapel and six iron-framed seats in the grounds.

100 cast-iron number-plates have been fixed to number the grave-spaces.

465 feet run of new bamboo fencing has been erected.

Two new paths, 6' wide and of a total length of 285', have been formed and bricked.

The first burial in this Cemetery took place on the 29th October, and two cremations have taken place during the year.

## CREEKS.

*Yang-king-pang Creek.*—An appropriation was provided in last year's Budget for dredging the Yang-king-pang to an average depth of two feet, as on previous occasions. The Works Committee, however, were of opinion that a dredging of this nature would not be likely to effect any permanent improvement, and upon the writer reporting that the deepening of the whole Creek to one foot below low water of ordinary tides would seriously endanger some of the older bundings, it was decided to let the work stand over for the present. In the meantime the Council have instructed the writer to prepare a scheme, in conjunction with the Engineer to the French Council, for culverting, filling-in and making up the Creek.

This work would be a great public improvement and would undoubtedly relieve the traffic on the Nanking Road, besides doing away with a Creek which is practically an open sewer and a standing menace to the health of the community.

*Soochow Creek.*—The Soochow Creek, in front of the Chekiang Road Garbage Yard, has been dredged to a depth of 8' 6".

*Hongkew Creek.*—The month of the Sing-kei-pang Creek has been dredged, and 1,024 tons of mud removed.

#### DRAINAGE.

Egg-shaped Portland cement concrete sewer-tubes, stoneware, and cement concrete pipe-drains, together with the necessary manholes and gullies, have been laid in the following Roads :—

Name of Street.	Section.	Length in feet.
Boone Road ...	Between North Honan and North Fuhkien Roads	1,238
Chapoo Road...	North of Quinsan Road ... ..	130
Dong-ka-loong	Between Tsepoo Road and Teesan's Gardens ...	126
Do.	Adjoining Cadastral Lot 12 ... ..	349
Do.	Between Sih-king-koon-soo and North Fuhkien Roads ... ..	102
Hongkew-ka ...	South of Yuhang Road ... ..	36
Do.	Between Yuhang and Hanbury Roads ... ..	383
Louza-ka ...	Between Sing-dong-ka-loong and North Soochow Roads ... ..	72
New Road ...	Between Tsepoo and Boone Roads ... ..	209
North Fuhkien Road	Do. do. do. ... ..	228
Rifle Range Road	Between Woosung and North Honan Roads ...	2,592
Sih-king-koon-soo	Between Dong-ka-loong and Tsepoo Road ...	381
Thorburn Road	Between Yangtsze-poo Road and Cha-ka-pan Creek ... ..	240
Tsepoo Road ...	Between North Kiangse and North Honan Roads	216
Wetmore Road	North of Yangtsze-poo Road ... ..	372
Total ...		6,674

369 defective brick gullies have been removed and replaced by Portland cement concrete gullies, with the necessary gratings, etc., as under :—

English Settlement	... 194
Hongkew ,,	... 175

*Drainage of Private Properties.*—The total length of drains laid on private properties by this Department during 1898 was  $9\frac{1}{2}$  miles, exclusive of 937 manholes, as against  $11\frac{1}{2}$  miles laid in 1897.

At the request of either the owners or tenants, the drainage of the following premises has been inspected and reported upon :—

*English Settlement.*

- 1a, Nanking Road.
- 2, Canton Road.
- 7, The Bund.
- Cadastral Lot 40, Kiukiang Road.

*Hongkew Settlement.*

- 1, Yangtsze-poo Road.
- 21, Yangtsze-poo Road.

*Outside Roads.*

- 58, Bubbling Well Road.
- 60, do.
- 4, Markham Road.

*Pootung.*

Latrine at International Cotton Mill.

DRAINAGE, ETC. BYELAW.

The existing Byelaw No. VIII attached to the Land Regulations has now been amended.

Under this Byelaw applicants about to erect new buildings are called upon to submit block plans of the land shewing the existing and proposed drainage, the height the land is to be raised, etc., and no building operations may be commenced until the Council have approved such plans.

FORESHORES.

24 new iron-framed seats have been placed on the Bund foreshore, 374 fong of new turf has been laid, the seats and stanchions have been painted and the grass regularly cut and weeded.

The foreshore on the south bank of the Soochow Creek, in front of Cadastral Lot 127, has been raised, 18 trees have been planted, and stanchions and chain erected for enclosing the ground.

#### LANDING ACCOMMODATION.

The Whangpoo River, in front of the Ewo Road jetty, has been dredged so as to give a depth of 5' at low water. 5,857 tons of mud were removed and used for filling in the north side of the Yangtzse-poo Road, west of Jansen Road.

The total cost of the dredging was Tls. 551.

The following jetties have been repaired :—

Fogg's.  
Canton Road.  
Kiukiang Road.  
Nanking Road.  
P. and O.  
Gibb's.  
Woochang Road.  
Taiping Road.  
Keecheong Road.  
Yuenfong Road.  
Ewo Road.

*Soochow and Hongkew Creeks.*—Repairs to six landing-stages on these Creeks have been completed.

*Yang-king-pang Creek.*—Seven landing-stages on the Sungkiang Road have been rebuilt.

The various jetties in the two Settlements have been painted.

#### LATRINES AND URINALS.

Eleven Cement Concrete Urinals have been erected in the following positions :—

*English Settlement.*

- 1 Chihli Road, south of Nanking Road.
- 1 near Cadastral Lot 278, Shantung Road.
- 1 Sungkiang Road, near Chekiang Road Bridge.
- 1 do. do. near Yunnan Road Bridge.

*Hongkew Settlement.*

- 1 Boone Road, near Broadway.
- 1 near Cadastral Lot 264, Boone Road.
- 1 near Cadastral Lot 963, Broadway.
- 1 near Cadastral Lot 961, Broadway.
- 1 near Cadastral Lot 1,007, Seward Road.
- 2 off Woosung Road, near Minghong Road.

3 Concrete Latrines and Urinals have been erected in Hongkew in the following positions :—

- 1 Boone Road, west of North Honan Road.
- 1 near Cadastral Lot 787, Seward Road.
- \*1 Sih-king-koon-soo Road, corner of Dong-ka-loong.

\* This Latrine and Urinal is built on a plot of land (area 0m. 0f. 14. 54.) kindly presented to the Council by the Foo Yuen Dong Charitable Institution.

PUBLIC GARDEN.

The seats, railings and lodges have been painted, and the chairs repaired and varnished. The paths, etc. have been kept in order.

NEW PUBLIC GARDEN.

The lodges, seats and railings have been painted, and the paths, etc. have been kept in order.

HONGKEW PARK.

Paths have been formed, bricked and metalled; and turf laid. 38 trees have been planted along the boundaries. 1,120 feet run of



wooden fencing—5 feet high—and 4 pairs of gates have been erected to enclose the ground. Four arbours, 18 feet in diameter, have been put up, and six iron-framed seats placed in the grounds.

The Park was opened to the public on the 19th July.

#### PUBLIC RECREATION GROUND.

The pond at the back of the Cricket Club pavilion has been filled in and 374' of 12" pipe drain laid.

The old road in rear of the Cricket Club pavilion has been removed and a new road formed, bricked and sanded, and flower beds, etc. laid out between it and the Cricket Ground.

A double latrine and urinal, in brickwork and concrete, has been erected between the Cricket and Golf Club pavilions.

#### ROADS.

I am glad to be able to again report favourably on the working of the Council's Quarry at Pingchiao.

Though difficulties occasionally arise, the country people as a rule work harmoniously, and the completion of negotiations for an 18 years' lease has given the Council a much firmer foothold in the locality. For the purposes of this lease a survey of the site was made in May last, and I am able to state that there is sufficient stone available to supply the present and prospective requirements of Shanghai for many more years than are included in the lease.

Six cargo-boats, of forty tons capacity each, have been built by the Council at a total cost of Tls. 4,397, for the purpose of bringing stone from the Quarry. The first experiment of paying the crews by the month has not proved a success, owing to the difficulty in controlling the coolies on such long voyages. A system of payment for each ton of stone delivered in Shanghai will be commenced as soon as satisfactory offers are received for the contract. On account of the exceptional dryness of the summer, the water level in the surrounding creeks has fallen some 3' or 4' below the normal, and in consequence it has been found

impracticable to get any boats having a greater draught than two feet into the creeks immediately leading to the Quarry. This has necessitated the transshipment of the material at Toong Dong, about 4 miles from the Quarry. However, the discovery of a new route avoiding Toong Dong, and the widening and deepening of the waterway at Chang Sien Jao, at the entrance to the Quarry, which is now being proceeded with, will enable forty-ton boats to go alongside the wharf at any season of the year.

It is satisfactory to note that notwithstanding the difficulties mentioned above, the supply of stone (for the first time in ten years) has been amply sufficient to meet all the Council's requirements, and in addition there was over 7,990 tons of stone in stock at the end of the year.

The difficulties in the way of obtaining road material from Soochow in former years has greatly hindered the work of the Department, but the supply from the Council's Quarry during the past year has enabled a *very large* amount to be done both as regards the metalling of existing roads and the making up of new roads.

A great many miles of roadway has been metalled, including some of the most important thoroughfares in the Settlements, *viz.* portion of the Bund, whole of Nanking Road, Hoopah Road, Lloyd Road, Amoy Road, Hongkong Road, greater part of Canton, Chekiang and Hankow Roads. The whole of North Szechuen, Hanbury, Chapoo, Quinsan, Hwakee, Sing-kei-pang and North Yangtsze Roads. The whole of Broadway, with the exception of a short section. The greater portion of Whangpoo, Seward, Yuenfong, Boone and North Soochow Roads, etc. etc. It will be noticed that nearly all the widest thoroughfares in the Settlements are included in the above list, and roads which have not been metalled before are excluded. The arrears of metalling on existing roads should be brought up to date during the current year.

A "Gates" stone-crusher having a capacity of over 100 tons per day has been erected at the Hongkew Depôt at a total cost of Tls. 4,565, including spare parts. The machine has proved a success and the cost of breaking compares very favourably with Chinese hand labour.

Owing to the increase of work in Hongkew it has been found necessary to purchase another 10 ton steam-roller.

The roller was put together in July last and cost Tls. 4,237.

All the street name-plates in the English and Hongkew Settlements have been cleaned and painted, and new name-plates have been put up on the following Roads :—

Boone Road	...	...	...	8
Hanbury Road	...	...	...	3
Hwakee Road	...	...	...	2
Miller Road	...	...	...	3
Nanxing Road	...	...	...	2
North Szechuen Road	...	...	...	2
North Soochow Road	...	...	...	3
North Kiangse Road	...	...	...	2
North Honan Road	...	...	...	3
Purdon Road	...	...	...	5
Rifle Range Road...	...	...	...	2
Tsepoo Road	...	...	...	3
Thorburn Road	...	...	...	3
North Fuhkien Road	...	...	...	1
Sing-kei-pang Road	...	...	...	3
Woosung Road	...	...	...	3
Woochang Road	...	...	...	2
Wetmore Road	...	...	...	2
Yuenfong Road	...	...	...	3
Yangtsze-poo Road	...	...	...	8

#### CHIP-PAVED.

The following roads, etc. have been chip-paved :—

*Hongkew-ka.*—Between Yuhang and Hanbury Roads.

*Louza-ka.*—Between Sing-dong-ka-loong and North Soochow Roads.

*New Road.*—Between Tsepoo and Boone Roads.

*North Shanse Road.*—North of North Soochow Road.

*North Soochow Road.*—Between North Honan and North Fuhkien Roads.

*Woochang Road.*—Between Chapoo and North Szechuen Roads.

*Yuenfong Road.*—Near Hanbury Road.

Chip-paved margins have been laid alongside the channels in the following roads :—

*Kiangse Road.*—Between Canton and Sungkiang Roads.

*Kweichow Road.*—East side, between Peking and Chefoo Roads.

*North Honan Road.*—Between Purdon and North Soochow Roads.

*North Soochow Road.*—Between Woosung and North Szechuen Roads.

#### KERB AND CHANNEL.

Kerb and channel has been laid in the following roads :—

*Hanbury Road.*—Granite kerb and channel. In front of the Hongkew District Fire Station.

*Miller Road.*—Granite kerb and channel. In front of the Hongkew District Fire Station.

*Woochang Road.*—Granite kerb and channel. Between Chapoo and North Szechuen Roads.

*Yangtze-poo Road.*—Granite kerb and channel. Between Ewo and Seward Roads. North side, 140 feet run of kerb and 140 feet run of channel. South side, 26 feet run of kerb and 1,559 feet run of channel.

#### STREET PAVEMENTS.

The following table shows the footways which have been paved with Portland cement concrete, chip-paving or tarred macadam during the year :—

Road.	Section of Road.	Side of Road.	Cement Concrete.	Chip-paving.	Soochow Granite.	Tarred Macadam.	Ningpo Stone.
<i>English Settlement :—</i>			No. of feet run.	No. of feet run.	No. of feet run.	No. of feet run.	No. of feet run.
Amoy ...	Between Chekiang and Kweichow Roads...	North	236	...	...	...	...
Chekiang ...	Between Amoy Road and Soochow Creek	West	309	...	...	...	...
Hankow ...	Opposite Municipal offices ...	North	304	...	...	...	...
Honan ...	Between Nanking and Kiukiang Roads ...	East	98	...	...	...	...
Kiangse ...	Between Foochow and Canton Roads ...	"	82	...	...	...	...
" ...	Between Canton and Sungkiang Roads...	"	221	...	...	...	...
" ...	Between Canton and Si-king Roads ...	West	102	...	...	...	...
" ...	Between Foochow and Hankow Roads ...	"	202	...	...	...	...
Kweichow ...	Between Peking and Chefoo Roads ...	East	...	...	...	...	162
Nanking ...	Between Honan and Kiangse Roads ...	South	200	...	...	...	...
Peking ...	Kweichow Road eastward ...	"	...	...	...	...	74
Szechuen ...	Between Foochow and Canton Roads ...	West	93	...	...	...	...
Soochow ...	Yuen-ming-yuen Road westward ...	South	70	...	...	...	...
Yuen-ming-yuen.	Between Soochow and Hongkong Roads...	West	84	...	...	...	...
Total feet run ...			2,001	...	...	...	236
<i>Hongkew Settlement :—</i>							
Broadway ...	Between Chaoufoong and Kungping Roads...	South	...	...	...	...	1,022
" ...	Between Whangpoo and Fearon Roads ...	Both	3,095	...	...	...	...
" ...	Between Dixwell and Taiping Roads ...	South	204	...	...	...	...
" ...	Kungping Road westward ...	"	102	...	...	...	...
" ...	East of Kungping Road	"	143	...	...	...	...
" ...	Do. do.	North	121	...	...	...	...
" ...	West of Seward Road.	"	160	...	...	...	...
*Boone ...	Between N. Szechuen and Chapoo Roads	South	506	...	...	...	...
*Boone, Chapoo and Quinsan.	Along frontages of Public Park ...	...	803	...	...	...	...
Chaoufoong ...	Between Broadway and Whangpoo River...	Both	941	...	...	...	...
Carried forward ...			6,075	...	...	...	1,022

\* New Roads.

Road.	Section of Road.	Side of Road.	Cement Concrete.	Chip-paving.	Soochow Granite.	Tarred Macadam.	Ningpo stone.
			No. of feet run.	No. of feet run.	No. of feet run.	No. of feet run.	No. of feet run.
	Brought forward ...	...	6,075	...	...	...	1,022
<i>Hongkew Settlement</i> —cont.							
*Chapoo	North of Quinsan Road	West	130	...	...	...	...
Hanbury	In front of Fire Station	North	...	...	44	...	...
"	Between Yuenfong Rd. and Hongkew Creek	South	70	...	...	...	...
*Hanbury	Between Sing-kei-pang and Yuenfong Roads	Both	873	...	...	...	...
Hwakee	Between Broadway and Seward Roads	East	...	408	...	...	...
Kungping	South of Seward Road	West	73	...	...	...	...
Miller	In front of Fire Station	"	55	...	...	...	...
*Miller	Between Morrison and Yuhang Roads	"	56	...	...	...	...
*Morrison	Between Miller and Woosung Roads	South	30	...	...	...	...
*North Sze-chuen	Between Quinsan Road & Pok-chuen-hong-pang	East	130	...	...	...	...
*North Honan.	Between Nan-chuen-hong-pang and Cadastral Lot 75	Both	658	...	...	...	...
*North Che-kiang	Between N. Soochow Rd. and Native Cemetery	"	704	...	...	...	...
"	South of Dong-ka-loong	...	...	120	...	...	...
Nanzing	Between Broadway and Seward Roads	...	...	85	...	...	...
*Rifle Range	Between Woosung and Fearon Roads	North	216	...	...	...	...
*Scott	Between Woosung Road and Isolation Hospital	"	189	...	...	...	...
*" "	Between Fearon and Woosung Roads	South	1,072	...	...	...	...
*Seward	Between Bridge and Yuenfong Road	"	...	63	...	...	...
"	West of Kung-ping Road	"	91	...	...	...	...
"	Between Sing-kei-pang Road and Wayside	Both	2,642	...	...	...	...
Woochang	Between Chapoo and N. Szechuen Roads	North	152	...	...	...	...
Woosung	Between Scott Rd. and Pok-chuen-hong-pang	West	195	...	...	...	...
*Woosung	North of Rifle Range Rd.	East	291	...	...	...	...
"	North of Rifle Range Rd.	West	643	...	...	...	...
Yangtsze-poo	Between Wayside and Ewo Road	North	212	...	...	...	...
"	Between Ewo and Seward Roads	"	583	...	...	...	...
Total feet run ...			15,140	676	44	...	1,022

\* New Roads.

Total length of Pavements laid in 1898, 3 miles 1,025 yards.

There are now  $43\frac{1}{3}$  miles of footway in the English and Hongkew Settlements, made up as under :—

Settlement.	Chip.	Macadam.	Composite.	Cement Concrete.	Brick on edge.	Tarred Macadam.	Crock.	Soochow Granite.	Mastic Asphalt.	Ningpo Stone.	Total.
	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>	<i>m. yds.</i>
English ..	14-601	1-833	1-1,614	3-768	96	712	304	1,609	1-187	525	24-209
Hongkew ..	7-633	2-336	1-964	5-108	656	1-764	..	15	..	1-45 7	19-413
Total ...	21-1,234	3-1,169	3-818	8-876	752	1-1,476	304	1,624	1-187	1-982	

### ROAD IMPROVEMENTS.

#### *Road Widenings.—*

The greater part of the work under this heading has been done in the English Settlement. In all cases where applications were received for permits to build on roads included in the Scheme of Road Widenings drawn up in 1894, overtures were at once made to the owners with a view to the necessary strips of land being acquired by the Council.

During the year 23 applications have been made to owners, widenings have been effected in 8 cases, and a "give and take" line in 1 case, while in 5 others negotiations are still pending.

The following table shews the widenings which have been effected :—

Name of Road.	Locality.	Registered Owner.	Consular Lot Number.	Cadastral Number.
*Hankow ...	Cathedral Compound	Trinity Cathedral Trustees.	1277	.....
†Nanking and Honan.	South-east corner of Nanking and Honan Roads.	H. G. Pierson and C. Wilson (trust)	58a B.C.	165
Peking ...	Between Fuhkien and Shanse Roads, south side.	J. Ambrose ...	916 B.C.	311
Peking ...	South-east corner of Shanse Road.	D. M. Henderson	1709 B.C.	195
Szechuen ...	Between Foochow and Hankow Roads, east side.	Sir R. Hart, Bart.	11b B.C.	46
Shantung ...	Between Canton and Foochow Roads, west side.	Dr. A. Barton ...	191 B.C.	436
Tientsin ...	Between Fuhkien and Chili Roads, north side.	T. Hanbury ...	430 B.C.	350
North Soochow...	Between North Chekiang & Sih-king-koon-soo Roads, north side.	Société des Mission Etrangères.	1445 B.C.	10 Hongkew
Woosung ...	Immediately north of Pok-chuen-hong-pang, west side.	Yee Chan Ching...	Unreg.	.....

\* Leased.

† "Give & Take" Line.

### NEW ROADS AND ROAD EXTENSIONS.

Land.—

The following road extensions have been arranged for:—

Name of Road.	Locality.	Registered Owner.	Consular Lot Number.	Cadastral Number.
Yuhang ...	East of Hongkew Creek.	Chi Liu Kung Su	Unreg.	.....
Seward ...	No. 16 Road Extension.	A. Wilson...	2268 B.C.	1337 b 1338
do.	do.	Schiller & Co. ...	2078 B.C.	1337 a
Chapoo ...	South of Pok-chuen-hong-pang.	T. W. Kingsmill ...	825 U.S.	.....
No. 30 ...	West of Woosung Road, north of Pok-chuen-hong-pang.	Yee Chang Chin...	Unreg.	.....



*North Soochow Road [Between North Chekiang Road and Boundary Stone No. 1.]*

Name of Road.	Locality.	Registered Owner.	Consular Lot Number.	Cadastral Number.
North Soochow	Between North Chekiang Road and Boundary Stone No. 1.	Shanghai Silk Filature, Ltd.	439 P.C.	4 Hongkew.
do.	do.	do.	652 U.S.	3011 Hongkew.
do.	do.	do.	1650 B.C.	1 Hongkew.
do.	do.	do.	651 U.S.	2a Hongkew.
do.	do.	do.	837 U.S.	.....
do.	do.	do.	386 U.S.	3 Hongkew.
do.	do.	do.	655 U.S.	1a Hongkew.

*North Soochow Road [Between North Fuhkien Road and North Chekiang Road].*—The owners named below have agreed to surrender free of cost the land necessary for a road thirty feet in width.

Name of Road.	Locality.	Registered Owner.	Consular Lot Number.	Cadastral Number
North Soochow	Between North Fuhkien and North Chekiang Road.	Wm. Hogg ...	706 B.C.	19 Hongkew.
do.	do.	Société des Mission Etrangères.	1739 B.C.	13 Hongkew.
do.	do.	C. Dowdall and F. Ellis.	1959 B.C.	18 Hongkew.
do.	do.	C. Dowdall ...	1289 B.C.	17 Hongkew.
do.	do.	Comptoir d'Es-compte de Paris.	362 B.C.	14 Hongkew.
do.	do.	Fong Chun Kee ...	Unreg.	.....

*North Chekiang Road.*—The provision of direct communication between the English Settlement and the Railway Station being extremely important, the Council have given particular attention to the extension of the North Chekiang Road.

For some 600 feet north of the Soochow Creek the road has been constructed, the width varying from 24' to 31'. It is the intention of the Council that the continuation should be laid out 40' wide in the first place, and that the portion already constructed should be widened as opportunity offers.

Arrangements have been made for the acquisition of the necessary land for a considerable section of the road, as will be seen in the list below:—

Name of Road.	Locality.	Registered Owner.	Consular Lot Number.	Cadastral Number.
North Chekiang	Between Foo-yuen-dong Cemetery and Pok-chuen-hong-pang.	A. Wilson ... ..	830 U.S.	.....
do.	do.	Chang Mo Mo ...	Unreg.	.....
do.	do.	Chang Sze Youn ...	Unreg.	.....
do.	do.	Wong Chang Chang	Unreg.	.....
do.	do.	Chang Ko San ...	Unreg.	.....
do.	do.	O. Middleton ...	2465 B.C.	.....
do.	do.	Dzung Hwong Sung	Unreg.	.....

*North Szechuen Road Extension.*—Arrangements for acquiring the land for this important extension have been completed, and there will now be direct communication with the Rifle Range Road.

The following land has been acquired :—

Name of Road.	Locality.	Registered Owner.	Consular Lot Number.	Cadastral Number.
North Szechuen	From present termination to Rifle Range Road.	Mrs. A. Schroers	51 G.C.	468. Hongkew.
do.	do.	G. Davies ...	1774 B.C.	469 Hongkew.
do.	do.	Yee Chan Ching	Unreg.	.....

Mrs. SCHROERS has also undertaken to surrender a portion of B.C. Lot 1779, but the transfer is not yet completed.

*Wetmore Road Extension.*—North of Yangtze-poo Road.

1m. 1f. 7l. 5h. of land necessary for the construction of a 30' road 285' long has been surrendered, free of cost, from B.C. Lot 2429 (T 455) by Mr. W. A. C. PLATT.

MESSRS. MORRISON & GRATTON have agreed to surrender a small portion of Lot 2277 B.C. for this road.

#### NEW ROADS—MAKING-UP, ETC.

The making-up, etc. of New Roads has remained in abeyance for some time, owing to want of funds and the difficulties in the way of obtaining material. A special appropriation and the opening-up of the Council's new Quarry has however enabled this work to be prosecuted with great vigour during the past year.

The following list shows what has been done :—

*Boone Road, between Chapoo and North Szechuen Roads.*—544 feet run of Hongkong granite kerb and 816 feet run of Hongkong granite channel have been laid.

The roadway has been bricked and metalled and the necessary gullies laid.

*Boone Road, between Purdon and North Szechuen Roads.*—This section, which was only bricked previously, has now been metalled.

*Boone Road, between North Honan and North Fuhkien Roads.*—The Nan-chuen-hong-pang and a tributary of it running southward, have been filled in. 852 feet run of 12" concrete pipe-drain with the necessary gullies and manholes have been laid.

A portion of this section, between the Bankers' Guild and the new road east of North Fuhkien Road, has been bricked. The section between North Fuhkien Road and the above-mentioned new road has been chip-paved, the length of this section being 202 feet and the average width 25 feet.

*Boone Road, between North Fuhkien and North Chekiang Roads.*—This portion of the Nan-chuen-hong-pang and a creek running at right angles to it for a distance of 360 feet to the northwards have been filled in for the purpose of converting them into roads.

The whole of the above has been bricked and chip-paved.

*Chaufoong Road, North of Seward Road.*—143 feet run of Hongkong granite kerb and channel has been laid on both sides, with the necessary gullies.

*Chapoo Road, North of Quinsan Road.*—130 feet run of 9" concrete pipe-drain has been laid, with necessary manholes and gullies, and the roadway bricked and sanded.

251 feet run of Hongkong granite kerb and channel has been laid on both sides of the road.

*Chapoo Road, between Boone and Quinsan Roads.*—

This section, which was only bricked previously, has now been metalled.

*Dong-ka-loong.*—349 feet run of 9" pipe-drain, with the necessary gullies and manholes, have been laid round the western and northern boundaries of Cad. Lot 12, following the line of a creek which was filled in last year. The section between Sih-king-koon-soo Road and Cad. Lot 12 has been bricked and sanded.

*Dong-ka-loong, between Sih-king-koon-soo and North Fuhkien Roads.*—102 feet run of 9" concrete pipe-drain, with the necessary gullies and manholes, has been laid. A portion of this section has been bricked.

*Dong-ka-loong, between North Chekiang Road and Native Cemetery.*—This section has been bricked and sanded.

*Fearon Road, between Cattle-sheds and Rifle Range Road.*—This section has been bricked and sanded.

*Hanbury Road, between Yuenfong and Sing-kei-pang Roads.*—The necessary street gullies have been fixed, the manholes raised, 465 feet run of Soochow granite channel laid on both sides, and the carriageway metalled.

*Jansen Road, South of Yangtsze-poo Road.*—The roadway has been bricked and sanded and the necessary gullies laid.

*North Honan Road, between Boone Road and Boundary Stone No. 6.*—The ditch on the west side of this road, between the Old Rifle Butts and Boundary Stone No. 6, has been filled in with mud. The road, near Boundary Stone No. 6, has been widened and extended so as to form a junction with the road leading to the new Railway Station. No. 6 Boundary Stone has been sunk beneath the roadway so as not to impede the traffic. 753 feet run of Hongkong granite kerb and 962 feet run of Hongkong granite channel have been laid, and the road bricked and sanded. A strip, 4' wide, on the west of the Old Rifle Butts, has also been bricked and sanded. The necessary gullies have been laid.

A further section of this road, between Boone Road and Cad. Lot 75, has been bricked, and 501 feet run of Hongkong granite kerb and channel have been laid on the west side, between the Nan-chuen-hong-pang and the Pok-chuen-hong-pang.

*North Szechuen Road, north of Quinsan Road.*—133 feet run of Hongkong granite kerb and 130 feet run of Hongkong granite channel have been laid. This portion of the road has been metalled and the brick gullies replaced by concrete ones.

*North Chekiang Road, between Dong-ka-loong and Tsepoo Roads.*—This road has been raised with mud, the dimensions of the raising being 240' by 30'. 843 feet run of Hongkong granite kerb and 863 feet run of channel have been laid on both sides of the road.

*North Chekiang Road, between North Soochow Road and North Side of Native Cemetery.*—The necessary street gullies have been fixed. The section between North Soochow Road and Dong-ka-loong has been bricked.

*North Fukkien Road, between Tsepoo Road and Boone Road.*—228 feet run of 9" concrete pipe-drain, with the necessary gullies and man-holes has been laid, discharging into 12" pipe-drain in the Boone Road. This section, 175 feet in length, has been chip-paved and concrete channel laid on both sides.

*New Road, between Boone and Tsepoo Roads.*—209 feet run of 9" concrete pipe-drain, discharging into 12" pipe-drain in the Boone Road, and the necessary small gullies, etc. have been laid.

*Rifle Range Road, between Woosung and Fearon Roads.*—The whole of the above section has been raised with mud and bricked and sanded. 197 feet run of Hongkong granite kerb and 288 feet run of Hongkong granite channel have been laid along a portion of the road.

*Rifle Range Road, between Woosung and North Honan Roads.*—217 feet run of 2' 3" by 1' 6", and 1,000 feet run of 1' 6" by 1' 0" sewer-tubes, with 1,000 feet run of 12" and 375 feet run of 9" concrete pipes have been laid to drain this road, with the necessary manholes and gullies.

1,223 feet run of Hongkong granite kerb and channel have been laid in front of the existing foreign houses, and the whole road, 2,592' by 40', has been bricked and sanded.

*Road No. 35.*—A 3' circular brick culvert, 120 feet in length, has been built in creek on line of road extension No. 35, adjoining Cad. Lot 1334, and the creek filled in, a road formed, bricked and sanded.

*Seward Road, between Kungping Road and "Wayside."*—This section has been metalled, the manholes have been raised, the necessary street gullies fixed, and 1,973 feet run of Soochow granite kerb and 2,076 feet run of Soochow granite channel laid on both sides.

*Sing-kei-pang Road, between Sing-kei-pang and Hanbury Roads.*—433 feet run of Soochow granite kerb and channel have been laid on both sides and the carriageway metalled and the necessary gullies fixed.

*Sih-king-koon-soo Road, between Dong-ka-loong and Tsepoo Roads.*—381 feet run of 12" pipe-drain, with the necessary manholes and gullies, discharging into the Soochow Creek, have been laid by contract. The necessary gullies have been laid and connected with the main sewer by the Council's workmen.

*Sih-king-koon-soo Road, between Dong-ka-loong and North Side of Native Cemetery.*—This section has been bricked and sanded.

*Thorburn Road.*—A short length of concrete culvert has been built in the Cha-ka-pang.

The section of this road between the Yangtsze-poo Road and the Cha-ka-pang has been raised 3 feet and bricked and sanded. 240 feet run of 12" pipes with the necessary gullies and manholes have been laid to complete the drainage of this portion of the road.

*Tsepoo Road, between North Kiangse and North Honan Roads.*—This section of the road has been raised and bricked and the necessary gullies have been laid.

216 feet of 12" pipes have been laid and the necessary manholes constructed. The roadway has been chip-paved for a distance of 356 feet and 712 feet run of concrete gutters constructed.

*Tsepoo Road, between North Honan and North Fuhkien Roads.*—This section has been raised and bricked. The necessary gullies have been laid and the roadway chip-paved for a length of 928 feet.

A portion of this road, 185' by 12' 6", has been chip-paved where widened, and 80 feet run of concrete gutters laid.

*Woosung Road, North of Rifle Range Road.*—1,363 feet run of Hongkong granite kerb and channel has been laid on both sides and concrete street gullies placed where necessary.

The carriageway, 686 feet in length, has been chip-paved.

*Wetmore Road, South of Yangtsze-poo Road.*—The manholes have been raised and fitted with iron covers, and gullies, with the necessary connections, have been laid temporarily.

*Wetmore Road, North of Yangtsze-poo Road.*—A 12" pipe-drain, 372 feet in length, with the necessary manholes and gullies, has been laid. The road has been bricked and sanded.

*Yangtsze-poo Road.*—A large amount has been done in connection with this road, a portion of the work being charged to maintenance and the remainder to "New Roads," as provided in the Budget.

The whole of this road, between the Ewo Road and Yangtsze-poo Creek, 7,400 feet in length, has now been made up and metalled, and the road, which until a year or two ago was only a country road with a

strip of metal from 12' to 15' wide, has been transformed into a main thoroughfare 60 feet in width.

38 feet run of Hongkong granite kerb and channel has been laid on the south side near the Ewo Mill, 940 feet run of Soochow granite kerb and channel on the same side, between the Paper Mill and Birt's Wharf, 230 feet run of Hongkong granite kerb and channel on the north side of the road opposite the Waterworks and 594 feet run of Hongkong granite kerb and channel between the Ewo Mill and Jansen Road.

The road has been metalled to its full width between Changkee's Filature and the Bridge, a distance of about 1,200 feet, between Messrs. Jardine, Matheson & Co.'s Waste Silk Filature and Wetmore Road, a distance of about 200 feet; between the Ewo Road and the Paper Mill, a distance of about 2,000 feet; and between Jansen and Wetmore Roads, a distance of about 2,800 feet.

28 chip-paved gate crossings have been laid, the total length being 490 feet.

The north side of the road, between Jansen and Thorburn Roads, and the ditch opposite the Soy-chee Mill, have been filled in, and the road widened to 60 feet.

*Yuenfong Road from Sin-kei-pang, Northwards.*—1,015 feet run of Soochow granite channel has been laid on both sides, the roadway metalled and the necessary concrete street gullies fixed.

*Yuhang Road, East of Hongkew Creek.*—The road has been bricked up to the Hongkew-ka and the necessary gullies laid.

The 2' 3" by 1' 6" concrete sewer discharging into the Hongkew Creek, has been extended 20 feet.

Particulars of the footway paving which has been done in connection with new road work will be found on pages 180 and 181.

#### GAS AND WATER TRENCHES.

The total length of openings on the public roads made by the Gas and Water Companies during the past year was 6 miles 449 yards, against 9 miles 323 yards in 1897.



Company.	English Settlement.	Hongkew Settlement.	Outside Roads.	Total.
	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
Gas Co. ... ..	3,499	14,570	336	18,405
Waterworks Co.	2,314	7,573	4,736	14,623
Total ...	5,813	22,143	5,072	33,028

## LABOUR.

The number of coolies and artisans employed on public works, including labour for repairing openings made by the Gas and Water Companies, but exclusive of labour on contract work and the drainage of private properties, as compared with 1897, has been as follows :—

			1897.	1898.
Coolies ... ..	...	...	174,805	253,404
Artisans ... ..	...	...	91,941	187,408
			<u>266,746</u>	<u>440,812</u>

giving an average number per working day as under :—

			1897.	1898.
Coolies ... ..	...	...	590	850
Artisans ... ..	...	...	310	629
			<u>900</u>	<u>1,479</u>

## PORTLAND CEMENT CONCRETE WARE.

During the past year the Department has made the following pipes, tubes, etc. in Portland cement concrete :—

4,342—12"	Drain Pipes.
10,249—9"	do.
22,470—6"	do.
16,585—4"	do.
54—12"	Inverts.
41—9"	do.
32—6"	do.

172—12'' × 6''	Junctions.		
210— 9'' × 6''	do.		
214— 9'' × 4''	do.		
1,047— 6'' × 4''	do.		
86— 4'' × 4''	do.		
442— 6''	Bends.		
856— 6''	Knuckle Bends.		
3,353— 4''	do.		
1,080—2' 3'' × 1' 6''	Egg-shaped Sewer-tubes.		
1,436—1' 6'' × 1' 0''	do.	do.	
26—1' 6'' × 1' 0''	do.	do.	Inverts.
9—2' 3'' × 1' 6''	do.	do.	Junctions.
44—1' 6'' × 1' 0''	do.	do.	do.
112—2' 3'' × 1' 6''	do.	do.	Outlets.
4—3' 0''	Circular Sewer-tubes.		
4,359—	Figure A Yard Gullies.		
562—	Figure B do.		
520—	Street Pot Gullies.		
2—	Grease Traps.		
2—	Kitchen Sinks.		

Total quantity of concrete ware manufactured during the year= 68,309 pieces, against 77,891 pieces made in 1897.

The Portland cements used for the above and other purposes have been carefully tested and a record kept.

#### TRAMWAYS.

Acting under the instructions of the Council the writer, with the assistance of the Electrical Engineer, has prepared a pamphlet for the information of tenderers for a Tramway Concession, embodying the conditions laid down by the Special Commission.

In drawing up the conditions existing agreements in connection with Tramway Concessions have been freely consulted, and the interests of the public have been protected in every way possible.

Some of the conditions may appear to be unusual, but they are the result of long experience of Municipalities in such matters, and

similar clauses are embodied in representative Tramway Agreements made by Municipal Corporations elsewhere.

The information contained in the pamphlet (which covers over fifty pages of printed matter) has been made very complete, in order, if possible, to give tenderers at a distance an opportunity of tendering without having to send a representative to Shanghai.

Nine sheets of plans, shewing the proposed routes, etc. have been prepared for inspection in this Office, and copies of these, together with photographs, etc. have been lodged in London, New York, Paris, Berlin and Brussels.

#### TELEPHONES.

Acting under the instructions of the Council the writer, with the assistance of the Electrical Engineer, has drawn up a pamphlet for the information of tenderers for a Telephone Concession.

The pamphlet covers about 30 pages, and a good deal of the matter is a repetition of the Tramway particulars.

Four sheets of plans shewing the existing telephones, wires, etc. have been prepared for inspection in this Office, and copies of these, together with photographs, etc. have been lodged in London, New York, Berlin, Paris, Stockholm and Brussels.

#### PERMITS.

3,307 Permits were issued by this Department during 1898, as against 3,673 in 1897. The documents are mostly made out in triplicate, and include permits for the following work :—

Erecting new houses, repairing and painting houses, etc., fixing verandahs, weather-boards and sign-boards to houses, enclosing ground, laying gas and water mains and services, landing and conveying machinery, building materials, etc. through the streets, carrying mud for raising ground, erecting and renewing telephone and electric light poles, beaching house-boats for repairs, launching boats, erecting sunshades, etc. etc.

#### SANITARY.

*Steam Disinfecter.*—During the past year the Disinfecter at the General Hospital has been worked on 14 different occasions.

INSPECTION OF BOILERS.

*Boiler Inspector's Office,  
(Engineer & Surveyor's  
Department.)*

*4, Fearon Road,  
Shanghai, 12th January 1899.*

SIR,

Herewith I beg to hand you my Report on Boilers:—

During the year I have inspected 113 boilers of various kinds and have made 93 other inspections, while steam has been up, for the purpose of testing valves, etc.

I am pleased to say considerable improvement is shown by the way many of the boilers are now kept. Several grave cases have, however, come under my notice, notably four large boilers the shells of which (after the brickwork had been removed from under front ends) I had no difficulty in driving my hammer through.

I am also pleased to say that the proprietors of three of the Lithographic Works in Nanking Road have discarded their old boilers and have had gas engines put in their place.

I have further inspected several faulty lightning-conductors and have had them renewed, the erection having been done by the Electrical Department.

I am, Sir,

Your obedient servant,  
J. B. ROACH,  
*Boiler Inspector.*

CHARLES MAYNE, Esq.,  
Engineer and Surveyor.

---

BOUNDARY OF HONGKEW.

The Municipal boundaries are inspected from time to time, and the interests of the Municipality are being carefully looked after. In June last the annual rental of the twenty-eight boundary stones on Native-owned land was paid at the Mixed Court, in accordance with the terms of the Agreement made with the Chinese Authorities.

Boundary Stones Nos. 1 and 6, situated on the lines of the North Soochow and North Honan Road Extensions respectively, being in the way of the traffic, have been sunk below the level of the roadway.

#### CADASTRAL PLANS.

Under the arrangement whereby the Council are notified of any Official measurements of new lots within Municipal limits, 93 surveys have been attended and notes taken as to localities and boundaries of each, the new lots being plotted on the Cadastral Plans forthwith.

In September last, in order to facilitate the preparation of a Cadastral Plan when the Settlements are extended, the Consulates agreed to notify the Council of the Official measurements of lots outside the limits.

Since the above date representatives of the Department have been present at 57 Official measurements, bringing up the total number of attendances at these surveys to 150.

It will be readily understood that attendance at these Official measurements (the lots often being very far apart) involves a considerable amount of work, but I am of opinion that it is time well spent, as the information obtained in connection with the positions of the lots will be of great use when the Settlement Extension survey is being proceeded with.

#### SETTLEMENT EXTENSION.

Preparations are being made in connection with the plans which will be required directly the negotiations for Extension are completed, and with this end in view careful surveys are being made of all the Outside Roads.

#### NEW BUILDINGS.

During the past year permits have been issued for the erection of 3,263 new houses, against 3,401 in 1897.

For the sake of comparison the figures for different years since 1890 are given:—

Year.	English Settlement.	Hongkew Settlement.	Total.
1890	529	907	1,436
1891	1,040	733	1,773
1892	453	1,280	1,733
1893	819	1,277	2,096
1894	544	1,809	2,353
1895	775	2,625	3,400
1896	1,131	2,166	3,297
1897	765	2,636	3,401
1898	1,092	2,171	3,263

## RIFLE RANGE.

The creek at junction of the old Railway Road and the approach road to the Range has been culverted, 15—2' 3" by 1' 6" egg-shaped concrete sewer-tubes having been laid. A 10' road has been constructed from this point to the Competitors' Pavilion, a distance of 365', the ground around the Pavilion has been raised, and 7 ash trees have been planted.

A new road, 682' by 15', has been formed at the south end of the Range, and a new hardwood bridge, 18' 6" by 18' 0", has been constructed over the creek running along the southern boundary of the Range. 10,496 feet run of bamboo fencing has been erected to enclose the Range and adjoining Municipal property.

Two iron mantlets, with cement concrete floors, have been erected and two iron targets on concrete foundation fixed. The ditch in front of the stop butt has been filled in and a small drawbridge, with the necessary bunding, constructed across the creek behind the stop butt.

The markers' mound has been raised and turfed, 24 wooden targets of different sizes have been made, and a complete Bisley Telephone installation has been erected.

## OUTSIDE ROADS.

*Widening of Jessfield Road.*—Negotiations have been commenced for the widening of the Jessfield Road, from the Turn at Bubbling Well to the "Loop," the intention being to increase the width from 20' to 40'.

The foreign owners of land fronting on the road have been approached, and it is satisfactory to note the generous spirit in which the wishes of the Council have been met.

The following table shews the land which has been arranged for up to the present :—

Name.	Lot No.	Area.
		<i>m. f. l. h.</i>
H. Ollerdesen ... ..	770 U.S.C.	0 7 1 9
Parsee Community of Shanghai ...	764 U.S.C.	0 1 4 2
E. Hjousbery ... ..	792 U.S.C.	0 2 8 1
W. G. Pirie ... ..	2454 B.C.	0 2 4 5
do. ... ..	2210 B.C.	0 3 1 3
do. ... ..	2640 B.C.	0 1 6 2
G. Bovet ... ..	2401 B.C.	0 0 5 2½
do. ... ..	2698 B.C.	0 4 3 7½
do. ... ..	2699 B.C.	0 5 9 5
J. J. Buchheister ... ..	144 G.C.	0 0 9 9
C. Stepharius ... ..	145 G.C.	0 1 9 2
Mrs. Atkinson ... ..	.....	0 1 '3 4
E. Hey ... ..	Registration in- complete.	.....

The whole of the above land has been surrendered to the Council free of cost with a proviso that in the event of any foreigner receiving compensation, all owners should be treated alike.

The total length of frontage on the road is 3,800 yards, 1,560 yards belonging to foreigners and 2,240 yards to Chinese. Of the frontage owned by foreigners 1,253 yards has been surrendered up to the present, and I hope that the remaining owners will soon follow the example of the majority.

*Bubbling Well Road.*—The 6" drain in front of Ewo Terrace has been taken up and replaced by a 9" concrete pipe-drain, 322' in length, with the necessary gullies and manholes.

The riding path between the old Horse Bazaar premises and the Grand Stand entrance, and between the Country Club and Bubbling Well, has been bricked and metalled, a distance of 8,366 feet.

*Jessfield Road.*—The first culvert has been renewed and extended. Wooden railing has been erected at dangerous places. A 9" concrete pipe-drain, with the necessary manhole and gully connections, has been laid at Sankadoo, discharging into the creek. The road through the Jessfield Village has been metalled.

*Park Road.*—Chip-paved gutters have been laid between Avenue and Sinza Roads and the necessary gullies have been fixed.

*Yangtsze-poo Road.*—890 feet run of 12" concrete pipe-drain, with the necessary gullies and manholes, discharging into the Yangtsze-poo Creek, has been laid.

A 9" concrete pipe-drain, 324' in length, has been laid, discharging into a creek on the north side of the road, and the necessary manholes and gullies have been built.

The road between the Hwa Sheng Cheong Cotton Cloth & Yarn Co.'s Mill and the Yangtsze-poo Creek has been bricked.

The bunding east of the "Point" has been renewed.

*Old Cemetery Road.*—

380 feet run of wooden bunding in the old Cemetery Road has been repaired.

*Markham Road.*—

A 12" concrete pipe-drain, with the necessary manholes and gully connections, has been laid, at the expense of the Hun Tai Silk Filature, in front of their premises on the Markham Road.

The bamboo fence on the bank of the Soochow Creek at the Markham Road Chip Yard has been renewed.

The various Outside Roads have been metalled and repaired when necessary, and 97 trees have been planted.



### TREES.

75 large trees have been transplanted on the north side of the Yangtsze-poo Road, between Changkee's Filature and the Laou Kung Mow Mill.

There are now 4,472 trees on the public roads in charge of the Department.

### ANTI-PLAGUE PREPARATIONS.

The sheds at the Fumigation Station and the Yangtsze-poo Plague Station have been repaired and whitewashed.

A bamboo partition and new doors have been erected to patients' ward and a flagstaff put up at the Yangtsze-poo Plague Station. The landing-stage to this Station has been repaired.

### CLEANSING AND SCAVENGING.

The cleansing, scavenging and watering of the roads was transferred from the Sanitary Department to this Department on the 1st October last.

Hitherto the roads have been made and repaired by one Department and watered and cleansed, etc. by another branch under different control.

The Department responsible for making and repairing the roads should certainly have the entire control of their maintenance, and the amalgamation of the two branches should have a beneficial effect generally.

The work is in charge of the Inspector of Roads, assisted by two foreign district overseers and a staff of native foremen. The average daily labour employed is 354, and there are 78 ponies and carts in regular use.

In addition 21 patent brushes and machine scrapers are turned out on wet days.

One cartload of Shanghai garbage weighs from 1 ton to 25 cwt., a load of road detritus and sweepings and a load of gully deposit about a ton each.

On the 6th January last 160 loads of garbage, 20 loads of road sweeping and detritus, and 25 loads of gully deposit, in all 205 loads, were collected and disposed of during the day. The garbage contractor takes delivery at the disposal stations and sends the stuff up-country.

75,930 tons of refuse was collected during 1898, and assuming that the quantity will amount to about the same as last year, the cost of disposal only for this year will work out at \$0.094 per ton—a very low figure.

The Appendix marked A gives details of the monthly collection under the different heads.

### MUNICIPAL PROPERTIES.

The following is a complete list of all the Municipal properties in charge of this Department.

Reference No.	Description of Property.	Title Deed Numbers.	Cadastral Lot Numbers.		Remarks.
			English Settlement.	Hongkew Settlement.	
1	Municipal Offices ...	{ 57 B.C. 57a B.C.	170 169 }	...	
2	Central Police Station ...	59a B.C.	172	...	
3	Louza Police Station ...	{ 1722 B.C. Portion of 1313 B.C. }	621	...	
4	Hongkew Police Station .	1157 B.C.	...	617	
5	Carter Road Police Station	1672 B.C.	Outside Limits		
6	Yangtze-poo Road Police Station.	973 B.C.	...	1521	
7	West Hongkew Police Station.	{ 2345 B.C. 2462 B.C.	...	...	
8	"Wayside" Police Station	2261 B.C.	...	1334	
9	Central Electric Lighting Station.	{ 597 U.S.C. 2058 B.C.	...	630 630a	
10	Shanghai Public School .	{ 1846 B.C. 1974 B.C.	...	431 430	
		{ 2007 B.C. 933 B.C.	...	428	
11	Lock Hospital ...	{ 936 B.C. }	676	...	
12	Public Abattoirs ...	{ 560 B.C. 564 B.C.	...	629 628	
		{ 376 U.S.C. 2109 B.C.	...	669	
13	Cattle-sheds ...	{ 395 U.S.C.	...	668	

Reference No.	Description of Property.	Title Deed Numbers.	Cadastral Lot Numbers.		Remarks.
			English Settlement.	Hongkew Settlement.	
14	Drill Hall and Public Market.	1305 B.C.	631	...	Leased.
15	Hongkew Market ...	1967 B.C.	...	618a	
16	Public Recreation Ground	715 B.C.	Outside Limits		
17	Public Garden ... ..	...	...	...	
18	New Public Garden ...	...	...	...	
19	Bund Foreshore ... ..	...	...	...	Lease expires in June.
20	Old Cemetery—Pah Hsien-jao.	813 B.C.	Outside Limits		
21	Bubbling Well Cemetery	2179 B.C.	Outside Limits		
22	Shantung Road Cemetery	74 B.C.	251	...	
23	Pootung Cemetery ...	181 B.C.	Outside Limits		
24	Soldiers' Cemetery ...	...	Outside Limits		
25	Thibet Road Depôt ...	{ 552 B.C. 553 B.C. }	573	...	
26	Hongkew Depôt ... ..	{ 1885 B.C. 375 U.S.C. 383 U.S.C.	...	3904 3906 3905	
27	Canton Road Depôt ...	299 U.S.C.	...	...	
28	Markham Road Depôt ...	1414 B.C.	Outside Limits		Leased.
29	Jessfield Road Depôt ...	...	Outside Limits		
30	Nursery Garden, Markham Road.	1190 B.C.	Outside Limits		
31	Bun-tong-loong Latrine .	284 B.C.	...	...	
32	Durpoe Road Latrine ...	649 U.S.C.	...	357a	
33	Morrison Road Latrine...	4 P.C.	...	635a	
34	Hanbury Road Latrine ...	Unregd.	...	...	
35	Seward Road Latrine ...	2062 B.C.	...	1004a	
36	Lou-ka Latrine ... ..	2006 B.C.	...	972a	
37	Broadway Latrine ...	2093 B.C.	...	964a	

Reference No.	Description of Property.	Title Deed Numbers.	Cadastral Lot Numbers.		Remarks.
			English Settlement.	Hongkew Settlement.	
38	Sih-king-koon-soo Road	Unregd.	...	...	
39	Latrine,				
39	Boone Road Latrine ...	"	...	...	
40	New Rifle Range ...	...	Outside Limits		
41	Public Park, Hongkew ...	2220 B.C.	...	...	
		2565 B.C.	...	...	
		2566 B.C.	...	...	
		1554 B.C.	...	663	
		1684 B.C.	...	665	
		1871 B.C.	...	664	
		1873 B.C.	...	671	
		1875 B.C.	...	{ 659 } 660	
42	Isolation Hospital Site, Scott Road.	2224 B.C.	...	3947	
		377 U.S.C.	...	661	
		385 U.S.C.	...	662	
		394 U.S.C.	...	658	
		396 U.S.C.	...	666	
		729 U.S.C.	...	...	
		730 U.S.C.	...	...	
		548 B.C.	...	286	
43	Old Rifle Range ...	766 B.C.	...	276	
44	Additional land, Old Rifle Range, North Honan Road.	767 B.C.	...	476	
		2104 B.C.	...	275a	
45	Hongkew District Fire Station.	Part of 1530 B.C.	...	...	Leased.
46	Municipal Wash-house ...	Part of 767 B.C.	...	476	
47	Site for Nursing Home ...	2765 B.C.	...	...	
48	Plague Station at "Point"	...	Outside Limits		Leased.
49	Fumigation Station at "Point."	...	Outside Limits		Leased.
50	Plague Burial Ground at "Point."	2843 B.C.	Outside Limits		Title Deed not yet issued.

This being my tenth annual report I propose before concluding to give a condensed account of the most important works which have been carried out by this Department since I took charge in 1889.

Great changes will probably take place in Shanghai during the next ten years, and the particulars given below may be of interest at a future date.

---

Extensive work has been done in the way of bundings,\* but they do not call for special comment, being mostly of a standard type.

Thirteen new bridges have been erected. The Garden Bridge has been re-constructed, and two new bridges across the Soochow Creek are in progress.

The only building of any importance erected departmentally prior to 1889 was the Louza Police Station—a very fine building. Since that date the following buildings have been carried out under the direction of the writer :—

- Rebuilding of the Old Cemetery Chapel.
- Yangtsze-poo District Police Station.
- Additions, Hongkew Police Station.
- New Market, Hongkew.
- Public Slaughter-houses.
- Central Electric Lighting Station, Superintendent's Quarters, Godown, etc.
- Cattle-sheds, and Inspector's Residence.
- Crematorium and Chapel.
- Additions, Carter Road Police Station.
- West Hongkew Police Station.
- District Fire Station, Hongkew.
- " Wayside " Police Station (in progress).
- Dwelling-houses for Capt. & Deputy Superintendent of Police (first section of Municipal Buildings Scheme).
- Experimental Public Wash-house.
- Vaccine Station.
- Temporary Isolation Hospital Buildings.

\* Sheet piling or stone retaining walls to rivers, etc.

and the Drill Hall and Foreign and Chinese Markets, Nanking Road, in conjunction with Mr. F. M. GRATTON, F.R.I.B.A.

In addition to these, plans and estimates have been prepared for a Destructor Depôt, a Municipal Gaol, a Pasteur Institute, Municipal Stables and Cart-sheds and a scheme for Public Wash-houses,—all in abeyance for the present.

The Central Police Station, probably one of the finest buildings in the Settlements, was the result of an open competition, Messrs. KINGSMILL & ATKINSON being the successful Architects. The buildings were erected under the superintendence of the writer. In 1889 there were 17 public buildings in charge of the Department. There are now 62.

Steam Rolling was introduced soon after the writer's arrival and has conclusively shewn itself to be a great improvement on the coolie pulling method. Steam Rolling is a good deal cheaper and it does not take a month to metal a short piece of road.

The acquisition and making of new streets has gone on at a fair pace and a great many miles of road have been added to those already existing. A considerable number of road widenings have been effected, but on the whole progress has been slow. The difficulty in obtaining satisfactory material for roadwork and the dilatoriness of the Contractors caused the Council to take the granite supply into their own hands in 1896, and they are now in possession of an excellent stone quarry, about 150 miles from Shanghai, the supply from which will last for many years to come. A bungalow for the Overseer, dynamite magazine, and crushing plant, etc. have been erected. The quarry is managed by the Department and adds considerably to its responsibilities.

The roads are more difficult and costly to maintain than they were a few years ago on account of the enormous increase in the traffic. The mileage has of course increased but the widths of the carriageways practically remain the same.

In 1889 the total population was 171,950 and \*66,230 vehicles were licensed, including 28,171 Chinese wheelbarrows.† The present

---

\* Private vehicles are not licensed.

† One wheel 3 feet diameter and 1½" tyre.

population is estimated at 345,200, and the total number of vehicles licensed in 1898 was 115,173, including 52,546 wheelbarrows.

The large increase of population, of houses and of roads, entails extra wear on all parts of the Municipal system, so that every mile of new road does not simply increase the cost after the former rate of mileage, but it also involves more wear, produces more refuse matter, and increases the cost on the whole system.

Drainage work has progressed very satisfactorily. All connections with the public sewers are now made by the Department instead of the public roads being opened by the applicants as formerly. Inspection covers have been placed on the manholes of all the main lines of existing sewers, and ventilating shafts erected where necessary. The laying of flat bottomed brick drains on private properties has been prohibited and pipe-drains only are now used. All drains are laid in straight lines with inspection chambers at changes of direction. Every drain-pipe laid on private properties within the limits of the Settlements is inspected by an officer of the Department before being covered up, and since 1894 about  $37\frac{1}{2}$  miles of pipe-drain with 3,836 manholes have been laid (exclusive of work done by owners themselves) at the request of the applicants, by this Department on private properties for Chinese and others. This work is unique in the history of Municipal Administration and should have a very beneficial effect on the general sanitation of the Settlements in the near future.

The manufacture of concrete pipes, etc., commenced by the Council in 1891 on a very small scale, has developed into a large undertaking. Since that date about 323,000 pieces have been made, the bulk of which have been used by the Council and the public. The manufacture of this ware has saved the community a large amount of money, as the pipes are very much cheaper than imported pipes, and in addition have successfully stood the test of time. Experience has shown that they are particularly suited to the moist soil here, as the longer the pipes remain in the ground the harder they become. It may be noted that concrete sewers are extensively used in Europe and America.

A great many miles of main sewers—mostly concrete—the Chinese brick being as absorptive as a sponge—have been laid during the past ten

years, the most important being the main sewers on the Bund, Yangtsze-poo Road, Shanse Road, Hanbury Road, Honan Road, Shantung Road, etc. etc. The "Engineer" in a recent special article on Engineering Work in Shanghai said that "Shanghai lying on an absolute flat, only "slightly above the River level, has offered great obstacles to effecting "suitable drainage, and to the visiting Engineer it is a matter of great "wonder how, with such a teeming population in the Settlements, and "with a vastly more compact native town immediately alongside and "behind them, diseases can be successfully kept down."

Prior to 1889 very little had been done in the way of footway pavements. The Nanking Road and a portion of the Kiangse Road was paved with Soochow granite, and there were a good many miles of cobble paving in the minor streets. Since then the greater part of the Nanking Road and the Bund (west side) have been paved with mastic asphalte imported from home, and nearly all the footways in the most important thoroughfares in the two Settlements have been laid with permanent pavements. Experiments have been tried with all kinds of material, the most successful being a Portland cement concrete pavement laid on granite spalls placed on edge. This pavement has been found to stand the violent alternations of climate better than any other, and about  $8\frac{1}{2}$  miles of it have been laid to date.

Among the general work may be mentioned the widening of the Yangtsze-poo Road to 60 feet and the making-up and draining of same, the erection of public latrines for the Chinese in all parts of the Settlements where suitable sites could be obtained, the acquisition and laying-out of the Bubbling Well Cemetery, the acquisition of the land for the New Rifle Range and erection of butts, etc. thereon, the extension of the Hongkew Settlement, the laying-out of the Ince Garden and erection of lodges, and the bringing up to date of the Cadastral Plan of Hongkew—a work of considerable labour. I need hardly mention that the above work has involved the preparation of a great many plans of all kinds. The following Summary will give some idea of the increase in the work of the Department.



	1889.	1898.
Outward Letters and Reports, etc. ... ..	348	3,269
Official Orders for Material and Work ... ..	535	4,390
Accounts checked and certified for payment ... ..	269	1,595
Permits issued ... ..	1,955	3,307
Average number of Labourers and Artisans employed per Working Day throughout the year, <i>exclusive</i> of labour on contract work and the drainage of private properties ... ..	275	1,479*
Plans, Tracings, etc. prepared ... ..	No record	1,324

\* The taking over of the Cleansing and Scavenging Branch adds 354 per day to this total.

Since 1889, in addition to attendance at Committees, over six hundred special reports have been submitted to the Council, embracing almost every subject connected with the administration of a Public Works Department.

In conclusion my special thanks are due to the past and present members of my staff for the able way in which they have carried out the work entrusted to their care.

I have the honour to be,

Gentlemen,

Your most obedient servant,

CHARLES MAYNE,

*Engineer and Surveyor.*

J. S. FEARON, Esq.

J. PRENTICE, Esq.

M. ROHDE, Esq.

## APPENDIX A.

Monthly Return of Water used on the Public Roads and Cartloads of Garbage, Road Detritus and Gully Deposit collected :—

*English Settlement.*

1898.	Garbage Cartloads.	Road Detritus Cartloads.	Gully Deposit Cartloads.	Water Cartloads.
January ... ..	3,168	531	318	2,431
February ... ..	2,682	494	294	2,634
March ... ..	2,879	728	332	1,534
April ... ..	2,756	468	309	5,964
May ... ..	3,009	498	291	4,842
June ... ..	2,844	373	292	9,601
July ... ..	2,846	424	292	14,581
August ... ..	2,984	546	309	11,124
September ... ..	2,725	367	303	9,280
October ... ..	2,832	402	309	6,111
November ... ..	2,726	528	324	3,667
December ... ..	2,753	419	340	3,666
Total ...	34,204	5,778	3,720	75,435

*Hongkew Settlement.*

1898.	Garbage Cartloads.	Road Detritus Cartloads.	Gully Deposit Cartloads.	Water Cartloads.
January ... ..	2,440	433	345	1,348
February ... ..	1,990	243	310	1,743
March ... ..	2,193	313	372	1,268
April ... ..	1,908	326	349	4,546
May ... ..	2,144	295	340	4,148
June ... ..	1,979	286	324	8,316
July ... ..	1,835	340	337	12,941
August ... ..	1,907	408	367	9,087
September ... ..	2,024	294	350	7,606
October ... ..	1,999	281	337	5,533
November ... ..	1,899	362	365	3,135
December ... ..	1,929	243	361	2,995
Total ...	24,247	3,324	4,157	62,666

CEMETERIES.—The following statement shows the burials in the Old, Bubbling Well and Pootung Cemeteries from 1st January to 31st December 1898, as compared with preceding years:—

	1ST QUARTER. <i>Jan., Feb. &amp; Mar.</i>					2ND QUARTER. <i>April, May &amp; June.</i>					3RD QUARTER. <i>July, Aug. &amp; Sept.</i>					4TH QUARTER. <i>Oct., Nov. &amp; Dec.</i>					Grand Total.	
	Men.	Women.	Children.		Total.	Men.	Women.	Children.		Total.	Men.	Women.	Children.		Total.	Men.	Women.	Children.		Total.		
			Male.	Female.				Male.	Female.				Male.	Female.				Male.	Female.			
1868	Commencing from 27th June.					...	1	...	...	...	1	4	2	2	1	9	5	...	...	...	5	15
1869	7	1	1	...	9	2	...	...	1	3	12	2	4	1	19	6	4	2	...	12	43	
1870	4	...	1	2	7	5	1	...	...	6	3	2	3	1	9	5	2	...	1	8	30	
1871	5	1	...	...	6	2	1	...	...	3	6	...	2	5	13	8	2	...	2	12	34	
1872	3	1	...	...	4	6	1	...	1	8	11	...	1	...	12	5	1	...	1	7	31	
1873	12	1	...	...	13	5	2	1	...	8	5	1	1	...	7	7	2	2	...	11	39	
1874	9	1	2	...	12	3	...	3	...	6	14	5	1	4	24	10	...	3	1	14	56	
1875	5	2	3	...	10	6	1	...	...	7	10	...	1	1	12	14	2	1	...	17	46	
1876	7	...	1	3	11	12	...	1	1	14	18	2	1	1	22	14	1	2	...	17	64	
1877	15	...	1	...	16	12	...	...	1	13	25	1	2	2	30	18	3	3	1	25	84	
1878	14	1	...	...	15	13	2	2	1	18	29	1	2	5	37	18	4	4	...	26	96	
1879	6	...	1	2	9	15	...	3	3	21	21	3	5	2	31	13	1	2	3	19	80	

1880	10	1	1	...	12	13	2	2	...	17	10	2	1	2	15	17	3	2	1	23	67
1881	14	3	1	2	20	8	3	2	2	15	22	9	3	5	39	23	9	...	1	33	107
1882	11	2	1	...	14	13	2	2	5	22	17	4	5	1	27	18	7	3	2	30	93
1883	19	5	4	4	32	17	2	2	1	22	46	6	2	1	55	14	2	3	2	21	130
1884	12	2	5	3	22	10	1	2	...	13	15	...	2	5	22	14	2	2	1	19	76
1885	13	2	6	2	23	6	3	1	4	14	20	4	...	7	31	24	4	1	...	29	97
1886	12	3	6	4	25	14	5	4	1	24	26	6	...	1	33	27	6	4	6	43	125
1887	12	3	3	4	22	10	2	3	1	16	36	9	3	8	56	21	2	2	3	28	122
1888	15	2	5	2	24	8	4	5	2	19	22	2	2	4	30	19	3	2	2	26	99
1889	12	1	3	5	21	10	...	3	3	16	15	5	8	6	34	13	1	...	3	17	88
1890	10	7	2	4	23	11	2	2	3	18	31	15	9	7	62	13	3	1	3	20	123
1891	17	...	5	8	30	10	3	3	2	18	25	7	15	5	52	23	6	2	6	37	137
1892	6	5	8	3	22	15	1	...	3	19	19	5	2	4	30	17	5	2	1	25	96
1893	23	4	3	2	32	15	1	4	6	26	12	1	...	2	15	16	1	4	3	24	97
1894	16	6	5	6	33	11	5	3	1	20	18	5	8	7	38	13	8	8	4	33	124
1895	9	3	7	3	22	12	1	6	2	21	29	6	2	6	43	23	6	5	4	38	124
1896	23	8	5	9	45	26	2	...	3	31	24	7	5	3	39	13	4	1	1	19	134
1897	14	4	5	6	29	10	3	3	1	17	15	3	3	4	25	15	6	1	5	27	98
1898	14	5	5	2	26	8	3	0	4	15	24	5	7	6	42	14	4	3	2	23	106

## CONCRETE

Settlement.	Road.	Section.	Length in feet.	Size.	Shape.
Hongkew	Boone ...	West of North Honan Road	68	2'3" × 1'6"	Egg
"	No. 35 ...	Adjoining Cad. Lot 1334 ...	146	2'3" „ 1'6"	"
"	Rifle Range	Between Woosung and North Honan Roads ... ..	217	2'3" „ 1'6"	"
"	"	Between Woosung and North Honan Roads ... ..	1,000	1'6" „ 1'0"	"
"	Yuhang ...	East of Hongkew Creek ...	20	2'3" „ 1'6"	"
Outside Roads }	Jessfield ...	.....	40	1'6" „ 1'0"	"
"	Old Railway	Adjoining New Rifle Range	30	2'3" „ 1'6"	"
			1,521		

# SEWERS.

Average Gradient.	Where Discharge.				Number of		Plan.
					M.-holes.	Gullies.	
1 in 480	North Honan Road Sewer	...	...	...	...	...	
.....	(Culvert)	...	...	...	...	...	
.....	Hongkew Creek	...	...	...	14	50	
.....	" "	...	...	...			
1 in 480	" "	...	...	...	...	...	
.....	(Culvert)	...	...	...	...	...	
.....	(Culvert)	...	...	...	...	...	
					14	50	

## STONEWARE

Settlement.	Road.	Section.	12-inch		9-inch	
			Pipes.	Bends.	Pipes.	Bends.
English	<i>Municipal Buildings :</i>					
"	Louza Police Station	... ..	...	...	...	...
"	Public Mkt. & Drill Hall	... ..	...	...	...	...
Outside Roads }	Bubbling Well	... Near house No. 77	...	...	3	...
"	Bubbling Well	... In front Ewo Terrace	...	...		1
"	Sinza	... ..	2	...	...	...
Total			2	...	3	1

# PIPE DRAINS.

6-inch		4-inch		Average Gradient.	Number of		Where Discharge.
Pipes.	Bends.	Pipes.	Bends.		M.-hls.	Gullies	
...	...	...	...	...	...	1	
...	6	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	...	...	...	...	...	...	
...	6	...	...		...	1	



## CONCRETE

Settlement.	Road.	Section.	12-inch.		9-inch.	
			Pipes.	Bends.	Pipes.	Bends.
English	Amoy ...	West of Chekiang Road ...	...	...	...	1
"	Bund ...	North of Peking Road ..	...	...	...	...
"	Canton ...	Between Honan and Fuh-kien Roads ...	...	...	...	...
"	Chekiang ...	Between Nanking Road and and Soochow Creek ...	...	...	...	...
"	Foochow ...	Between Honan and Yunnan Roads ...	...	...	...	...
"	Fuhkien ...	Between Sungkiang and Tientsien Roads ...	...	...	...	...
"	Hankow ...	West of Honan Road ...	...	...	...	...
"	Hoopeh ...	... ..	...	...	...	...
"	Kiangse ...	... ..	...	...	...	...
"	Kiukiang ...	Szechuen Road junction ...	...	...	...	...
"	Kweichow ...	Between Nanking and Amoy Roads ...	...	...	...	...
"	Kwangse, Kiukiang & Kweichow ...	In front of Public Market...	...	...	...	2
"	Nanking ...	Near Honan Road ...	...	...	...	...
"	Soochow ...	Between Szechuen and Kiangse Roads ...	...	...	...	...
"	Sungkiang ...	... ..	...	...	...	...
"	Szechuen ...	Between Nanking and Kiukiang Roads ...	...	...	...	...
"	" ...	South of Foochow Road ...	...	...	...	...
<i>Urinals:</i>						
"	Chili ...	... ..	...	...	...	...
"	Shantung ...	... ..	...	...	...	...
"	Sungkiang ...	Near Chekiang Road Bridge	...	...	...	...
"	Yu-sing-ka ...	... ..	...	...	...	...
<i>Municipal Buildings:</i>						
"	Council Buildings .	... ..	...	...	...	...
"	Louza Police Station ...	... ..	...	...	...	...
"	Public Markets & Drill Hall	... ..	...	...	126	2
<i>Carried forward ...</i>			...	...	126	5

## PIPE DRAINS.

6-inch.		4-inch.		Average Gradient.	Number of		Where Discharge.
Pipes.	Bends.	Pipes.	Bends.		M.-hls.	Gullies	
3	1	...	...	...	...	3	Gully connections.
8	1	...	...	...	...	1	"
...	...	...	...	...	...	19	"
...	...	...	...	...	...	37	"
19	22	...	...	...	...	31	"
88	34	...	...	...	...	38	"
17	11	...	...	...	...	24	"
...	...	...	...	...	...	1	"
3	1	...	...	...	...	1	"
9	1	...	...	...	...	4	"
...	32	...	...	...	...	33	"
1	4	...	...	...	...	5	"
1	2	...	...	...	...	3	"
2	...	...	...	...	...	...	"
1	...	...	...	...	...	...	"
5	1	...	...	...	...	1	"
5	...	...	...	...	...	...	"
...	...	...	...	...	...	1	"
...	...	...	2	...	...	1	"
...	...	...	...	...	...	1	"
...	...	...	2	...	...	1	"
...	...	...	...	...	...	1	"
...	...	4	1	...	...	5	"
332	68	39	16	...	...	43	Nanking Road sewer.
494	178	43	21		...	254	

## CONCRETE

Settlement.	Road.	Section.	12-inch.		9-inch.	
			Pipes.	Bends.	Pipes.	Bends.
		<i>Brought forward ...</i>	...	...	126	5
Hongkew	Boone ...	West of North Honan Road	748	50	299	23
"	Broadway ...	Near Boone Road ...	...	...	...	...
"	Chapoo ...	North of Quinsan Road ...	...	...	63	2
"	Chaufoong ...	North of Broadway...	...	...	...	...
"	Dent ...	South of Seward Road ...	...	...	...	...
"	Dong-ka-loong ...	... ..	...	...	201	4
"	Fearon ...	... ..	...	...	...	...
"	Hongkew-ka ...	Near Yuhang Road ...	...	...	18	...
"	Hanbury ...	Near Miller Road ...	...	...	...	...
"	Hwakee ...	... ..	...	...	...	...
"	Jansen ...	South of Yangtzse-poo Road	...	...	...	...
"	Louza-ka ...	Between North Soochow and North Fuhkien Roads ...	...	...	15	...
"	North Honan	Between Boone Road and Boundary Stone No. 6 ...	...	...	...	...
"	" ...	Between North Soochow and Boone Roads ...	...	...	...	...
"	N. Chekiang ...	... ..	...	...	...	...
"	N. Szechuen ...	North of Quinsan Road ...	...	...	...	...
"	N. Soochow ...	Between Honan and North Szechuen Roads ...	...	...	...	...
"	" ...	Near Boundary Stone No. 1	...	...	...	...
"	N. Fuhkien...	Between Tsepoo and Boone Roads ...	...	...	193	18
"	Nanzing ...	Between Broadway and North Yangtzse Roads ...	...	...	...	...
"	Rifle Range .	Between Fearon and North Honan Roads ...	462	17	167	6
"	Seward ...	Between Kungping and Hwakee Roads ...	...	...	...	...
"	Sih-king-koon-soo...	... ..	168	12	...	...
"	Tsepoo ...	Between North Kiangse and North Honan Roads ...	104	6	...	...
"	" ...	Between North Honan Road and Dong-ka-loong ...	...	4	61	2
"	Thorburn ...	North of Yangtsze-poo Road	170	7	...	...
"	Tiendong ...	Between North Honan and Woosung Roads ...	...	...	...	...
"	Tsingpoo ...	Between Whangpoo Road and Broadway ...	...	...	...	...
		<i>Carried forward ...</i>	1,652	96	1,143	65

## PIPE DRAINS—(continued.)

6-inch.		4-inch.		Average Gradient.	Number of		Where Discharge.
Pipes.	Bends.	Pipes.	Bends.		M.-hls.	Gullies	
494	178	43	21		...	254	
337	141	...	...	...	16	74	North Honan Road sewer.
...	1	...	...	...	...	1	Gully connection.
18	3	...	...	1 in 480	1	3	Into the old drain.
2	...	...	...	...	...	2	Gully connections.
1	6	...	...	...	...	6	"
163	28	...	...	1 in 480	11	27	Sing-dong-ka-loong sewer.
16	...	...	...	...	...	1	Gully connection.
1	...	...	...	1 in 480	...	...	Yuhang Road sewer.
9	3	...	...	...	...	3	Gully connections.
24	7	1	2	...	...	9	"
65	24	...	...	...	...	12	"
21	10	...	...	...	...	6	"
157	9	6	...	1 in 480	...	35	Into the old drain.
78	32	...	...	...	...	27	Gully connections.
35	16	...	...	...	...	14	"
...	2	...	...	...	...	2	"
14	3	...	...	...	...	2	"
...	...	16	...	...	...	...	"
79	9	...	...	1 in 480	2	12	Boone Road sewer.
...	8	...	...	...	...	8	Gully connections.
538	130	...	...	...	22	71	Hongkew Creek.
17	81	...	...	...	...	73	Gully connections.
123	23	...	...	1 in 480	7	20	Soochow Creek.
37	8	...	...	1 in 480	5	9	North Kiangse Road sewer.
76	32	...	...	1 in 480	11	26	North Honan Road sewer.
70	28	...	...	1 in 480	7	20	Yangtze-poo Road sewer.
...	58	...	...	...	...	44	Gully connections.
10	10	...	...	...	...	10	"
2,385	850	66	23		82	771	

## CONCRETE

Settlement.	Road.	Section.	12-inch.		9-inch.	
			Pipes.	Bends.	Pipes.	Bends.
		<i>Brought forward ...</i>	1,652	96	1,143	65
Hongkew	Toong-dong-ka-loong ...	West of North Honan Road	...	...	...	...
"	Wetmore ...	South of Yangtsze-poo Road	...	...	...	...
"	" ...	North of Yangtsze-poo Road	168	8	...	...
"	Woosung ...	...	...	...	...	...
"	Woosung ...	South of Rifle Range Road	...	...	...	...
"	Yangtsze-poo	Between Ewo and Seward Roads	...	...	...	...
"	" ...	Near Laou-kung-mow Mill...	...	...	...	...
"	" ...	Opposite Yah-loong Mill ...	...	...	...	...
"	" ...	Near Jansen Road ...	...	...	...	...
"	" ...	...	...	...	...	...
"	Yuhang ...	East of Hongkew Creek ...	...	...	...	...
	<i>Urinals :</i>					
"	Broadway ...	...	...	...	...	...
"	Broadway & Seward ...	...	...	...	...	...
"	Woosung and Boone ...	...	...	...	...	...
	<i>Latrines :</i>					
"	Boone ...	...	...	...	...	...
"	" ...	West of North Honan Road.	...	...	...	...
"	Seward ...	...	...	...	...	...
"	Sih-king-koon-soo..	...	...	...	...	...
	<i>Municipal Buildings :</i>					
"	Cattle-shed	...	...	...	...	...
"	Hongkew Police Station	...	...	...	...	...
"	Hanbury Rd. Fire Station	...	...	...	...	...
"	Public Wash-house ...	...	...	...	70	...
"	Public Park	...	...	...	...	...
"	W. Hongkew Police Station	...	...	...	93	...
		<i>Carried forward ...</i>	1,820	104	1,306	65

## PIPE DRAINS—(continued.)

6-inch.		4-inch.		Average Gradient.	Number of		Where Discharge.
Pipes.	Bends.	Pipes.	Bends.		M-hls.	Gullies	
2,385	850	66	23		82	771	
...	...	...	...	...	...	1	Gully connection.
10	24	...	...	...	...	13	"
50	...	...	...	1 in 480	4	6	Yangtze-poo Road sewer.
11	30	...	...	...	...	26	Gully connections.
6	1	...	...	...	...	1	"
114	6	...	...	...	...	6	"
10	6	...	...	...	...	5	"
3	9	...	...	...	...	2	"
35	14	...	...	...	...	8	"
111	38	...	...	...	...	24	"
12	12	...	...	...	...	7	"
...	...	2	...	...	...	...	"
...	...	6	4	...	...	2	"
...	...	6	6	...	...	3	"
...	...	7	4	...	...	2	"
15	...	5	6	...	...	3	"
7	...	2	4	...	...	2	"
5	...	8	4	...	...	2	"
...	...	6	...	...	...	2	"
...	...	1	...	...	...	1	"
41	3	85	...	1 in 480	...	10	Hanbury Road sewer.
29	...	29	...	1 in 480	...	8	Rifle Range Road sewer.
303	32	150	49	1 in 480	...	6	Chapoo, Quinsan & Boone Road sewers.
87	...	97	...	1 in 480	...	9	Pok-chuen-hong-pang.
3,234	1,025	470	100		86	920	

## CONCRETE

Settlement.	Road.	Section.	12-inch.		9-inch.	
			Pipes.	Bends.	Pipes.	Bends.
		<i>Brought forward ...</i>	1,820	104	1,306	65
Hongkew	Vaccine Station ...	... ..	...	...	...	...
"	Yangtsze-poo Police Station ...	... ..	...	...	...	...
Outside Roads	Bubbling Well ...	In front of House No. 77 ...	...	...	...	1
"	" ...	In front of Ewo Terrace ...	...	1	96	8
"	Jessfield ...	... ..	...	...	74	2
"	Park ...	... ..	...	...	...	...
"	Sinza ...	... ..	...	...	13	...
"	Yangtsze-poo Public Recreation Ground ...	East of Yangtsze-poo Creek	414	17	150	8
"	"	...	150	4	...	...
"	<i>Latrines:</i> Public Recreation Ground ...	... ..	...	...	...	...
"	<i>Municipal Building:</i> Carter Road Police Station ...	... ..	...	...	...	...
<i>Total ...</i>			2,384	126	1,639	84

Total number of stoneware and concrete pipes

## PIPE DRAINS—(continued.)

6-inch.		4-inch.		Average Gradient.	Number of		Where Discharge.
Pipes.	Bends.	Pipes.	Bends.		M.-hls.	Gullies	
3,234	1,025	470	100		86	920	
93	...	26	...	1 in 480	...	3	Scott Road sewer.
...	...	21	...	...	...	3	"
29	1	4	...	...	...	...	
...	...	...	...	...	...	...	
10	...	...	...	...	...	...	
18	4	...	...	...	...	4	
23	1	...	...	...	...	2	
330	52	...	...	1 in 480	8	27	Yangtze-poo Creek.
230	...	33	...	...	...	10	
...	...	...	...	...	...	2	
52	9	27	11	...	...	16	
4,019	1,092	581	111		94	987	

and bends laid = 10,048 or 20,096 feet.



LAND PURCHASES AND TRANSFERS.

---

*Sale of Cadastral Lot 279.—*

The following correspondence arose in connection with the circular letter addressed to residents on the old Rifle Range [see page 240].

Shanghai, 30th April 1898.

DEAR SIR,—Before replying to your note of the 26th inst., I should be obliged by your letting me know if the Council are prepared to sell to me Cadastral Lot 279 at valuation price. I may say that I am agreeable to pay for making up of frontage which may be included with the other lots.

Yours faithfully,

J. C. GRANT.

J. O. P. BLAND, Esq.,  
Secretary, Municipal Council.

---

Council Room,

Shanghai, 13th May 1898.

SIR,—In reply to your letter of 30th April, I am now directed to say that the Council is prepared to sell to you Cadastral lot 279, Old Rifle Range, at the rate of Tls. 3,000 per *mu*; its measurement is 4 *li* 1 *haou*, and the cost will therefore be Tls. 123.

Should you accept this offer there will be an addition of 20 ft. 8 in. to your frontage on the Range, and the amount due by you, in emendation of my letter of 26th April, will be Tls. 314.66.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

J. C. GRANT, Esq.,  
Shanghai.

---

Shanghai, 14th May 1898.

DEAR SIR,—I am in receipt of your letter of the 13th inst., and in reply I have to say that I agree to take Cadastral Lot 279 at the price stated in your letter, *viz.* Tls. 123, and also to pay for the making up of frontage.

I herewith enclose compradore order for Tls. 437.66 (Four hundred and thirty-seven taels and candareens sixty-six) being Tls. 314.66 for making up of frontage and Tls. 123 in payment of Lot 279.

I shall be glad to know when it will be convenient to have Lot 279 transferred to me and oblige

Yours faithfully,  
J. C. GRANT.

J. O. P. BLAND, Esq.,  
Secretary, Municipal Council.

---

*Purchase of Land at Rifle Range Road.—*

The Council has completed the purchase of about 5 *mow* 8 *fun* of land on this road at a price of Tls. 2,600 per *mow*. The land adjoins the Council's existing lot in this locality which forms a portion of the old Rifle Butts, and it is proposed hereafter to erect the Victoria Nursing Home, the Pasteur Institute and other Municipal Health Department buildings on the increased lot thus formed.

---

*Purchase of Land fronting the West Hongkew Police Station.—*

With a view to securing a wide approach to this building, Lot 2462 B.C. was bought from Mr. N. E. O. P. CANNING. Its area is 5 *fun* 3 *li* 4 *haou* and the price paid was Tls. 2,350.

---

*Purchase of Land at New Rifle Range.—*

In May, through the instrumentality of Mr. JAMES SCOTT, the Vice-Consul in charge of H.M. Land Office, the purchase of about 60 *mow* of land situated on the west of the Range was completed. The price paid for this land was at the rate of Tls. 400 per *mow*, and its acquisition, besides providing an extensive drill ground for the Volunteers, will prevent a recurrence of the circumstances which led to the abandonment of the old Range.

---

*Purchase of Land for a Plague Burial Ground.—*

In September last, on the recommendation of the Sanitary Board, the Council decided to acquire a piece of ground in the vicinity of the Plague Station at the "Point" where cases of Plague might be buried should occasion arise. A piece of land having an area of 3*m.* 6*f.* 3*l.* 2*h.* was accordingly acquired at a cost of Tls. 1,452.80. Application has been made to H.M. Consulate-General for a title deed.

## ROAD WIDENINGS AND EXTENSIONS.

---

### *Hankow Road.*—

Council Room,  
Shanghai, 10th January 1898.

GENTLEMEN,—I am directed to lay before you a proposal by which the Council acquire a strip of the Cathedral compound on the south side for the purpose of widening the Hankow Road.

It is suggested that the Council pay a nominal rent for the land, and I enclose a plan showing in red the details of the area required.

The chief argument in favour of this proposal is that the Hankow Road is a narrow one, and the carriages of the congregation during service time cause the traffic to be congested and occasionally blocked.

Your reply to this letter the Council will be pleased to receive, if possible, at the meeting of the 19th instant.

I am, Gentlemen,  
Your obedient servant,  
J. O. P. BLAND,  
*Secretary.*

The Trustees of the Cathedral,  
Shanghai.

---

Shanghai, 18th January 1898.

DEAR SIR,—I have to acknowledge receipt of your letter of 10th instant, regarding the proposed acquisition by the Municipal Council of a strip of the Cathedral compound, for the purpose of widening the Hankow Road.

This proposal has been carefully considered by the Trustees, who have come to the following decision.

They are prepared to lease to the Council that portion of the Cathedral compound coloured *blue* on the plan sent them by the Municipal Surveyor, measuring 0m. 4f. 7l. 0h., on the following conditions.

The ground to be let on a yearly lease, terminable at six months' notice, at a rental, payable in advance, of Tls. 282 per annum (being 4f. 7l. 0h. at the assessed value of Tls. 10,000 per *mow*, interest at 6  $\frac{2}{10}$ )—the Trustees reserving their full rights over this land.

All expenses connected with widening the road, removal of gates, wall, etc. to be borne by the Council, and should the Trustees wish to resume the land, as

per agreement, the compound to be restored to its original condition at the Council's expense.

The Trustees do not care to surrender the land on any other conditions.

I am, Dear Sir,

Yours faithfully,

JAMES L. SCOTT,

*Hon. Treasurer.*

J. O. P. BLAND, Esq.,

Secretary,

Shanghai Municipal Council.

---

Council Room,

Shanghai, 20th January 1898.

SIR,—I am directed to acknowledge the receipt of your letter of 18th instant, stating the conditions upon which the Cathedral Trustees are willing to lease to the Council a strip of land measuring 4f. 7l. 0 $\frac{1}{2}$ . for the purpose of widening the Hankow Road.

The conditions referred to are generally acceptable, but the Council would request the Trustees to reconsider the amount of annual rent payable, and to reduce the amount named in your letter under reply. The widening of the Hankow Road being a highly desirable public improvement, and one which cannot fail to be of general benefit to the neighbourhood, the Council considers that Tls. 150 per annum would be a fair and sufficient rental to pay for the strip of the Cathedral compound which it is proposed to lease, and I am directed to express the hope that the Trustees will meet the Council in forwarding the interests of the public in this matter.

It is noted that the Trustees reserve their full rights over the land to be leased, and that should the Trustees desire to resume possession the property must be restored to its original condition at the Council's expense. The Council is prepared to accept these conditions provided that the lease be made terminable at one year's notice in lieu of six months.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

J. L. SCOTT, Esq.,

Hon. Treasurer,

Trinity Cathedral Trustees.

---

Shanghai, 21st January 1898.

DEAR SIR,—I have to acknowledge receipt of your letter of 20th instant, and in reply thereto beg to say that the Trustees are quite willing that the proposed lease be terminable at one year's notice instead of six months.

As to a reduction, however, of the proposed annual rent to Tls 150, as the Council suggest, I may say that as Trustees for the property and general interests of the Cathedral they consider that a rental based on the assessed value of the land and 6 % interest is fair and reasonable to both sides, and is indeed the only one they would feel justified in accepting, they therefore cannot alter the amount named in their letter of 18th instant.

I am, Dear Sir,

Yours faithfully,

JAMES L. SCOTT,  
*Hon. Treasurer.*

J. O. P. BLAND, Esq.,  
Secretary, Municipal Council.

---

Council Room,

Shanghai, 26th January 1898.

SIR,—I am directed to acknowledge receipt of your letter of 21st instant, and, in reply, to say that the Council accepts the conditions offered by the Cathedral Trustees in regard to the widening of the Hankow Road; that is to say, a rental of Tls. 282 per annum will be paid by the Council for the lease of the land in question from the date on which possession thereof is taken. It is understood that the lease is terminable on a year's notice being given.

In this connection, I am directed to ask whether the Trustees will agree to the further widening of the Hankow Road as far as the Honan Road, upon the expiry of the leases of the shops now standing upon the Cathedral's property, and to request that notice of such expiry be kindly communicated to the Council at the earliest possible date. The Council hopes that the Trustees will agree to leasing the property required for this further extension of the road widening upon the same basis as that agreed to in the present case—*i.e.* 6 per cent interest on the present assessed value of the land.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,  
*Secretary.*

J. L. SCOTT, Esq.,  
Hon. Treasurer,  
Trinity Cathedral Trustees.

---

Shanghai, 31st January 1898.

DEAR SIR,—I beg to acknowledge receipt of your letter of 26th instant, and duly note that the Council accept the terms and conditions offered by the Cathedral Trustees in regard to the widening of the Hankow Road.

As to the further widening of this road as far as the Honan Road, I beg to say that as the leases of the shops in the Cathedral property at the corner of these roads do not fall in for about another three years, the Trustees consider it premature to discuss the question now, but they will be glad to give the Council timely notice of the expiry of these leases, and then, if necessary, the widening of the road can be again discussed.

I am, Dear Sir,

Yours faithfully,

JAMES L. SCOTT,

*Hon. Treasurer.*

J. O. P. BLAND, Esq.,

Secretary, Municipal Council.

*Road Extension, No. 30.—*

Shanghai, 20th January 1898.

DEAR SIR,—I am directed to inform you that the owner of Cadastral Lot 273, Hongkew, is prepared to surrender a strip of land on the south of said Lot of sufficient width to make a road thirty feet wide, free of cost to the Public, only on condition that the Council make up and keep it in repair for a Public Road.

Yours faithfully,

THOMAS B. GOLDING,

*Acting for Owner.*

To the Engineer and Surveyor,  
Municipal Council.

Council Room,

Shanghai, 1st February 1898.

SIR,—In reply to your letter of 20th ultimo, addressed to the Municipal Engineer, I am directed to state that the Council accepts the offer made by yourself, on behalf of the owner of Cadastral Lot 273, Hongkew, for the surrender of sufficient land on the south of that Lot to make a Public Road 30 feet in width. On receipt of the usual deeds of surrender, and upon the completion of the buildings about to be erected on the Lot in question, the Council will make up and maintain the Public Road adjacent to that Lot.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

T. B. GOLDING, Esq.,  
Shanghai.

Council Room,  
Shanghai, 4th February 1898.

GENTLEMEN,—Referring to the plan of Road Extensions for the Hongkew Settlement determined upon by the Council in 1894, I beg to inform you that a portion of Lot 2089, Cadastral Lot 456A, is required for a Public Road, 30 feet wide, in accordance with the provisions of Article VI of the Land Regulations.

I should be obliged by your informing me if you desire a formal deed of surrender prepared for your signature, otherwise the line of road might be defined by M.C. stones, the fence being set back to the boundary of the road.

I am, Gentlemen,  
Your obedient servant,  
J. O. P. BLAND,  
*Secretary.*

Messrs. DOWDALL, HANSON & MCNEILL,  
Shanghai.

---

5, Hongkong Road,  
Shanghai, 11th February 1898.

[*Lot 2089—Cadastral Lot 456a.*]

SIR,—Referring to your letter to us of the 4th instant informing us that the Council requires a portion of the above lot to make up a 30 feet road in front of the lot; we beg to inform you that we are prepared to surrender to the Council so much of the land as may be required to make up the 30 feet road provided that the Council will agree to our retaining possession of the portion to be surrendered for our use until such time that the Council has acquired from adjoining owners on the Creek side other land for the same purpose and is then ready to proceed with the making of the road, and provided also that in the event of the Creek being filled in as a Public Road the Council will transfer back to us so much of the land we now propose to surrender so as to leave still 30 feet road for the public.

We beg to send new plan for buildings in anticipation of the Council's accepting our terms and shall be glad to have the permit for building at an early date.

Yours faithfully,  
DOWDALL, HANSON & MCNEILL.

J. O. P. BLAND, Esq.,  
Secretary, Municipal Council.

---

Council Room,  
Shanghai, 14th February 1898.

GENTLEMEN,—I have to acknowledge the receipt of your letter of 11th inst., stating the terms upon which you are prepared to surrender to the Council that portion of Cad. Lot 456A which is required to make up a public road 30 feet in width.

In reply, I am directed to inform you that the Council accepts the conditions of surrender as named in your letter and that the building permit asked for will be forwarded to you without delay.

The Engineer has been instructed to prepare the necessary plan together with surrender deeds for your signature, which will be sent you in due course.

I am, Gentlemen,  
Your obedient servant,  
J. O. P. BLAND,  
*Secretary.*

Messrs. DOWDALL, HANSON & MCNEILL,  
Shanghai.

*Wetmore Road.*—

Council Room,  
Shanghai, 11th March 1898.

SIR,—Referring to the plan of Road Extensions for the Hongkew Settlement determined upon by the Council in 1894, I beg to inform you that a portion of Lot 2429, adjoining Cadastral Lot 5101, is required for a Public Road 30 feet wide, in accordance with the provisions of Article VI of the Land Regulations.

I shall be obliged by your informing me if you desire a formal deed of surrender prepared for your signature, otherwise the line of road might be defined by M.C.R. stones.

I am, Sir,  
Your obedient servant,  
J. O. P. BLAND,  
*Secretary.*

W. A. C. PLATT, Esq.,  
Messrs. JOHNSON, STOKES & MASTER,  
Shanghai.

4, Balfour Buildings,  
Shanghai, 18th March 1898.

[*Lot 2429—Cadastral Lot 5101.*]

SIR,—With reference to your letter of the 11th instant stating that the Council requires a portion of the above Lot to make up a 30 feet road through this Lot—we beg to inform you that the owner is prepared to surrender to the



Council so much of the land free of cost as may be required to make up the 30 feet road, but he asks that the line of the proposed road be shifted a few feet to the west in the direction which has already been pointed out to Mr. Sampson (of the Municipal Surveyor's Office) and also that the Council will refund to him the sum of five hundred and eighty Taels (Tls. 580) which sum he calculates he has expended in raising the level of that portion of his Lot on which the proposed road is to be made.

Yours faithfully,

JOHNSON, STOKES & MASTER.

J. O. P. BLAND, Esq.,

Secretary,

Shanghai Municipal Council.

Council Room,

Shanghai, 2nd April 1898.

GENTLEMEN,—In reply to your letter of the 18th ultimo, having reference to the Road Extension adjoining Cadastral Lot 5101, I am directed to say that the Council is agreeable to the desired trifling alteration in the line of road, and is also willing to refund to the owner the sum of five hundred and eighty taels (Tls. 580) representing the cost of raising the land which he surrenders.

I am, Gentlemen,

Your obedient servant,

J. O. P. BLAND,

Secretary.

Messrs. JOHNSON, STOKES & MASTER,

Shanghai.

Council Room,

Shanghai, 23rd March 1898.

GENTLEMEN,—Referring to the plan of Road Extensions for the Hongkew Settlement determined upon by the Council in 1894, I beg to inform you that a portion of Lot 2277 (Cadastral Lot 5101) is required for a Public Road, 30 feet wide, in accordance with the provisions of Article VI of the Land Regulations.

I shall be glad, subject to your approval, to have a formal deed of surrender prepared for your signature.

A sketch plan showing the position of the land required is herewith enclosed.

I am, Gentlemen,

Your obedient servant,

J. O. P. BLAND,

Secretary.

Messrs. MORRISON & GIBBON,

Shanghai.

Shanghai, 23rd March 1898.

SIR,—In reply to your letter of the 23rd instant, we have to say that we are prepared to surrender the portion of lot 2277 coloured red on the tracing therein enclosed for a Public Road.

We are,

Yours faithfully,

MORRISON & GRATTON.

J. O. P. BLAND, Esq.,

Secretary, Municipal Council.

---

*Foochow Road.*—

Engineer and Surveyor's Department,  
Shanghai, 20th April 1898.

DEAR SIRs,—With reference to your application to rebuild houses on Cadastral Lot 276, English Settlement, I beg to draw your attention to the Plan of Road Extensions and Road Widening adopted by the Council in 1894, which provides for the widening of the Foochow Road by acquiring a strip of the frontage of Cadastral Lot 276.

As the width of this road is insufficient for the increasing traffic, I shall thank you if you will kindly inform me whether any arrangement can be made for acquiring the necessary land for effecting the proposed widening to 40 feet. This would require a strip of land 34 ft. by 11 ft. from the piece on which you propose to build, say 374 square feet or 0m. 0f. 5l. 1h.

I am, Dear Sirs,

Yours faithfully,

CHARLES MAYNE,

*Engineer and Surveyor.*

Messrs. DOWDALL, HANSON & MCNEILL.

---

Council Room,  
Shanghai, 11th May 1898.

GENTLEMEN,—In the matter of the widening of the Foochow Road, through the purchase of a portion of Lot 276, owned by Mrs. Cowie, I am now instructed to request you to endeavour to arrange for the transfer of the 5l. 1h., described in the Engineer's letter of 20th ultimo, upon payment by the Council of Tls. 1,055.

I am, Gentlemen,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

Messrs. DOWDALL, HANSON & MCNEILL.

---

5, Hongkong Road,  
Shanghai, 22nd June 1898.

SIR,—On receipt of your letter of the 11th ultimo on the subject of widening Foochow Road through the purchase of a part of Mrs. Cowie's Cadastral lot 276, we wrote fully to Mrs. Cowie and advising to accept the terms offered but have received her answer by telegraph declining. Although she adds that she is writing on the subject, we fear we cannot keep the land vacant any longer as this entails a loss of \$124 a month, but shall be glad to hear from you promptly.

We are, Sir,

Your obedient servants,

DOWDALL, HANSON & McNEILL.

J. O. P. BLAND, Esq.,

Secretary, Municipal Council.

---

Council Room,  
Shanghai, 23rd June 1898.

GENTLEMEN,—Your letter of yesterday, on the subject of the proposed widening of the Foochow Road at Cadastral Lot 276, was duly submitted for the information of the Council at yesterday's meeting. In reply, I am directed to express to you the Council's cordial thanks for the courtesy and liberality which have marked your action in this matter, together with its regret that the negotiations should have failed to attain the desired end; it is felt that, in view of your present communication, no good object would be served by further delay, and the Council is therefore regretfully compelled to abandon the proposed public improvement. If you will forward to me a memorandum of the expenses incurred under these negotiations, the amount will be duly paid, as already arranged. Building permit will be sent.

I am, Gentlemen,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

Messrs. DOWDALL, HANSON & McNEILL.

---

*Peking Road.*—

Engineer and Surveyor's Department,  
Shanghai, 5th July 1898.

DEAR SIR,—Referring to the Plan of Road Extensions and Road Widening adopted by the Municipal Council in 1894, I shall be glad if you will kindly inform me whether any arrangement can be made by which the Council can acquire a strip of land from the frontage of Cadastral Lot 311, for the purpose of

widening the Peking Road. The piece of land required for this improvement measures 43 ft. 6 in. by 7 ft. 1 in. (average) say 308 square feet or *0m. 0f. 4l. 2h.*

I am, dear Sir,

Yours faithfully,

CHARLES MAYNE,  
*Engineer and Surveyor.*

J. AMBROSE, Esq.,  
Shanghai.

---

Shanghai, 6th July 1898.

DEAR SIR,—I am in receipt of your letter of yesterday's date enquiring if any arrangement could be made for the Council to acquire a strip of land averaging 7 ft. 1 in. in width from B.C. Lot 311, Peking Road, and in reply I would point out (as can be seen from my plan accompanying the application for permit) that the surrender of such a strip involves the loss of one house, in addition to which the half house cannot be erected as proposed owing to the irregularity of the eastern boundary which would also involve a loss of rental. I am however willing to sacrifice something to get the Peking Road widened, and will part with the aforesaid strip for the sum of Four hundred and fifty Taels (Tls. 450.00), and as I am leaving Shanghai the 9th inst. would like, if possible, to have an answer before that date.

Yours faithfully,

J. AMBROSE.

CHARLES MAYNE, Esq.,  
Engineer and Surveyor.

---

Council Room,  
Shanghai, 9th July 1898.

SIR,—I am directed to acknowledge the receipt of your letter of the 6th instant, addressed to the Municipal Engineer, in reference to the widening of the Peking Road opposite Cadastral Lot 311, and in reply thereto I am directed to inform you that the Council accepts your offer to sell the strip of land measuring about 43 ft. 6 in. by 7 ft. 1 in. (average width) from the lot in question for the sum of Tls. 450.

Thanking you for the trouble you have taken in the matter,

I am, Sir,

Your obedient servant,

J. O. P. BLAND,  
*Secretary.*

J. AMBROSE, Esq.,  
Shanghai.

---

*Kiangse Road.—*

Council Room,  
Shanghai, 13th September 1898.

GENTLEMEN,—The Council having been given to understand that you are acting for the Chinese owner of Cadastral lot 164, in the matter of the rebuilding of the houses thereon, I have instructions to forward to you, herewith enclosed, a plan showing that portion of the lot which adjoins the Kiangse Road and to ask you to ascertain whether the owner will surrender the strip coloured red for public use so that the aforesaid road may be widened to that extent.

The Council wishes it pointed out to the owner that a branch line of the proposed electric tramway will probably run along this road, and that the widening of the thoroughfare will undoubtedly tend to enhance the value of the property fronting it.

I am directed to ask you to obtain a definite proposal in this matter, communicating the same to the Council as soon as possible.

I am, Gentlemen,  
Your obedient servant,  
W. E. LEVESON,  
*Assistant Secretary.*

Messrs. MORRISON & GRATTON,  
Shanghai.

---

Shanghai, 28th September 1898.

*Cadastral Lot 164.*

SIR,—In reply to your letter asking if a portion of Cadastral lot 164 can be surrendered for the purpose of widening Kiangse and Nanking Roads we have to say that we have consulted the parties interested and find that it is impossible to surrender any land. You may not be aware that on account of leases, etc. the transfer of the land will not be completed till the 31st December.

We are,

Yours faithfully,  
MORRISON & GRATTON.

J. O. P. BLAND, Esq.,  
Secretary, Municipal Council.

---

*Szechuen Road.—*

Council Room,  
Shanghai, 17th October 1898.

SIR,—Referring to the plan of Road Extensions and Widening adopted by the Council in 1894, and to the increasing necessity for widening the Szechuen Road where it adjoins Cadastral Lot 46, the registered property of Sir Robert Hart, Bart., I have the honour to enquire whether any arrangement can now be made by which the Council might acquire a strip of land from the frontage of that

Lot. I enclose a plan of the piece which it is proposed to add to the public road, measuring 137 ft. 10 in. by 1 ft. 9 in. or *Om. Of. Ol. 3½h.*, and would ask your good offices in obtaining a favourable reply from the Inspector-General.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,

*Chairman.*

LOUIS ROCHER, Esq.,

Commissioner of Customs, Shanghai.

Custom House,

Shanghai, 19th October 1898.

SIR,—In reply to your letter of the 17th instant, conveying the Council's desire to acquire a small strip of land from lot 46 for the purpose of widening the Szechuen Road as per plan enclosed in your letter,—I have the honour to state that your request has been duly submitted to the favourable consideration of the Inspector-General of Customs.

I have the honour to be,

Sir,

Your obedient servant,

LOUIS ROCHER,

*Commissioner of Customs.*

JOSEPH WELCH, Esq.,

Chairman, Municipal Council,

Shanghai.

Custom House,

Shanghai, 31st October 1898.

SIR,—With reference to your letter of the 17th October, and my reply thereto of the 19th, regarding your request to acquire a small strip of land from lot 46 for the purpose of widening the Szechuen Road, etc., I am now authorized by the Inspector-General of Customs to offer you the said land free of charge on condition that the Council will undertake to make all necessary drain connections of the new buildings proposed to be erected on the said lot, and will further allow us to project our footings as far as necessary under the roadway.

I have the honour to be,

Sir,

Your obedient servant,

LOUIS ROCHER,

*Commissioner of Customs.*

JOSEPH WELCH, Esq.,

Chairman, Municipal Council,

Shanghai.

Council Room,  
Shanghai, 5th November 1898.

SIR,—I have the honour to acknowledge the receipt of your letter of 31st ultimo :—

Surrender of land for road widening ex Lot 46 ;  
and, in reply, to convey to you the Council's cordial thanks for the arrangement therein proposed. The conditions named by the Inspector-General are accepted, and the Engineer's Department has been instructed accordingly ; the necessary surrender deeds will be prepared for signature in due course.

I have the honour to be,  
Sir,  
Your obedient servant,  
JOSEPH WELCH,  
*Chairman.*

LOUIS ROCHER, Esq.,  
Commissioner of Customs,  
Shanghai.

---

*Hankow, Shanse and Honan Roads.—*

The following correspondence has taken place, in regard to the widening of these roads, with Mr. E. JENNER HOGG :—

Shanghai, March 29th, 1898.

[ *Cadastral Lots* { 522-642 } *Hankow and Chekiang Roads*  
                          { 530-643 }  
*with special reference to Lot 642.* ]

DEAR SIR,—In reply to your letter of 22nd instant, owing to certain circumstances there will be a delay in regard to building on Cadastral Lots 642 and 643 for some 5 or 6 weeks, and I will communicate with you again as to your request for the strip 4 feet 6 inches wide and 44 feet long (say 2 *li*, 7 *hau* of land). I think there will be no difficulty in arranging it, but at the same time I cannot bind myself at present.

In the meantime I should be much obliged by your letting me have the permit for the 522 and 530 Blocks.

I am, Dear Sir,  
Yours faithfully,  
E. JENNER HOGG.

CHARLES MAYNE, Esq.,  
Engineer, etc., Municipal Council.

---

Shanghai, March 30th, 1898.

[*Cadastral Lots 249 and 385 at corner of Shansi and Nanking Roads  
with special reference to Lot 249.*]

DEAR SIR,—In reply to your letter of 25th instant, I have induced the lessee to set back his houses the 4 feet you ask for, but I have no authority to surrender the land. I will, however, ask for this and will in the meantime have the houses set back the 4 feet for the length you name (33 feet) provided it is understood that there is no surrender of the land and that, if the owner be willing to surrender, the Council will pay for the strip such sum as may be mutually agreed upon.

I am, Dear Sir,

Yours faithfully,

E. JENNER HOGG.

CHARLES MAYNE, Esq.,

Engineer, etc., Municipal Council.

---

Shanghai, March 29th, 1898.

*Cadastral Lot 242, Honan Road near Nanking Road.*

DEAR SIR,—In reply to your letter of March 15th last, I have not as yet power to agree to sell the strip you ask for and which, according to your plan, is apparently 8 feet 6 inches wide, say area 400 square feet at  $7,260 = 0m. 0f. 5l. 5h.$  But I am prepared, when now rebuilding, to set back the new buildings 8 feet 6 inches provided the Council engage to lay no claim to such strip and will pay such price as may be deemed reasonable eventually by both parties—i.e. the Council and the owners—in the event of the latter agreeing to sell.

It is necessary that I fully protect myself in the absence of power to dispose of the strip, but I will take what steps I can to obtain the power to meet the request you have put forward.

I am, Dear Sir,

Yours faithfully,

E. JENNER HOGG.

CHARLES MAYNE, Esq.,

Engineer, etc., Municipal Council.

---

Council Room,

Shanghai, 7th April 1898.

SIR,—I have now directions to reply to your three letters addressed to the Municipal Engineer dated respectively 29th, 30th and 29th ultimo.

The Council agrees to and takes note of all your proposals which I enumerate as follows:—

Lot 642/3.—You will communicate with the Council again in regard to building on the lots in about six weeks.



Lot 249.—The houses will be set back to the point required by the Engineer—there will be no surrender of land and the price to be ultimately paid will be mutually agreed upon hereafter.

Lot 242.—Pending the authority of the owners to sell the strip required, you are willing to set back the houses in accordance with the Engineer's note.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

E. JENNER HOGG, Esq.

---

#### DREDGING THE YANG-KING-PANG.

---

The estimate of Tls. 6,000 for this work, one half of which was to have been borne by each Municipality, was found, upon examination of the tenders received, wholly inadequate to ensure the requisite condition of "a depth of one foot of water at the first spring tide low-water after completion of the work"; dredging has in consequence been indefinitely postponed.

The Council is of opinion that ultimate economy would result if the creek were culverted and filled in and a broad thoroughfare made along its line at the joint expense of the two Municipalities. This view is shared by the French Council, which considers that the filling-in of the creek, provided no valid objections are raised by the Native Authorities, would be a work of greater advantage to the Community than the present system of necessarily ineffective dredging. The Engineers to the two Municipalities have received instructions to draw up and submit to the Councils a joint Report on the proposed scheme, dealing with the question chiefly in its financial aspects.

---

#### OLD RIFLE RANGE.

---

The following letter was addressed to the Council in February, and it was recognised that this neighbourhood had grown to an extent which now warranted the expenditure therein desired. In view, however, of the fact that the Range had become impossible as a Range by reason of the

building operations carried out along its line, the Council considered that at least a portion of the road-making expenses should be borne by the householders thus benefited. A circular letter was in consequence addressed to those concerned, and it is satisfactory to note that general acquiescence in the Council's proposals was the result. The Road, named Rifle Range Road, has now been made up, drained and lighted and when completed will form one of the finest thoroughfares in the Settlement.

---

Shanghai, 8th February 1898.

SIR,—We, the undersigned, owners or occupiers of houses on the Old Rifle Range, respectfully request to know if the Council will now arrange for the following things to be done :—

1.—To have laid along the Range a sewer into which the adjoining houses can be drained.

2.—Permission granted to the Waterworks Company to lay pipes along the Range to enable the occupiers of the houses to have a water supply in their houses.

3.—To have removed the posts which block the entrance to the Range at the East end thereof.

We ask the Council to carry out the above for the following reasons :—

1.—With regard to the question of drainage :—The Council are aware of the fact that on account of the smallness of the lots, and for other reasons, it is impossible to carry out a proper system of private drainage. The district surrounding the range is being rapidly built over to meet the requirements of a large and growing community, therefore the Council will duly appreciate the danger arising from an imperfect system of drainage in the midst of a populous area.

2.—With regard to the supply of Waterworks' water :—

This is, as the Council are also aware, just as necessary as a proper system of drainage. At present the occupiers of the houses have to run the risk of the water being polluted as it is being conveyed in buckets along dusty roads and through dirty alleyways. Another reason why the Waterworks Company should be allowed to lay their pipes along the range is because in case of fire there are no means of preventing any of the houses from being totally destroyed, and possibly the spreading of the fire to other houses.

3.—With regard to the removal of the posts at the East end of the range so as to permit the occupiers of the houses to drive up to their abodes, we would respectfully suggest that the Council abandon the position they still maintain in this small matter and remove the unnecessary obstruction.

The obstruction is not only a source of great inconvenience and annoyance to us personally, but also to our medical attendants, and visitors, who, through the action of the Council in keeping the posts up, are compelled to walk a considerable distance in all states of the weather, whereas if the posts were removed they might drive to the houses.

We may state that we are quite prepared to pay Municipal taxes when the Road is opened.

We have the honour to be,

Sir,

Yours obediently,

JAS. H. OSBORNE.	ROBERT SCOTT.
E. T. WILLIAMS.	H. C. DIERCKS.
J. SEYMOUR.	V. VIZENZINOVICH.
J. C. GRANT.	P. L. RAEBURN.
THOMS. FERGUSON.	JNO. GREEN.
E. D. LINDSTROM.	A. WILSON.
J. E. CARDWELL.	A. SEISSON.
E. BANKER.	S. LEE.
J. M. W. FARNHAM.	JAS. PRICE.
GEO. GUNDRY.	And others.

J. O. P. BLAND, Esq.,

Secretary,

Shanghai Municipal Council.

---

[ *Circular Letter.* ]

Council Room,

Shanghai, 3rd March 1898.

SIR,—In reply to a petition signed by a number of the residents along the site of the Old Rifle Range, I was recently directed to say in a letter addressed to Mr. J. H. Osborne, that the Council is willing to raise, brick, metal, make-up, pave, drain and light the proposed Road on condition that the residents and/or owners were agreeable to pay half the cost of the initial work, it being also understood that upon completion thereof they will also pay all recognised municipal taxes, whether their houses are within or without Settlement limits. The cost of the work has been computed at Tls. 4 per foot run of frontage, and as several residents and/or owners have already signified their willingness to pay their moiety, I am now directed to request you to inform me whether you agree to pay your share, namely Tls. 2 per foot of your frontage upon these conditions.

The Council's reason for requesting this contribution to the cost of the work lies in the fact that the removal of the Old Range as well as the making up of the proposed road has been necessitated by the erection of the houses adjoining the Range.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

---

#### THIBET ROAD CHIP YARD AND DEPÔT.

---

The Council's lease of this property will expire in June 1899, and the Agents, Messrs. Alfred Dent & Co., were authorised by the owners to renew the lease for five years at an annual rental of Tls. 4,500. In view, however, of the fact that most of the stone-breaking is now done at the quarry at Pingchiao, the Council decided not to renew the lease, and the decision was intimated to Messrs. Dent accordingly.

---

#### SINZA ROAD.

---

It was understood during January that the property known as the "Ashton and Jarvie Estate" was being sold, and the Council considered the opportunity a good one to have effected the formal surrender of that portion of the Sinza Road which lies through the property. The following letter was written to Mr. E. H. LAVERS, to which he replied that he was then unable to act in the matter.

Council Room,

Shanghai, February 1st, 1898.

SIR,—Some years ago the Council, with the consent of the Agent of the Ashton and Jarvie Estate, placed M.C.R. boundary stones defining the proper width of the Sinza Road, westward of the Defence Creek, Mr. Kingsmill being present on behalf of the Agent of the property.

As that portion of the Sinza Road intersecting the Ashton and Jarvie Estate has not yet been formally acquired by the Municipality, the Council, in view of the importance of the road as being one of the main outlets from the Settlement, is desirous of obtaining the same. I am instructed to enquire if arrangement

could now be made for this purpose, and if you should consider it necessary to address the Trustees at home on the subject, to beg that you would do so as early as possible.

As soon as the road has been formally surrendered the Council would be prepared to maintain it as a public road, on the same conditions as those under which the Bubbling Well Road is maintained.

I am, Sir,

Your obedient servant,

J. O. P. BLAND,

*Secretary.*

E. H. LAVERS, Esq.,

Agent for the

Ashton and Jarvie Estate.

The Council has agreed to make up and drain the road at such time as the proper surrender deeds are signed, and pending the completion of the negotiations for the sale of the property the matter has been allowed to stand over.

---

## ELECTRICAL SUPERINTENDENT'S REPORT.

---

SHANGHAI, *January 21st, 1899.*

GENTLEMEN,

I have the honour to submit my first Annual Report upon the Electrical Department for the year ending December 31st, 1898.

### STEAM-RAISING PLANT.

The plant at present installed comprises two Lancashire and two Locomotive type boilers, one Green's Economiser, and the necessary feed pumps, etc.

Steam pipes have been fitted to supply steam to one engine, being arranged as an auxiliary steam supply for day-loads and half-night runs.

After trials of the evaporative value of the various coals available for steam-raising, tenders were invited for three months' supply and the offer of Messrs. Wheelock & Co. to supply 1,000 tons was accepted. This contract will terminate at the end of March.

### GENERATING PLANT.

There are at present ten engines, five driving arc lighting dynamos and five driving incandescent lighting machines.

There are eight arc lighting dynamos and five alternators for incandescent lighting.

The present gross capacity of the arc lighting plant is 112 kilo-watts, the load is 85 kilo-watts; allowing one complete spare set, the plant is practically fully loaded.

The incandescent lighting plant is also fully loaded, and has in one or two instances been overloaded.

The total number of incandescent lamps now connected to the supply mains is equal to 10,776 8-candle-power lamps.

There are several installations awaiting connection, about 1,500 points in all.

In May last it was decided to couple on no more lights until the installation of additional generating machinery, and a notification to that effect was published.

A loan of Tls. 60,000 was raised during the year for the extension of the incandescent lighting plant. It was decided to install two direct-coupled alternators, one boiler and one high-tension switch-board, and tenders for this plant were advertised for and received.

The tender of the Brush Electrical Engineering Co. to supply two 150 kilo-watt steam alternators at £1,906 each, to be delivered in London, the first set in seven months and the second in eight months from the receipt of our order, under a heavy penalty for non-delivery by these dates, has been accepted.

The tender of the Aultmann & Taylor Machinery Co., of America, to supply one Water-tube Boiler of 3,208 sq. ft. heating surface, for U.S. Gold \$2,600, delivery in New York in six weeks from receipt of mail order under penalty for overdue delivery, has been accepted.

Tenders are under consideration for the supply of the high-tension switch-board.

The steam alternators to be supplied by the Brush Co. are of the improved type manufactured by them, and may be relied upon to prove satisfactory in respect to economical steam consumption, high quality of workmanship and design throughout.

The boiler will be of the Babcock type: boilers of this type manufactured by the Aultmann & Taylor Co. are in extensive use in the United States.

The above plant, with one more boiler, will increase the nett capacity of the incandescent lighting machinery from 11,000 lamps to 20,000 lamps.

#### DISTRIBUTING MAINS, ETC.

There are at present four high-tension circuits for incandescent lighting, and these are capable of carrying sufficient current to supply 3,000 8 c.-p. lamps more than at present before they will be fully loaded.

Protective devices have been fitted in connection with the high-tension transformers in most instances; a few yet remain in which a temporary device has been connected.

The incandescent mains have been extended  $1\frac{1}{4}$  mile during the year.

The arc lighting mains are not in good order; these are unsupported and are continually giving trouble and interrupting the lighting by breaking.

Supporting steel wires are being erected and joined to the conductors at frequent intervals.

From March 15th last Yangtsze-poo Road has been lighted by twenty lamps extending a distance of nearly one and a half miles (1.42 miles).

The distribution cables used in connection with this lighting are insulated with vulcanised india-rubber and then lead-covered.

The cables are laid underground and failures have occurred through the electrical "breaking down" of the rubber insulation.

One length of cable has been repaired, another has been cut out and an overhead line erected in its place.

Of the existing arc lamps there are several of the Brush type which are very old and practically beyond repair; it is advisable that these be replaced by new lamps, and in compiling the estimates for 1899 I have included the cost of fifty new lamps.

#### GENERAL.

The year's working has been satisfactory, there being a balance of Tls. 27,188.72 to transfer to sinking fund, which is sufficient to cover interest on loans and overdraft and to set aside an adequate sum for depreciation.

It cannot be hoped that next year's working will show so good a financial result, as the interest charges will be payable on the capital outlay for the new generating plant and there will, on the other hand, be but a slight increase in revenue, as the plant will not be in operation until September, and will of course not be worked up to its full capacity for some considerable time yet.



The installation of plant of less capacity than that chosen would have given a better financial result for next year, but the system of small units being limited, in addition to their comparative inefficient and expensive operation, puts this entirely out of the question.

With the increase of incandescent lighting three of the five generating sets at present installed will be of such small capacity that their use will be discontinued, although these sets will by that time be by no means worn out.

The ultimate position of the Department will be greatly benefited by the determination of the Council to invest sufficient capital to enable the capacity of the generating machinery, etc. to be considerably increased.

The establishment charges will decrease proportionately with the increased load, and if sufficient lights are connected to enable the new generating plant to be worked to its full capacity, within say three years, the financial position of the Department should be good.

I have the honour to be,

Gentlemen,

Your most obedient servant,

J. PEEL NELSON,

*Electrical Superintendent.*

J. S. FEARON, Esq.

J. PRENTICE, Esq.

M. ROHDE, Esq.

---

## ESTIMATE FOR 1899.

## ARC.—

## RECEIPTS.

Private Lighting	...	...	...	...	Tls.	3,750.00
Public Lighting :—						
141 lamps @ Tls. 250	...	...	...	...	„	35,250.00
					Tals	<u>39,000.00</u>

## EXPENDITURE.

Charges	...	...	...	...	...	Tls.	1,000.00
Coal	...	...	...	...	...	„	13,000.00
Insurance	...	...	...	...	...	„	890.00
Rent and Taxes	...	...	...	...	...	„	120.00
Repairs	...	...	...	...	...	„	900.00
Maintenance	...	...	...	...	...	„	3,500.00
Wages	...	...	...	...	...	„	6,400.00
Interest	...	...	...	...	...	„	6,402.00
Depreciation—On Plant 7 % on Tls. 87,500	...					6,125.00	
On Buildings 3 % on Tls. 24,000						720.00	
							<u>6,845.00</u>
					Tals	<u>39,057.00</u>	

## INCANDESCENT.—

## RECEIPTS.

Lighting 11,000 equivalent 8-c.p. lamps	...	...	Tls.	38,000.00
			Tals	<u>38,000.00</u>

## EXPENDITURE.

Charges	...	...	...	...	...	Tls.	1,000.00
Coal	...	...	...	...	...	„	12,500.00
Insurance	...	...	...	...	...	„	1,016.00
Rent and Taxes	...	...	...	...	...	„	120.00
Maintenance	...	...	...	...	...	„	1,800.00
Wages	...	...	...	...	...	„	5,500.00
Interest	...	...	...	...	...	„	9,529.00
Depreciation—On Plant 7 % on Tls. 106,800	...					7,476.00	
On Buildings 3 % on Tls. 24,000						720.00	
							<u>8,196.00</u>
					Tals	<u>39,661.00</u>	



## ACCOUNT

1898.

	Tls. cts.
<i>By</i> Receipts for Lighting and Sale of Material ... ..	87,638.71
„ Dividend on 1 share, Union Insurance Society of Canton ...	12.20
<b>TAEELS ...</b>	<b>87,650.91</b>

## BALANCE

## ASSETS.

		Tls. cts.	Tls. cts.
<i>Plant: Arc.—</i>			
Cost on 31st December 1897	... 72,483.96		
Additions during the year ...	... 9,544.88		
	<u>          </u>	82,028.84	
<i>Plant: Incandescent.—</i>			
Cost on 31st December 1897	... 101,292.87		
Additions during the year ...	... 6,738.82		
	<u>          </u>	108,031.69	
<i>Stores.—</i>			
Cost of Electrical Material, and Stores in Stock	... ..	40,673.57	
<i>Furniture</i>	... ..	366.32	
<i>Coal.—</i>			
Cost of Stock on hand ...	... ..	1,495.93	
<i>Union Insurance Society of Canton.—</i>			
Cost of 1 share ...	... ..	184.33	
<i>Land and Buildings.—</i>			
Cost on 31st December 1897	... 47,013.32		
Additions during the year...	... 39.51		
	<u>          </u>	47,052.83	
<i>Balance at Credit of Electrical Department in Municipal Books</i>	... ..	.....	279,833.51
			<u>          </u>
		TAEELS ...	306,409.54

F. ANDERSON,  
R. INGLIS,  
E. SHELLIM,  
*Members of Finance Committee.*



## PUBLIC RECREATION GROUND.

---

During the year there has been no special improvement carried out with the exception of levelling up the ground after filling up the pond near the Cricket Club Pavilion, and then converting it into a garden, which is a marked improvement to the grounds. A public lavatory has also been constructed, filling a want that has been felt for some time past. The whole of the grounds have been thoroughly weeded and levelled, and when the portions of the East Ground now being returfed, in places bare of grass, are finished the Recreation Ground will be in splendid order.

All through the year the Public have thoroughly appreciated the work carried out, as during the summer months three Cricket, three Lawn Tennis, Polo and Base Ball Grounds have been fully occupied, with the exception of the latter, one of the best portions of the ground, which was told off for the use of the Base Ball Club; they, however, played only two practice games during the season; during the winter Golf and Football have been in full swing.

The road from the Swimming Bath to the Recreation Club Ground was closed to wheel-traffic by the Council on the recommendation of the Committee, but subsequently the Committee came to the conclusion that it was a mistake, and advised the Council to re-open the road, which was accordingly done. The Committee also suggested that the road might be advantageously widened so as to allow wheel-traffic all round.

H. J. H. TRIPP,  
*Hon. Secretary,*  
*Recreation Ground Committee.*

---

## PUBLIC GARDENS.

*Recreation Garden.*—As regards the maintenance and work of the Garden during the past year there is very little to say. The show in the Gardens and Greenhouses was on the whole satisfactory, the Pelargoniums being specially good.

Rather extensive repairs will be required for the Greenhouses during the current year, and the Committee hope that something may be done towards enlarging the present Nursery Department, as the accommodation provided by the present Reserve Garden is much too small for the proper working of the Recreation Garden generally.

The Committee express their deep regret at the death of Mr. CORNER, who for so many years has had chief charge of the Garden, and to whose skill and unremitting care its present condition is mainly due. Mr. J. L. SCOTT has filled the vacancy on the Committee.

The accounts for 1898 are appended, and the Committee trust that the Council will include the usual allowance of Tls. 1,500 in the Budget for 1899.

The decision of the Council to get out from England a working gardener is much appreciated by the Committee, who expect to derive much benefit from his practical knowledge and advice.

The Committee are at present Messrs. A. WHITE, M. WOLFF and the undersigned, who again tender their services.

### EXPENDITURE DURING 1898.

Wages	...	...	...	\$868.00	@ 75	Tls.	651.00
Coolie hire and Sundries	...	...	...	26.15	"	"	19.61
Coals	...	...	...	124.00	"	"	93.00
Tools and Materials	...	...	...	30.80	"	"	23.10
Plants and Seeds	...	...	...	...	"	"	48.37
Repairs	...	...	\$95 @ 75	Tls. 71.48			
				38.30			
						"	109.78
Sundry Repairs to Greenhouses	...	...	...	...		"	252.92
						Tls.	1,197.78



*Chinese Garden.*—There is nothing special to report about the working of this garden during the past year.

Owing to adverse weather the show of Chrysanthemums was not so good as usual.

The accounts for 1898 are appended, and the Committee ask that the usual sum of Tls. 500 for maintenance be included in the Budget.

The present Committee are the Chairman of the Municipal Council, the Captain-Superintendent of Police, the Mixed Court Magistrate, Mr. WOLFF and the undersigned, who are willing to continue their services.

## EXPENDITURE FOR 1898.

Wages	...	...	...	\$ 192	@ 75		Tls. 144.00
Repairs	...	...	...	,, 22.57	@ 75	Tls. 17.68	
						8.15	,, 25.83
							<hr/>
Seeds	...	...	...	...	...	...	,, 6.15
							<hr/>
							<u>Tls. 175.98</u>

JAMES L. SCOTT,  
*Hon. Secretary,*  
*Gardens Committee.*

# GENERAL.

---

SENIOR CONSUL.

---

Kaiserl. Deutsches General-Konsulat,  
Shanghai, 30th August 1898.

SIR,—I have the honour to inform you that being about to depart from Shanghai on leave I have handed over charge of the duties of Senior Consul to Mr. J. M. T. Valdez, Consul-General for Portugal.

I have the honour to be,

Sir,

Your obedient servant,

O. STUEBEL,

*Consul-General for Germany  
and Senior Consul.*

J. WELCH, Esq.,

Chairman, Municipal Council.

---

Council Room,  
Shanghai, 1st September 1898.

SIR,—I have the honour to acknowledge receipt of your letter of 30th August, intimating that, being about to depart from Shanghai, on leave, you have handed over charge of the duties of Senior Consul to Mr. J. M. T. Valdez, Consul-General for Portugal.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,

*Chairman.*

O. STUEBEL, Esq.,

Consul-General for Germany,  
Shanghai.

---

H.M.F.M.'s Consulate-General,  
Shanghai, 31st August 1898.

SIR,—I have the honour to inform you that H.G.M.'s Consul-General, Dr. Stuebel, being about to depart from Shanghai, on leave, I have assumed charge of the duties of Senior Consul.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,

*H.M.F.M.'s Consul-General  
and Senior Consul.*

J. WELCH, Esq.,

Chairman of the Municipal Council  
for the Foreign Settlement,  
Shanghai.

---

Council Room,  
Shanghai, 1st September 1898.

SIR,—I have the honour to acknowledge receipt of your letter of yesterday's date, intimating that H.G.M.'s Consul-General, Dr. Stuebel, being about to depart from Shanghai, on leave, you have assumed charge of the duties of Senior Consul.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,  
*Chairman.*

JOAQUIM M. T. VALDEZ, Esq.,

Consul-General for Portugal  
and Senior Consul.

---

#### VISIT OF H.R.H. PRINCE HENRY OF PRUSSIA.

---

H.R.H. arrived in Shanghai in April, and the Council took the initiative in extending to him an official welcome. In co-operation with the Chamber of Commerce and the China Association a public tiffin was arranged at Chang-su-ho's Gardens, at which covers were laid for upwards of three hundred people.

---

VASCO DA GAMA CELEBRATION.

---

The following letters will shew the extent to which the Municipality participated in the national rejoicings of the Portuguese community on this fourth centenary celebration. The Bund and other thoroughfares were illuminated and entertainments of a commemorative character held.

Shanghai, 29th April 1898.

SIR,—I have the honour to enclose herewith the programme of the rejoicings which the Portuguese Community have arranged in Shanghai for the commemoration of the arrival in India of the fleet of the great navigator Vasco da Gama, four centuries ago.

It is well known that great advantages have resulted to all colonial powers through this event, considered rightly an important step towards progress, and an honour to Portugal, while it is a fact that its benefits have reached all nations more or less, so much so that, for instance, the Portuguese community of Shanghai is not among the wealthiest of the place.

Nevertheless the Portuguese are proud to record the fact that they came to Shanghai on the establishment of the Settlements, and it will not, I am sure, be too much to say that they have contributed assiduously in their duties in the several offices towards the wealth of the other communities, and have thoroughly identified themselves with them.

These are the reasons why my community hope that the Municipal Council of the Foreign Settlement, which has adopted a flag embracing the several nations represented here, will be true to its motto—*Omnia juncta in uno*—and will favour the rejoicings in honour of “Vasco da Gama” and co-operate for their splendour.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,  
*Consul-General for Portugal.*

To the

Chairman of the Municipal Council.

---

Council Room,

Shanghai, 12th May 1898.

SIR,—I have the honour to acknowledge receipt of your letter of 29th ultimo, wherein you ask if the Council will co-operate with the representative committee for commemorating the fourth centenary of the discovery of the sea route to India by Vasco da Gama.

At yesterday's meeting of the Council there was a cordial expression of sympathy with the object which this committee has in view, and the Council recognises the importance which the large and influential Portuguese section of the community naturally attaches to this commemoration.

The experience and advice of the Municipal Engineer have already been placed at the committee's disposal, and I have pleasure in informing you that a grant of Tls. 1,000, out of the public funds, has been made towards the cost of illuminating the town on the night of the celebration.

I have the honour to be,  
Sir,  
Your obedient servant,  
J. S. FEARON,  
*Chairman.*

JOAQUIM MARIA TRAVASSOS VALDEZ, Esq.,  
Consul-General of Portugal.

---

#### ILTIS MEMORIAL.

---

The sanction of the Council was given to the erection on the Bund foreshore of a commemorative memorial to the officers and men of H.I.G.M.S. "Iltis" who lost their lives off the Shantung promontory in 1895. Its unveiling was made the occasion of a celebration by the resident German Community and was performed by H.R.H. Prince Henry of Prussia. The correspondence between the German Consul-General and the Council relative to the necessary precedent formalities is given below.

Kaiserl. Deutsches General-Konsulat,  
Shanghai, 20th October 1898.

SIR,—The Committee for the erection of the Iltis Monument has the honour to inform the Municipal Council, that the material for the said monument will arrive in Shanghai by the German Mail Steamer Sachsen, due on Saturday, 22nd inst.

In order to facilitate the control and supervision of the work by the authorities, the Committee takes the liberty to ask whether it would be feasible that the Engineer Department be charged with the work of foundation and erection. The expenses of course will be refunded, and the Committee would be extremely obliged to the Council.

I beg to enclose a photo of the Monument.

Mr. A. Korff, a member of the Committee, will take in hand the landing of the material, and Count Butler will give every information and assistance wished for by the engineers.

The site verbally agreed upon is the lawn in front of Messrs. Jardine, Matheson & Co.'s premises.

I have the honour to be,  
Sir,  
Your obedient servant,  
Dr. W. KNAPPE,  
*Consul-General.*

J. WELCH, Esq.,  
Chairman of the Municipal Council,  
Shanghai.

---

Council Room,  
Shanghai, 21st October 1898.

SIR,—I have the honour to acknowledge receipt of your letter, dated yesterday, in which you request that the Municipal Engineer shall be charged with the work of erection of the Itis Monument.

In reply I have to inform you that the necessary instructions have been given to that officer to do the work, after having duly consulted Count Butler and Mr. Korff.

The Council will be obliged if you will obtain from Messrs. Jardine, Matheson & Co. a letter containing their formal sanction to this use being made of the foreshore opposite their lot.

I have the honour to be,  
Sir,  
Your obedient servant,  
JOSEPH WELCH,  
*Chairman.*

Dr. W. KNAPPE,  
Consul-General for Germany.

---

Kaiserl. Deutsches General-Konsulat,  
Shanghai, 28th October 1898.

SIR,—I have the honour to acknowledge receipt of your letter dated 21st inst. and to thank you that the necessary instructions have been given to the Municipal Engineer to do the work of erection of the Itis Monument.

I beg to enclose a letter from Messrs. Jardine, Matheson & Co., containing their formal sanction to this use being made of the foreshore opposite their lot.

The sketch wished for has been submitted to the said firm.

I have the honour to be,

Sir,

Your obedient servant,

Dr. W. KNAPPE,

*Consul-General.*

JOSEPH WELCH, Esq.,

Chairman of the Municipal Council.

---

Shanghai, 22nd October 1898.

SIR,—We beg to acknowledge the receipt of your favour of yesterday's date, and in reply have much pleasure in sanctioning the erection on our foreshore, opposite to our Hong on Consular Lot No. 1, of a monument to those lost by the wreck of H.I.M. s.s. *Itis*.

Before however you take any action in the matter, we should be much obliged if you will send us a ground plan of the foreshore shewing the exact spot where you desire to place the monument.

We have the honour to be,

Sir,

Your obedient servants,

JARDINE, MATHESON & Co.

Dr. W. KNAPPE,

H.I.M.'s Consul-General.

---

#### WOOSUNG BAR SURVEY.

The Council's moiety of the fee payable to Mr. J. DE RIJKE for his survey and report on the River approaches to Shanghai was duly paid in September, in accordance with the arrangement made with the Chamber of Commerce in May 1897. The report has not yet been received.

---

#### OLD LOCAL POST.

The stock of obsolete stamps, referred to on page 245 of last year's Report, has been forwarded to the Council's agents for sale. An offer of £600 received for these stamps (in number about 2 millions) was declined as inadequate.

### REVISION OF LAND REGULATIONS.

---

The Members of the Special Committee of Revision appointed by the Council in July 1897 duly completed their labours, in so far as the most urgently needed alterations in the code of Land Regulations and Byelaws were concerned, and their report was received by the Council early in the year.

Shanghai, 10th January 1898.

GENTLEMEN,—The undersigned, Members of the Special Committee appointed to revise the Shanghai Land Regulations, have the honour to forward to the Council the following new and revised Regulations and Byelaws, all of which, after careful consideration, have been approved by a majority of the Committee :—

- 1.—Proposed New Regulation, VI *a.* ; Land for Public Roads.
- 2.— „ „ „ VI *b.* ; Land for Railways.
- 3.— „ „ „ No. XXX ; Buildings.
- 4.—Proposed Amendment of Bye-Law VIII ; Drainage.
- 5.— „ „ „ „ XXXIV ; Licenses.

The Committee is of opinion that the above Regulations and Bye-Laws will, when approved by the Ratepayers and submitted in turn to the Foreign Consuls and to the Diplomatic Body at Peking, be sufficient to enable the Council to deal with such matters as most urgently call for attention and legislation. Acting upon this opinion, the Committee has thought it advisable to forward them at the earliest moment.

With regard to the revision of the Land Regulations as a whole, a work in which considerable progress has been made, the Committee proposes to address you at a later date.

We are, Gentlemen,

Your obedient servants,

F. ANDERSON.	G. JAMES MORRISON.
H. P. WILKINSON.	J. H. McMICHAEL.
JAMES L. SCOTT.	M. ROHDE.

*To the*

Chairman and Members of  
the Municipal Council.

---

The proposed additions and alterations were passed at the Special Meeting of Ratepayers held on the 11th March, and from the following correspondence which subsequently took place it will be observed that



the Byelaws relative to Drainage and Licences have been added to the code but that the remaining revisions have yet to receive the assent of the Tsungli Yamên before they can, in the opinion of the Local Consular Body, be enforced.

#### PROPOSED REGULATION VI *a.*

*Land for Public Roads.*—It being expedient that the Ratepayers shall have fuller power than they at present possess for acquiring land for new roads, extension and widening of existing roads, extension of lands already occupied by public works and for purposes of sanitation, it is hereby agreed that they shall have the following powers in addition to, and not in substitution for, those possessed by them under Regulation VI and the powers shall be exercised in the manner following :—

In case the land required for such public purposes shall have been acquired by foreign renters before the publication of notice that the plan referred to in that Regulation is open to inspection or shall remain in the hands of the native owners the proprietors shall for three months after the publication of such notice have the right to protest in writing and, in person or by proxy, to appear and to bring evidence before the Municipal Council to show cause why such proposed roads extension and widening of roads or extension of the public works or establishment of sanitary buildings or works should not be made or undertaken, and the Council shall hear and decide the matter.

After the said period of three months from such publication and in case such protest be over-ruled and in case such foreign renters or native owners as the case may be are unwilling to surrender to such public uses the land so required, then the Municipal Council may after the expiry of four months and within one year from the publication of notice of such plan apply to the Land Commissioners, to be appointed as hereinafter mentioned, and the said Land Commissioners shall, after hearing the parties, and calling for evidence determine the compensation (if any) to be paid or given for the land so required and for the buildings (if any) thereon and in respect of any tenancy of the said land and buildings respectively, taking into account the increase or decrease in value of the remainder of the property, and surrender of the land (notwithstanding the restrictive words contained in Regulation VI) on the terms of the award and finding of the Land Commissioners, shall in case of need, be enforced by the Court or Courts having Jurisdiction over the owners and occupiers of the land.

The Land Commissioners shall be three in number and shall be appointed ; one by the Council not later than the 15th January in each year. And one by the Registered owners of land in the Settlement who pay taxes of Tls. 10 per annum or upwards, and who shall vote by ballot at the Council Office on the same days as those appointed for the election of Members of Council. Any two land owners qualified to vote being entitled to nominate candidates for the position by sending

the names to the Council one week before the election takes place, and the Council shall cause the names of all such nominees to be exhibited in the Office on the day of the poll. If only one name be suggested then that person shall be the Commissioner without a poll.

The third Commissioner shall be elected by resolution of a meeting of Ratepayers. Any two Ratepayers qualified to vote being entitled to nominate candidates for the position by sending in the names to the Council one week before any Meeting of Ratepayers; and the Council shall cause the names of all such Candidates to be published with the notices of motions for the Meeting. Should no name be duly sent in any qualified candidate may be proposed, seconded and elected at the Meeting.

All three Commissioners shall go into office on the day after the Annual Meeting of Ratepayers and go out of office on the day after the next Annual Meeting, except as to matters then pending before them which they shall have power to complete.

No one who is a salaried official of the Council shall be eligible as a Commissioner.

Vacancies occurring during the year shall be filled by appointment or election by the party who appointed the Commissioner whose place shall have become vacant—a special Meeting of Ratepayers being called if necessary.

The Commissioners shall make their award within a month from the time they are applied to or within such time as they or a majority of them may extend it to.

The expenses of the Land Commissioners shall be defrayed out of the Public Funds, the fees of the Commissioners being either regulated by the Municipal Council in accordance with the time engaged on the duties, or fixed beforehand.

#### PROPOSED REGULATION VI b.

*Railways.*—In the event of the Imperial Railway Administration or any other duly authorised person or corporation desiring to acquire land by compulsory purchase in the Settlement for the purpose of constructing a railway the said Administration, person or corporation shall deliver to the Municipal Council a plan of the line shewing the land required and shewing the manner in which Public Roads are to be dealt with, and whether they are to be crossed by bridges or on the level, and giving such other information as will enable the Council to see how public rights will be affected and if the Municipal Council signify their approval of the scheme the said Administration person or corporation shall be entitled to acquire the land in the same manner and subject to the same conditions as those under which the Municipal Council acquire land for public purposes. Provided that the compensation awarded shall be the fair market value of the property acquired to be ascertained by the Land Commissioners with an addition of 25 per cent. for compulsory sale and such further sums as the Court

may determine to be the amount of damage (if any) caused to the remainder of the property by severance or otherwise and the amount of the damage (if any) sustained by the owner or occupier for loss of business, expenses of removal or other like causes.

#### PROPOSED REGULATION XXX.

*Buildings.*—The Council may from time to time make Rules with respect to the structure of walls foundations roofs and chimneys of new buildings for securing stability and the prevention of fires, and for purposes of health, with respect to the sufficiency of the space about buildings to secure a free circulation of air, and with respect to the ventilation of buildings, with respect to the drainage of buildings, to waterclosets earthclosets privies ashpits and cesspools in connection with buildings, and to the temporary or permanent closing of buildings or parts of buildings unfit for human habitation, and to prohibition of their use for habitation. And they may further provide for the observance of such Rules by enacting therein provisions as to notices, as to the deposit of plans and sections by persons intending to construct buildings, and as to inspection by the Council; and the Council may remove alter or pull down any work begun or done in contravention of such Rules or of any Byelaw of the Council. Provided always that no such Rules shall come into operation until they have been submitted to the Land Commissioners for their opinion though they shall not be subject to their veto, and until six months after publication.

#### PROPOSED AMENDMENT OF BYELAW VIII.

*Drainage.*—No new building shall be erected nor shall any old building be rebuilt until arrangements shall have been made and approved whereby the land forming or to form the site thereof shall be raised to such a height having regard to the centre of the nearest public road as the Municipal Council may require and all alleyways leading to or adjoining such buildings shall be raised and drained by the person building to the satisfaction of the Municipal Council, and whoever shall commence to erect any new building or to rebuild any old building and who shall fail to comply with the provisions of this Byelaw shall be liable for every such offence to a fine not exceeding TWO HUNDRED AND FIFTY DOLLARS, and it shall be lawful for the Municipal Council to stop any such building or rebuilding until the provisions of this Byelaw have been complied with.

No new building shall be erected nor shall any old building be rebuilt without such drain or drains constructed of such dimensions and materials and at such level and with such fall as may appear to the Municipal Council to be necessary and sufficient for the proper and effectual drainage of such building and its appurtenances, and if a public sewer or a sewer which the Municipal Council are entitled to use be within one hundred feet of any part of the site of such building

the drain or drains so to be constructed shall lead to and communicate with such sewer in such manner as the Municipal Council may direct, or if no such sewer be within that distance then the last-mentioned drain or drains may at the option of the person building communicate with and be emptied into the nearest of such sewers or into such covered cesspool or other place as the Municipal Council may direct and whoever shall erect any new building or rebuild any old building or construct any drain contrary to this Byelaw shall be liable for every such offence to a fine not exceeding TWO HUNDRED AND FIFTY DOLLARS and if at any time the Municipal Council shall discover that any building whether built before or after the passing of this Byelaw is without such a drain or drains as is or are sufficient for the proper and effectual drainage of the same and its appurtenances and if a sewer of the Municipal Council or a sewer which they are entitled to use be within one hundred feet of any part of such building they may cause notice in writing to be given to the owner or occupier of such building requiring him within such reasonable time as shall be specified therein to construct and lay down in connection with such building one or more drain or drains communicating with such sewer of such materials and dimensions at such level and with such falls as shall appear to be necessary and if such notice be not complied with the Municipal Council may, if they think fit do the works mentioned or referred to therein and the expenses incurred by them in so doing if not forthwith paid by the owner or occupier shall be defrayed by the Municipal Council and such expenses shall be recoverable from the owner of the building as damages.

Fourteen clear days before it is intended to commence the erection of any new building or the rebuilding of any old building a block plan of the land shewing the buildings to be erected thereon shall be submitted to the Municipal Council for their approval. On such plan there shall be clearly marked :—

(a)—The intended height of the land compared with the centre of the nearest public road.

(b)—The position and dimensions of all drains and sewers already constructed or intended to be constructed in connection with such buildings.

(c)—The position and dimensions of all intended fire-walls.

(d)—The height above the roadway and the width of all intended projections into or over any public road.

Within fourteen days after the said plan shall have been submitted to the Municipal Council the latter shall signify to the person submitting such plan their approval or disapproval with reasons expressed generally for any disapproval of the same and no building operations shall be commenced until the Municipal Council have signified their approval of the said plan, it being understood that in the event of the Council failing to express either approval or disapproval with reasons as above within the above named period all parties shall be at liberty to proceed as if no such approval were required.

PROPOSED BYELAW VIII *a*.

*Buildings.*—When a notice plan or description of any work is required by any Rule made by the Council to be laid before the Council, the Council shall, within fourteen days after the same has been delivered or sent to their Surveyor, signify in writing their approval or disapproval with reasons expressed generally for any disapproval of the intended work to the person proposing to execute the same.

Where the Council incur expenses in or about the removal of any work executed contrary to any Rule, the Council may recover the amount of such expenses either from the person executing the works removed or from the person causing the works to be executed at their discretion, in the same manner as they may recover penalties under the existing Byelaws.

For the purposes of Regulation XXX the re-erecting of any building pulled down below the first floor, or of any frame building of which only the frame work is left down to the first floor, or the conversion into a dwelling-house of any building not originally constructed for human habitation, or the conversion into more than one dwelling-house of a building originally constructed as one dwelling-house only, or the increase in height of the walls of a building, shall be considered the erection of a new building.

The Council may in making any Rule under Regulation XXX prescribe the fine with which the contravention thereof shall be punishable, but so that such fine shall not exceed for any one offence the sum of TWENTY-FIVE DOLLARS or in the case of a continuing offence the sum of TEN DOLLARS for every day during which such offence is continued.

The Council may also fix the fees to be charged to the persons who submit plans and specifications under the provisions of the Rules.

## PROPOSED AMENDMENT OF BYELAW XXXIV.

*Licenses.*—No person shall open or keep a Fair, Market, house or place of Public Entertainment, Music Hall, Theatre, Circus, Billiard, Bowling or Dancing Saloon, Brothel or Pawnshop, Dairy, or Laundry, Shop or Store for the sale of Wines, Spirits, Beer, Intoxicating or other Drugs, Butcher's Meat, Poultry or Game, Slaughter House or Livery Stable, or sell or vend any Wines, Spirits, Beer, Intoxicating or other Drugs, Butcher's Meat, Poultry or Game, or keep for private use or ply, let or use for hire, any boat, horse or vehicle, within such limits, without a License first obtained from the Council, and in the case of Foreigners countersigned by the Consul of the nationality to which such person belongs. In respect of such licenses, the Council may impose such conditions and exact such security as the nature of the particular case may require, and charge such fees in respect thereof as may be authorized at the Annual General Meeting of Ratepayers. And any person offending against or infringing the provisions of

this Byelaw shall be liable for every offence to a fine not exceeding ONE HUNDRED DOLLARS, and a further fine for every twenty-four hours' continuance of such offending or infringing not exceeding TWENTY-FIVE DOLLARS.

Council Room,

Shanghai, 13th January 1898.

GENTLEMEN,—I have the honour to acknowledge receipt of your communication of 10th January forwarding five new and amended Land Regulations and Byelaws which have been approved by a majority of your Committee, which the Council will submit to the Ratepayers at the forthcoming General Meeting.

The thanks of the Council are accorded to you for your labours up to the present, and it is noted that a further communication will be received from you on the subject of the Revision as a whole, at a later date.

I am, Gentlemen,

Your obedient servant,

A. R. BURKILL,

*Chairman.*

The Chairman and Members of the

Land Regulations Revision Committee.

Council Room,

Shanghai, March 28th, 1898.

SIR,—I have the honour to refer to your communication of 3rd October last, enclosing the Diplomatic Body's reply to your letter of July 23rd, on the subject of the Revision of the Shanghai Land Regulations. In reference to this subject, I have now to forward, herewith enclosed, for the consideration of the Consular Body and for communication to the Local Chinese Authorities, the text of certain new Land Regulations and Byelaws which were submitted to and approved by a Special Meeting of Ratepayers held on the 10th instant. The amendments and additions to the existing code contained in these proposed Regulations have been considered to be of such great and immediate importance to the good government of the Foreign Settlement as to render it advisable to submit them for the approval of the Consular Body and Local Authorities and for that of the Representatives of the Treaty Powers at Peking, rather than to await any general revision of the entire code.

The new and revised Regulations contained in the enclosed are as follows :—

Proposed Regulations	Via. Land for Public Roads.
" "	VIb. Railways.
" "	XXX. Buildings.
Amended Byelaw	VIII. Drainage.
Proposed "	VIIIa. Buildings.
Amended "	XXXIV. Licenses.

On behalf of the Council I have the honour to request that the consideration of these Regulations, and their communication to the Chinese Authorities, may receive the attention of the Consular Body at the earliest possible date, and that, if approved, they may be forwarded without delay to Peking for ratification by the Representatives of the Treaty Powers. The urgent need for the introduction of the measures to which these Regulations refer is sufficiently known to the Consular Body and requires no reiteration on the part of the Municipal Council.

I have the honour to be,

Sir,

Your obedient servant,

J. S. FEARON,

*Chairman.*

O. STUEBEL, Esq.,

Consul-General for Germany

and Senior Consul,

Shanghai.

Council Room,

Shanghai, 1st July 1898.

SIR,—In continuation of the Council's letters of 26th March and 10th ultimo, on the subject of the proposed New Land Regulations and Byelaws, I have now the honour to request that amended Byelaws VIII and XXXIV, referring respectively to the questions of Drainage and Licenses, be separated from the remainder of the text as passed at the recent Meeting of Ratepayers, and that these two Byelaws be submitted independently and at the earliest convenient date for the Consular Body's approval.

I have further the honour to request that, if approved by the Consular Body, they may then be forwarded for the sanction of the Foreign Ministers at Peking. Copy of the text of these Byelaws is now enclosed for reference.

The Council makes the above request because of the possibility which appears to exist of delay in obtaining the consent of the proper authorities to the proposed New Land Regulations, as distinct from Byelaws.

The Council's action in forwarding the entire text simultaneously on the 26th March last was based upon the opinion that serious delay was likely to be minimized or entirely obviated on this occasion, but, since this would now appear to be a matter of uncertainty, it seems highly desirable that the provisions for the enactments of Byelaws, as laid down in Article VI of the Land Regulations, should be followed in the case of the two immediately important questions of Drainage and Licenses.

It is the earnest desire of the Council that these two questions may be satisfactorily settled before the close of the year, and that the necessary arrangements for carrying out the terms of the amended Byelaws may be laid before the

next annual meeting of Ratepayers ; I have therefore the honour to express the Council's hope that these two Byelaws may receive the approval of the Consular Body at an early date and be forwarded, with the recommendations of that Body, to the Foreign Ministers.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,

*Vice-Chairman.*

O. STUEBEL, Esq.,

Consul-General for Germany  
and Senior Consul.

---

Kaiserl. Deutsches General-Konsulat,  
Shanghai, 12th August 1898.

SIR,—With reference to your letter of July 1st last on the subject of proposed new Land Regulations and Byelaws I have the honour to inform you that in compliance with the request of the Municipal Council, the Byelaws VIII and XXXIV, referring respectively to the questions of Drainage and Licenses, were, in a recent meeting of the Consular Body, considered separately from the remainder of the text as passed at the annual meeting of Ratepayers when these two Byelaws were passed and approved in accordance with Article XI of the Land Regulations, and when it was further decided to forward and submit the same for the approval of the Ministers of the Treaty Powers at Peking.

I have the honour to be,

Sir,

Your obedient servant,

O. STUEBEL,

*Consul-General for Germany  
and Senior Consul.*

JOSEPH WELCH, Esq.,

Chairman, Municipal Council.

---

Council Room,  
Shanghai, 23rd August 1898.

YOUR EXCELLENCY,—I have the honour to forward to you a copy of two new and amended Byelaws which it is proposed shall follow and take the place of, respectively, Bye-laws 8 and 34 attached to the Land Regulations for the Foreign Settlements of Shanghai, North of the Yang-king-pang.

In accordance with Article XI of the aforesaid Land Regulations these alterations were passed by the Ratepayers of Shanghai, in special meeting assembled, on the 11th March last ; they have been duly published, and I am now



informed by the Consul-General for Germany, in his capacity of Senior-Consul, under date 12th instant, that they have received the assent of the local Consular body.

There yet remains, before the final embodiment of these much-needed reforms in the existing code of Byelaws, the sanction of the Ministers of Foreign Powers having treaties with China, and I have the honour to request that you may be good enough to lay the accompanying draft before your Colleagues, and obtain an expression of their formal agreement thereto.

I have the honour to be,  
Your Excellency,  
Your obedient servant,  
JOSEPH WELCH,  
*Chairman.*

DON BERNARDO DE CÓLOGAN,  
Minister Plenipotentiary of  
H.M. The King of Spain,  
and Doyen of the Diplomatic Body,  
Peking.

Legacion de España en Chine y Siam,  
Pékin, le 10 Septembre 1898.

MONSIEUR,—Aussitôt que j'ai reçu votre lettre du 23 Août, je l'ai soumise à la connaissance du Corps Diplomatique et je puis avoir aujourd'hui l'honneur de vous informer que tous les Représentants étrangers à Pékin ont approuvé les deux nouveaux articles et amendements aux "Regulations" des Foreign Settlements au nord du Yang-king-pang, auxquels votre susdite lettre se réfère.

Agréez, Monsieur le Président, l'assurance de ma considération très-distinguée.

BERNARDO J. DE CÓLOGAN.

Monsieur JOSEPH WELCH,  
Président du Conseil Municipal du  
Foreign Settlement, Shanghai.

H.M.F.M.'s Consulate-General,  
Shanghai, 5th September 1898.

SIR,—I have the pleasure to forward to you the translation of a letter from the Taotai on the New Land Regulations and a copy of the answer made by the Consular Body.

From that correspondence you will see that my colleagues and myself consider the question as settled, and that the new Regulations will enter into force

as soon as they have the sanction of the Diplomatic Body, to whom they have been submitted for approval.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,

*H.M.F.M.'s Consul-General*

*and Senior Consul.*

J. WELCH, Esq.,

Chairman of the Municipal Council.

[*Enclosure 1.*]

Taotai Tsai to Senior Consul.

Shanghai, 1st September 1898.

SIR,—I have the honour to inform you that on the 5th day of the 7th moon (21st August) I received a reply from H.E. Liu, Superintendent of Trade for the Southern Ports, to my communication enclosing copy of the Land Regulations drawn up by the Municipal Council and requesting H.E. to approve them, the reply is as follows:—

“The Viceroy is in receipt of the Taotai's communication and copy of Land Regulations. As he has never yet occupied himself with these regulations he deems it undesirable to interfere with them now.

“It is a matter that should be satisfactorily arranged between the Municipal Council and the Consular Body with the sole object of being advantageous to the people and merchants. The Taotai will please inform them accordingly.”

Some time ago Dr. Stuebel, the preceding Senior Consul, addressed me desiring the Land Regulations to be examined and decided by the Superintendent of Trade for the Southern Ports, which request I duly transmitted to H.E.

Now on receipt of the above reply, I have to acquaint you with it and request you to make the necessary communications.

I avail myself of the opportunity to wish you happiness of the day.

I have the honour to be, etc., etc.

[Card of the Taotai TSAI CHUN.]

[*Enclosure 2.*]

Senior Consul to Taotai Tsai Chun.

Shanghai, 5th September 1898.

SIR,—I have the honour to acknowledge receipt of your letter of the 1st instant communicating to me a dispatch in which His Excellency the Governor-General says that he “deems it undesirable to interfere with the Land Regulations” and that the “matter should be satisfactorily arranged between the Municipal Council

"and the Consular Body, with the sole object of being advantageous to the people and merchants."

The new Land Regulations have been passed by the Ratepayers on the proposal of the Municipal Council, they have been approved by the Consular Body and are not opposed to by His Excellency Liu as they respond to the sole condition proposed by him to be advantageous to the people and merchants. Such is certainly the case, when they were drawn by men of experience who have only in view the welfare of the Settlements and their inhabitants. The question must, in consequence, be now considered as settled. My colleagues and myself have therefore decided to submit to the approval of the Diplomatic Body in Peking these new Regulations, which will then enter into force as soon as they have the sanction of the said Body.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,

*Consul-General for Portugal*

*and Senior Consul.*

Council Room,

Shanghai, 22nd September 1898.

SIR,—I have the honour to hand you, herewith enclosed, translation into Chinese of the new Byelaws Nos. VIII and XXXIV, which are being published in to-morrow's newspapers for public information, with the request that you will forward the same to the Taotai, in order that he may, through the Mixed Court Magistrate, communicate the contents to the Chinese residents in the Settlements.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,

*Chairman.*

J. M. T. VALDEZ, Esq.,

*Consul-General for Portugal*

*and Senior Consul.*

Shanghai, 28th September 1898.

SIR,—I have the honour to acknowledge receipt of your letter of 22nd instant, a copy of which I forwarded to the Taotai with the copies of the new Land Regulations, asking him to comply with your request.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,

*Consul-General for Portugal  
and Senior Consul.*

J. WELCH, Esq.,

Chairman of the Municipal Council  
for the Foreign Settlement.

---

H.M.F.M.'s Consulate-General,  
Shanghai, 10th November 1898.

SIR,—Referring to my letter of the 5th September last, I now, on behalf of my Colleagues, have the pleasure to inform you that according to a communication received from the Doyen of the Diplomatic Body at Peking, the Foreign Ministers have approved the new Land Regulations and amended Byelaws, as per printed copy herewith enclosed, and that, consequently, the Consular Body consider the Municipal Council as being entitled to enforce the said Regulations and Byelaws.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,

*Consul-General for Portugal  
and Senior Consul.*

J. WELCH, Esq.,

Chairman of the Municipal Council  
for the Foreign Settlement,  
Shanghai.

---

H.M.F.M.'s Consulate-General,  
Shanghai, 17th November 1898.

SIR,—H. Ex. Don Bernardo de C6logan, His Catholic Majesty's Minister, and Doyen of the Foreign Representatives at Peking, in a letter which I just received, requests me to inform you that the Diplomatic Body, to whom he communicated a letter from you, dated 31st October last, have approved the three new articles of the Land Regulations.

H. Ex. adds that he addressed a note on the matter to the "Tsung-li Yamên" and will let me know their answer.

I am directed to inform you that, consequently, the Consular Body are now of opinion that the three new articles of the Land Regulations referred to cannot be enforced until further communication be received about the decision of the Tsung-li Yamên, the effects of my letter dated 10th instant being then suspended for what concerns the said three articles.

I have the honour to be,

Sir,

Your obedient servant,

JOAQUIM MARIA TRAVASSOS VALDEZ,

*Consul-General for Portugal  
and Senior Consul.*

J. WELCH, Esq.,

Chairman of the Municipal Council  
for the Foreign Settlement,  
Shanghai.

Council Room,

Shanghai, 24th November 1898.

SIR,—I have the honour to acknowledge receipt of your letter of 17th inst., on the subject of the New Land Regulations, which has received the attention of the Council.

In reply, I would venture to point out that these new Regulations having been communicated by the Doyen of the Diplomatic Body to the Tsung-li Yamên, and having been approved by the Foreign Ministers, are thereby placed in the same position as the code of 1870, which has been pronounced by the Ministers to be valid and binding, and upon which the present system of local government rests. Under these circumstances, the Council would request that the consent of the Diplomatic Body to the immediate enforcement of these Regulations be expressed without prejudice to, and pending, the receipt of the Tsung-li Yamên's opinion in regard thereto.

I have the honour to be,

Sir,

Your obedient servant,

JOSEPH WELCH,

*Chairman.*

J. M. T. VALDEZ, Esq.,

Consul-General for Portugal  
and Senior Consul.

### TRAMWAYS.

---

Acting in pursuance of the terms of Resolution X, passed at the last Ratepayers' Meeting, the incoming Council, in conjunction with the French Council, appointed a Commission for the purpose of selecting the most convenient route, system and method of procedure in calling for tenders for a system of Tramways. The Commission consisted of Messrs. J. PRENTICE and R. INGLIS, representing the Municipal Council, and Mr. E. BARD, representing the French Council, with Messrs. C. MAYNE and J. CHOLLOT, the respective Municipal Engineers. Their report is appended :—

Shanghai, 31st May 1898.

GENTLEMEN,—I have the honour to lay before the Councils the results of the meetings of the Commission appointed by them to report as to the best Scheme for the introduction of Tramways into the Foreign Settlements and the immediate neighbourhood.

The Commission is of opinion that if Tramways are eventually decided upon by the Ratepayers the following should be the terms and conditions :—

1.—The routes to be 3 in number, as shown in the accompanying Plan, *viz.* :—

- 1.—From "The Point" to the Garden Bridge and thence along the English, French and, if practicable, the Chinese Bunds.
- 2.—From the Bund end of the Nanking Road to the Bubbling Well.
- 3.—From the Shanghai Station of the Woosung-Shanghai Railway to the West Gate of the Chinese City.

The Commission recommends the first 2 routes and submits the 3rd for the consideration of the Council.

- 2.—The Electric Overhead Trolley System to be adopted.
- 3.—The Gauge to be 1 metre, the width of the cars being 2'3 metres.
- 4.—The Speed of the cars never to exceed 8 miles an hour, and in the curved parts of the Settlements special care to be exercised. Cars to be run every 10 minutes and every third car to be reserved for foreigners only.
- 5.—A Concession to be given for the construction of the line and all accessories to a Syndicate or Company to be known as the "Shanghai Tramway Company." The Concession to be for 30, 40 or 50 years according to the Tender that the Ratepayers may decide to accept and the Company to pay the Council a percentage of the total gross receipts for the period of the Concession. The payments to be made every 3 months. At the end of and at any

time after 15 years the Council to have the option of purchase, the price being the capitalized value based upon the average receipts for the last 7 years.

- 6.—The Tramway Company to pave between the rails and  $1\frac{1}{2}$  feet outside each rail the streets inside the Settlements with good permanent pavement to be approved of by the Municipal Surveyor. The macadamised roads outside the Settlements it is possible need not be paved but this must be left to the Municipal Surveyor.

The Council to repair and keep in order the said paving but the cost of so doing to be borne by the Company.

- 7.—A statement giving full technical details of what is required in connection with the Scheme to be drawn up by the Municipal Surveyor in accordance with the terms and conditions herein set forth and the said statement when approved of by the Council to be accompanied by a plan showing the routes and circulated here and among makers of tramways in America, England, France, Belgium and Germany, and tenders invited. Tenders when received to be laid before the Council and the best Scheme to be recommended by them to the Ratepayers.

The reason which has led the Commission to recommend that a Concession be granted, *vide par.* 5, is that after 15 years the pecuniary results of the Scheme would be sufficiently determined and that without such knowledge the Commission considers the financial risk too great for the Municipalities to undertake, even were it possible to obtain the necessary capital.

I am, Sir,

Your obedient servant,

JOHN PRENTICE,

*Chairman, Tramways Commission.*

To

The Chairman and Members  
of the Joint Municipalities of Shanghai.

---

Subsequent modifications were made in the conditions recommended, amongst them the question of adopting the "Metre" or the "Standard" gauge was left open, and a pamphlet was compiled, calling for tenders for 23 miles of Electric Tramways on the "Trolley" System and embodying conditions, particulars and statistics for the information of tenderers. This pamphlet has been distributed locally and in England, the United States, France, Germany and Belgium, and tenders will be received up to the 15th March next, the final proposals of the Councils being laid before the Ratepayers so soon after that date as is possible.

### TELEPHONE SERVICE.

---

The unsatisfactory condition of the present Telephone service, which led to the passing of Resolution VIII at the last Ratepayers' Meeting, caused the members of the Council to turn their attention to this question early in the year. Under the auspices of the Works Committee there has been compiled a pamphlet, similar in many respects with that dealing with tramways, giving the necessary information for tenderers for a proposed concession. Tenders for a concession for a period of 30 years for the exclusive right of establishing and working a telephone system in Shanghai have been called for in the principal centres of electrical industry; the date for receiving tenders has been fixed—31st March—after which date the Council will act upon the instructions given under the above Resolution.

---

### ROAD TO NEW RIFLE RANGE.

---

In February the Chinese Authorities were approached unofficially in regard to the means of approach to the New Range, which, after completion of the Shanghai-Woosung Railway line, became impossible for carriages and rickshas. Taotai Tsai Chuin expressed himself as willing to construct a road in this direction to form a continuation of the North Honan Road, and such a road, about  $1\frac{1}{4}$  miles in length, was, under his direction, laid out and has proved a great convenience, not only to the Volunteer force but to the community generally, as is shewn by the rapid manner in which the neighbourhood is developing. The new road will require careful supervision and maintenance, and it is hoped that this matter will devolve upon the Municipality.

---

### EXTENSION OF THE SETTLEMENT.

---

Every effort has been made by the Council to bring this question to a satisfactory conclusion, and it is earnestly hoped that the negotiations now proceeding will eventually attain that end.



Upon assuming office, the Council took up the matter without delay, addressing the Senior Consul. As will be seen from the following correspondence, the negotiations which then took place between the Consular Body and the Chinese authorities, here and at Nanking, resulted in the question being once more referred to Peking at the end of June.

Council Room,  
Shanghai, 24th March 1898.

SIR,—I have the honour to request that you may be good enough to inform me what progress has been made in the matter of the extension of the Settlement, referred to in the Council's official despatch of 22nd September last, to which despatch no reply has yet been made.

As this matter is one of the highest importance to local interests, and as the Council has been given, unofficially, to understand that the efforts of the Consular Body to bring the local Chinese officials to move in the matter have been abortive, I shall be obliged if you will put me in possession of the details of such negotiations as have taken place, in order that the position may be clearly recognised.

I have the honour to be,  
Sir,  
Your obedient servant,  
J. S. FEARON,  
*Chairman.*

O. STUEBEL, Esq.,  
Consul-General for Germany  
and Senior Consul.

---

Kaiserl. Deutsches General-Konsulat,  
Shanghai, 22nd May 1898.

SIR,—With reference to your letter of the 24th of March last, I have the honour to inform you that the matter of the extension of the Foreign Settlements was, soon after receipt of the Council's official despatch of the 22nd of September last, referred to the Diplomatic Corps at Peking, the Consular Body warmly supporting the views held by the Council.

In accordance with instructions received hereafter from the Foreign Representatives at Peking, an attempt was made to first obtain the consent of H.E. the Taotai to the proposed scheme of extension. This attempt has not been followed by success. Copy of the correspondence exchanged in this matter with the Taotai is herewith annexed.

In further compliance with the directions of the Foreign Representatives at Peking the matter has since been referred to the Governor-General at Nanking.

I have the honour to be,

Sir,

Your obedient servant,

O. STUEBEL,

*Consul-General for Germany  
and Senior Consul.*

J. S. FEARON, Esq.,  
Chairman, Municipal Council.

---

*[Senior Consul to Taotai.]*

---

Shanghai, 28th February 1898.

SIR,—It is, since many years, evident that the present area of the Foreign Settlements north of the Yang-king-pang is highly inadequate to the large population, both foreign and native, living in this district, their needs and just claims to good administration, and that in view of the rapid growth of this population an extension of the Settlements becomes every year a greater necessity. A strong agitation for such extension has, as Your Excellency is aware, set in in consequence among the foreigners of all nationalities living at Shanghai, and the Municipal Council has worked out and submitted to the Consular Body an extensive scheme showing what parts of the outlying districts of Shanghai should, in their opinion, now be added to the area already forming the Foreign Settlement of Shanghai, in order to meet the most urgent wants of our ever-growing foreign population. The Council have at the same time asked for the assistance of the Consular Body for obtaining the assent of the native authorities to the scheme which they have proposed.

The present boundaries of the Settlement having been ultimately defined in Art. I. of the Land Regulations, it is by amending the Land Regulations that an extension of the Settlement will have to be realised. Such amendment must, in accordance with Art. XXVIII, be consulted upon and settled by the Foreign Consuls and local Chinese authorities, whereupon it is subject to confirmation by the Foreign Representatives and Supreme Chinese Government at Peking.

I am now instructed by my colleagues to inform Your Excellency that we warmly support the scheme of extension of the Foreign Settlement as proposed by the Municipal Council and to request that Your Excellency will kindly let me know whether you are prepared to enter with the Consular Body into negotiations on the subject in accordance with Art. XXVIII of the Land

Regulations. If so, it will not be difficult to arrive at a further understanding about what will be the best arrangement for conducting these negotiations.

I have the honour to be,

Sir,

Your obedient servant,

STUEBEL.

[*Taotai to Senior Consul.*]

[*Translation.*]

Shanghai, 13th March 1898.

SIR,—On the 2nd instant, I had the honour to receive your despatch, which runs as follows :—

[*Text of despatch quoted.*]

The area of Shanghai has been, from the first, owing to its natural situation, a small one. From the time when a Foreign Settlement was established, there has been an influx of Chinamen to such a degree that the area now seems to be too small in comparison with the large number of inhabitants. It is, in fact, impossible to spare a single foot or inch outside of the Settlement to be set apart for a new Settlement. Further, if the number of foreigners settling in this place is always increasing, the number of my nationals is increasing in a five-fold way and more. Besides, foreigners, who settle in this place, do not live only within the Settlement, but a great many of them rent land and erect houses outside of the Settlement. This proves that the larger or smaller amount of the foreign population does not at all depend on the larger or smaller area of the Settlement.

Further, the Chinese Government has already provided for Police Stations, roads and lighting of the streets outside of the Settlement; all kinds of such works will be extended in due time. Foreigners generally do not meet with any obstruction as to their settling outside of the Settlement, *e.g.* outside of Hsüchiahui (徐家匯) and Peineechengchiao (北泥城橋), and there is no clause in the treaties providing for an extension or reduction of the Settlement in proportion with the larger or smaller number of the foreign residents.

As to your suggestion, Mr. Senior Consul, to enter into joint negotiations about the proposed scheme of an extension of the Settlement, I therefore hold that it will be the best to conserve the present state of things.

Asking you to communicate this my reply to your colleagues, etc., I have the honour, etc.

[Seal of Taotai TSAI.]

Kaiserl. Deutsches General-Konsulat,  
Shanghai, 30th June 1898.

SIR,—In continuation of my letter of May 22nd last dealing with the matter of extension of the Foreign Settlement I have the honour to inform you that His Excellency the Governor-General at Nanking has, in a letter recently received, declined, on his part also, to support the scheme of Settlement extension as proposed by the Municipal Council.

The correspondence between the Senior Consul and the Local Chinese authorities at Shanghai and Nanking is now submitted to the Foreign Representatives at Peking.

I have the honour to be,

Sir,

Your obedient servant,

O. STUEBEL,

*Consul-General for Germany  
and Senior Consul.*

J. S. FEARON, Esq.,  
Chairman, Municipal Council,  
Shanghai.

---

In view of the deadlock to which the question had thus been brought, the Council, impressed with the necessity for further immediate action, brought the facts to the notice of the General Chamber of Commerce and urged that the weight of the Chamber's influence be brought to bear. As a result, and following upon an extraordinary public meeting convened by the Chamber, that body forwarded strong representations in the matter to the several Ministers at Peking. The following is the correspondence which passed :—

Council Room,  
Shanghai, 9th June 1898.

SIR,—You will have observed in the Minutes of the Council published to-day certain correspondence in regard to the question of Settlement Extension. From the Senior Consul's despatch of 22nd ultimo it will be remarked that after abortive negotiations with the local native authorities, this important question has been referred to the Viceroy at Nanking for settlement. It will be within the recollection of the Chamber that in August 1895 the Council, upon the Chamber's representations, addressed the Senior Consul in this matter. The latter, after a fruitless attempt to enter into negotiations with the Taotai, referred it to the Diplomatic Body at Peking, by whom a vigorous despatch was addressed, without result, to the Yamèn in March 1896. The Council having been subsequently informed, semi-officially, that the time was inopportune for renewing the subject

at Peking, certain negotiations of a preliminary nature were conducted with the local gentry and minor officials at Shanghai during the year 1896; from these, little resulted beyond the verification of the fact that the local officials are, generally speaking, in favour of the scheme of Settlement Extension. In September of last year, however, the Council, impressed with the vital and immediate importance of the question in its bearing upon the health, comfort, and prosperity of the rapidly increasing community, renewed its efforts to bring the matter to a satisfactory conclusion. I beg to refer you to the correspondence which passed between the Chamber and the Council at that date, where the interests of both were recognised to be identical and of the highest importance. The views expressed in the Council's letter of 22nd September to the Senior Consul were cordially endorsed and supported by the action of your Chamber.

From the reply to that letter, published in to-day's minutes, you will, however, observe that the question of Settlement Extension, after being referred to Peking, and since re-opened locally by the Senior Consul, under instructions from the Diplomatic Body, is practically in the same unsatisfactory state as it occupied immediately after the first negotiations in 1895. Under these circumstances I am desired by my colleagues to bring the facts of the case to your notice, and to suggest that the weight of the Chamber's powerful influence be brought to bear on the question.

I have the honour to be,

Sir,

Your obedient servant,

J. S. FEARON,

*Chairman.*

E. F. ALFORD, Esq.,

Chairman,

Shanghai General Chamber of Commerce.

---

Shanghai General Chamber of Commerce,  
Shanghai, 21st June 1898.

DEAR SIR,—I have not hitherto replied to your letter of the 9th instant relative to the much desired extension of the Foreign Settlements as the verbal arrangements made between us rendered it unnecessary. I have however now the pleasure to advise you officially of the Special General Meeting of this Chamber held on the 17th instant, of which printed official accounts will be sent you, and regarding which the Chamber has duly addressed the Ministers at Peking individually.

We can but hope that such a unanimous expression of opinion will have the desired effect.

I have the honour to be,

Sir,

Your most obedient servant,

E. F. ALFORD,

*Chairman.*

J. S. FEARON, Esq.,

Chairman,

Shanghai Municipal Council.

---

In the beginning of July the Chairman of the Council visited Peking with the object of engaging the personal support of the members of the Diplomatic Body in the question, his representations being favourably received. As a result of the steps taken, and with a view to expediting the negotiations, the British, United States and German Consuls-General subsequently received instructions from their respective Ministers to negotiate directly with the Shanghai Taotai for the extension of the Settlement, and it was hoped that their proposals on behalf of the community would lead to an early settlement of the question. Complications, however, arose out of the dispute between the French and Chinese authorities in the matter of the Ningpo Guild riot, the Taotai being instructed by the Viceroy at Nanking to settle this matter and the extension claimed for the French Settlement before dealing with that of the General Settlement. Meetings have taken place at intervals since October between the Consular representatives above-mentioned and the Taotai, at which preliminary discussions have been held as to the extent and conditions of the proposed extension, but at the close of the year the matter remains practically *in statu quo*—the introduction of questions of an international nature serving to block progress. The Council trusts that energetic measures may be taken in the near future to arrive at some satisfactory arrangement.

---

PUBLIC LIGHTING.

---

The lighting of the streets in the Settlement and roads outside has been carried out, so far as has been possible, on the lines laid down in the Budget and is as efficient as circumstances permit. Improvements in the electric street lamps will be proceeded with and their number increased when the extension of plant is completed; in the meanwhile the three methods of street lighting continue as heretofore.

*Gas Lamps.*—The terms of the Agreement with the Shanghai Gas Company which was signed in March and which has been renewed until 31st December 1899, are as follows :—

1.—The Company shall each and every evening during the term of one year to be computed from the First day of January 1898, cause to be lighted with gas the public gas lamps in the several streets, roads and other places within and about the Foreign Settlements at Shanghai as are at present erected fitted up and lighted by the Company and such additional gas lamps and of such descriptions as the Council may from time to time require to be erected and lighted of which reasonable notice in writing shall be given to the Company and all such lamps shall be kept lighted throughout the night between the hours hereinafter specified except on moonlight nights when all lamps shall be extinguished at midnight (with the exception of the 10 feet Wharf lamps) on two nights before full moon, the night of the full moon and the two succeeding nights. The Municipal Engineer of the said Settlements shall be at liberty at any time during this Agreement to direct that the lighting of certain of the lamps to be lighted hereunder and whether now erected or additional (to be erected and as herein provided by order of the Council) shall be discontinued provided that the minimum number of lamps to be lighted under this Agreement at any one time and whether now erected or additional or both be never less than Three hundred and fifty (350).

2.—The Council shall on the last day of each month or as soon after as practicable cause to be paid to the Company in respect of each lamp to be lighted by the Company under this Agreement the monthly sums stated in Schedule A hereunto attached the first payment to be made on or about the thirty-first day of January 1898.

3.—The said sums as specified in Schedule A shall include the cost of lighting, extinguishing, cleaning, together with the proper maintenance (including annual painting of columns and brackets) of all lanterns, burners, lantern cocks and all piping in connection therewith not exceeding 30 feet in length from the Company's main, to the satisfaction of the said Municipal Engineer, but the Company shall not be called upon to make good any of the lamp posts, brackets, lanterns or burners which may have been damaged by accidental causes being any causes other than those occasioned by neglect or wilful act of the Company or any of its servants or fair wear and tear.

4.—No persons other than the servants of the said Gas Company instructed by the Engineer of the said Company shall be permitted to affix, remove, alter or repair any lamp post or bracket or any lantern, burners or any pipe or fitting used for the purpose of carrying out this contract except in the case of a leakage of gas or other accident when the servants of the said Council shall have power to adopt such temporary measures as may be necessary until the arrival of the Gas Company's representative.

5.—The Company hereby agrees upon the requisition of the said Municipal Engineer to provide every public gas lamp now erected or that may hereafter be erected within and about the Foreign Settlements at Shanghai where gas mains are at present laid or shall during the period of this Agreement be laid with the burner or burners known as the "Borradaile" or other approved burner or burners and cause to be well and sufficiently consumed therein gas of the illuminating power hereinafter prescribed and at such a rate per hour as may be decided by the Council, and it is hereby mutually agreed that the illuminating power of the gas furnished by the Company to the aforesaid classes of lamps shall not be less than Sixteen candle power when consumed in the standard burner prescribed by the Metropolitan Gas Referees of London and tested by a standard suitable to the climate such as shall be mutually agreed upon, and it is hereby further agreed that the gas to be furnished by the Company shall be gas completely purified from sulphuretted hydrogen and shall not contain more than ten grains of ammonia in every one hundred cubic feet of gas, the degree of purity of the gas to be ascertained in accordance with the rules prescribed in the Gas Works Clauses Act of 1871.

6.—The Council should they consider it necessary will provide and maintain a testing station in a suitable position and appoint a Gas Examiner who shall be duly qualified to act in that capacity.

If at any time during the hours of lighting covered by this Contract the Gas Examiner shall find the illuminating power lower than the prescribed standard, or shall detect the presence of sulphuretted hydrogen or an excess of ammonia beyond the amount hereinbefore agreed upon he shall immediately notify the Company and the Council. Upon receipt of the notification the Company shall be at liberty to send their represen-



tative within 24 hours to the testing station of the Council where the Gas Examiner in conjunction with the Company's representative shall make the tests for illuminating power or purity and if at this testing the Gas is found to be deficient in illuminating power or of insufficient purity it shall be deemed conclusive proof that the gas was below the prescribed standard on the first occasion of testing but if the tests of the Gas Examiner are not confirmed by the joint testing with the Company's representative then the penalties hereinafter agreed upon shall not be imposed. Provided always that in case the Gas Examiner and the representative of the Gas Company are unable to agree in their results the Council and the Gas Company shall each appoint a fit and proper person to act as Referee to decide all questions that may arise connected with the purity and illuminating power of the Gas to be provided and in case of a difference of opinion between the Referees they shall appoint an Umpire whose decision shall be final and binding on both parties and in the event of the decision being adverse to the Gas Examiner the Company shall not be deemed to have incurred any forfeiture in respect of such particular occasion. And it is understood that the said referee shall in no way be considered to possess the power of an arbitrator upon any question which may arise hereafter between the said Council and the Company unless and except such questions originate from a variance of opinion about the purity or the illuminating power of the gas to be provided whereupon the decision of the referee shall be binding upon both parties.

7.—The said Council shall on being informed by the Gas Examiner that the Gas tested and examined as hereinbefore provided is of insufficient purity or of an illuminating power below the illuminating power hereinbefore mentioned give official notice in writing to the Company that the quality of gas furnished by the Company has been tested and declared to be of insufficient purity or of an illuminating power less than the illuminating power hereinbefore agreed to, then the Company shall subject to the proviso hereinafter contained for each and every day on which the gas is of insufficient purity or illuminating power pay the following sums as penalties that is to say for each full half candle deficiency in illuminating power the sum of Five Mexican Dollars per day for each day on which sulphuretted hydrogen is found present in the gas the sum of Five Mexican Dollars per day and for each full grain of ammonia above the quantity agreed upon Five Mexican Dollars per day. Provided always that such deficiency of illuminating power or insufficiency of purity are caused by neglect or wilful act of the Company and not by the Act of God, accidents at Works, strikes, lock-outs, wars or force majeure. All penalties incurred by the Gas Company under this Clause shall be paid by the Company monthly.

8.—The Company shall upon receipt of a requisition from the Municipal Engineer provide and erect as provided for in Clause 1 of this Agreement or remove and re-erect such and so many lamps, lamp posts, brackets, burners, piping and

other fittings in connection therewith as may be required anywhere in or about the area of the Foreign Settlements at Shanghai where gas mains are at present laid or shall during the period of this Agreement be laid, at the sole cost and charge of the said Council which shall pay for all such materials and labour at the rates specified in the Schedule of prices observed in the Gas Company's Office.

9.—The Company hereby agree to cause each and every public lamp at present erected or any such to be hereafter erected to be punctually lighted each evening not later than at the hour specified for each month of the year in the table hereunder written and to be kept so lighted and to be kept constantly supplied with the full quantity of gas until the hour specified each morning for each month of the year in the table hereunder written and so often as the said lamp shall not be kept supplied with the full quantity of gas or shall not be lighted at the time agreed or kept lighted throughout the night until the hour agreed the Company shall deduct, subject to the proviso hereinafter contained, from the monthly account the sum of Thirty Mexican Dollar Cents per night for each and every lamp which the Police shall report to the said Municipal Engineer as not having been lighted at the time agreed or not kept supplied with the full quantity of gas or as not having been kept lighted until the time agreed. And the hours agreed to and referred to in this clause for the lighting and extinguishing of all the said lamps for each and every consecutive month of the year shall be those contained and specified in the table hereunto attached. Provided always that the said sum of Thirty Mexican Dollar Cents per night for each and every lamp not lighted or not kept supplied with the full quantity of gas or not kept lighted as aforesaid shall not be forfeited by the Company if the extinguishing or nonlighting of the said lamps have been occasioned by accidental causes the true meaning and interpretation of the term accidental causes being any causes other than those occasioned by the neglect or wilful act of the Company or any of its servants or by fair wear and tear.

10.—Subject only to the approval of the said Municipal Engineer the Company shall have the power to break up or remove the pavement, pitching, ballast or other road metalling of any street road or place or sink and dig any hole or trench in, under, along or across any street, road or other public place in or about the said Foreign Settlements at Shanghai for the purpose of laying any gas main or service pipe or of repairing any such already laid. The replacing of the pavement, pitching or ballast shall be executed by and under the supervision of the officers of the Municipal Engineer's Department of the Foreign Settlements at Shanghai at the sole cost and charge of the Company which shall pay for all such work at the rate specified in the schedule of prices observed in the Municipal Engineer's Department aforesaid except such excavations as may be necessary for laying new or relaying or repairing lamp services or services to Municipal property when the cost of all necessary road repairs shall be borne by the Council. And it

is further understood that such work to be done by the said Municipal Engineer or his officers shall not include the laying or repairing of gas mains or service-pipes but solely refer to the proper surfacing, metalling, pitching or paving of the ground so as to leave it in the same condition as it existed previous to the excavations of any such holes or trenches.

11.—The Company hereby agrees to keep at all times the glass panes of each and every lantern bright and clean and it is further provided that should the glass of any such lantern not be duly cleaned the said Municipal Engineer shall notify the same in writing to the Company and if the said glass panes are not duly cleaned within twenty-four hours after the issue of such notification in writing the Company shall deduct from the monthly account the sum of Ten Mexican Dollar Cents for each and every lantern not duly cleaned.

12.—It is hereby understood and agreed that for the purposes of this Contract the words and expressions Municipal Engineer hereinbefore referred to shall mean the Municipal Engineer of the Foreign Settlements at Shanghai or the Acting Municipal Engineer for the time being of the said Foreign Settlements or the person for the time being lawfully performing the duties of the Municipal Engineer of the said Settlements and that the word gas shall be understood to mean illuminating gas containing under no circumstances a greater proportion of water gas in the mixture of coal gas than one fourth.

13.—If during the continuance of this Agreement or at any time afterwards any difference shall arise between the Council and the Company in regard to the construction of any of the Articles herein contained or to any act or thing to be done in pursuance hereof or to any other matter or thing relating to this Agreement or the matters therein contained (being other than differences as to the matters the settlement of which is already fully provided for and set out in Article 6 of this Agreement) such difference shall be forthwith referred to the arbitration of George Jamieson, Esq., Her Britannic Majesty's Consul-General at Shanghai or the Consul-General for the time being whose decision shall be final and binding on both parties.

#### SCHEDULE A.

For each lamp or burner consuming 4 c. ft. per hour \$2.95 per month.

"	"	"	"	5	"	"	\$3.55	"
"	"	"	"	10	"	"	\$7.15	"

For cleaning and lighting five (5) lamps in the Public Gardens \$0.25 (twenty-five dollar cents) each per month.

For cleaning, lighting and maintaining the lamp on the Peking Road pontoon \$0.75 (seventy-five dollar cents) per month.

For the purposes of this contract the lamp on the P. & O. pontoon is to be considered as a 10 ft. Wharf lamp not extinguished during full moon, the Mail Companies having the privilege of consuming the full quantity for which the lamp is rated, viz., 16 c. ft. per hour when required.

TABLE REFERRED TO IN CLAUSE I.

*All lamps to be lighted by*

From Jan.	1 to Jan.	9	...	...	...	5.30 p.m.
" "	10 "	30	...	...	...	6.00 "
" "	31 " Feb.	20	...	...	...	6.15 "
" Feb.	21 " March	6	...	...	...	6.30 "
" March	7 " April	10	...	...	...	7.00 "
" April	11 " May	1	...	...	...	7.15 "
" May	2 " "	22	...	...	...	7.30 "
" "	23 " July	17	...	...	...	7.45 "
" July	18 " Aug.	14	...	...	...	7.30 "
" Aug.	15 " Sept.	11	...	...	...	7.00 "
" Sept.	12 " "	26	...	...	...	6.30 "
" "	27 " Oct.	9	...	...	...	6.00 "
" Oct.	10 " "	30	...	...	...	5.45 "
" "	31 " Nov.	13	...	...	...	5.30 "
" Nov.	14 " Dec.	18	...	...	...	5.00 "
" Dec.	19 " "	31	...	...	...	5.15 "

*All lamps not to be extinguished before*

From Jan.	1 to Jan.	16	...	...	...	6.45 a.m.
" "	16 " "	31	...	...	...	6.30 "
" Feb.	1 " Feb.	13	...	...	...	6.15 "
" "	13 " "	28	...	...	...	6.00 "
" March	1 " March	13	...	...	...	5.45 "
" "	14 " "	27	...	...	...	5.30 "
" "	28 " April	17	...	...	...	5.00 "
" April	18 " May	8	...	...	...	4.30 "
" May	9 " July	24	...	...	...	4.00 "
" July	25 " Aug.	14	...	...	...	4.30 "
" Aug.	15 " "	28	...	...	...	5.00 "
" "	29 " Sept.	25	...	...	...	5.30 "
" Sept.	26 " Oct.	16	...	...	...	5.45 "
" Oct.	17 " Nov.	6	...	...	...	6.00 "
" Nov.	7 " Dec.	4	...	...	...	6.15 "
" Dec.	5 " "	18	...	...	...	6.30 "
" "	19 " "	31	...	...	...	6.45 "
Number of hours of all night lighting					...	3,996 per annum.
Deduct hours extinguished—full moon					...	345 "
Total lighting hours					...	<u>3,651 per annum.</u>

1,095 defects have been reported during the year, 368 of which were defective in lighting power and 727 had dirty or broken lanterns, the fines on which amounted to \$103.30; 25 new lamps have been erected and 41 have been put out of lighting, 39 of which were on the Yangtsze-poo Road.

The total number of gas-lamps in lighting on the 31st December was 432.

*Electric Lamps.*—The total number of arc-lamps for public lighting is 141, an increase of 19 lamps during the year, accounted for by the erection of 20 lamps in Yangtsze-poo Road and the removal of one in Broadway.

The sum credited to the Department on account of public lighting has been at the rate of Tls. 250 per lamp per annum.

*Oil Lamps.*—The number of oil-lamps in use in West Hongkew is 70, against 60 last year.

In addition to these, 12 patent “Wimbledon” lamps have been erected on the Rifle Range Road, an experiment whose results have not yet been fully ascertained.

---

#### LEGAL PROCEEDINGS.

---

The following are accounts of legal proceedings engaged in by the Council during the year.

*Browett versus the Council.*—This was an action brought by Mr. H. BROWETT to restrain the Council from using the foreshore of U.S. Lot 112 as a garbage-yard, a practice which had been in force for upwards of 20 years. The case was heard before the Court of Consuls on the 25th March and Judgement was given as follows :—

#### IN THE COURT OF CONSULS

Before O. STUEBEL, Esquire, H.I.G.M. Consul-General; J. GOODNOW, Esquire, Consul-General for the United States of America; and R. W. MANSFIELD, Esquire, H.B.M. Acting Consul-General.

---

#### *Judgment.*

The Plaintiff is Harold Browett, a British subject, who is registered in the United States Consulate-General as the owner of a piece of land situated within the Foreign Settlements of Shanghai, known and hereafter described as Lot 112.

The Defendants are the Municipal Council, elected by the Ratepayers of the said Foreign Settlements in accordance with Article IX. of the Land Regulations, and, in exercise of the powers which they claim are conferred upon them by the said Regulations, they use the portion of Lot 112 adjoining the Soochow Creek as a Garbage Yard for lading the garbage of the Settlements into boats.

The Plaintiff considers the use of a portion of his land as a garbage yard by the Defendants to be a trespass, involving at the same time a nuisance to him and the tenants of the houses on the said lot of land.

He therefore prays that the Defendants, their contractors, servants, workmen, and agents may be restrained by a perpetual injunction of this Court from entering upon the said lot of land, or any part or portion thereof, and also from dumping, or depositing, or otherwise dealing with garbage thereon. The land known as Lot No. 112, which was first acquired by a foreigner from the native owners in 1862, was purchased by the Plaintiff in 1888, and the accretion to the foreshore on the Soochow Creek in front of it was purchased by the Plaintiff from the Chinese Government in 1890.

These facts are not disputed by the Defendants. It appears, however, from the evidence produced by the Defendants, that the portion of Lot No. 112 adjoining the Soochow Creek was used by the Defendants as a place for depositing and lading garbage into boats ever since the years 1875 or 1876.

In order to make it fit for depositing garbage it had to be filled up, which was first done with garbage and mud in April, 1876, and when it was found that the cart wheels stuck on the newly filled in ground, 150 cart-loads of granite chips were put on the top in December of the same year.

In 1891 a low bunding was made very near low water mark, and a stone slope was laid leading up to the raised ground, all which work was done by the Defendants' employés.

This was the position of affairs at the commencement of this suit.

A fence of some description existed both before and after 1876, originally following the line of high water mark, and separating the garbage yard of the Defendants from the original Lot No. 112.

This fence has, to all appearance, not been always at the same place, but has been moved, though for a short distance only, towards the Soochow Creek.

It was erected and kept in repair by the owners or tenants of Lot No. 112.

Now it is contended by the Defendants that the land known as Lot No. 112, having been acquired from the original Chinese owner in 1862, came under Article V. of the Land Regulations of 1854 when that portion of it which is beach ground was first used as a garbage yard in 1876. This article provides that, with lots hereafter acquired, the beach ground shall be held subject to use for public purposes.

The Defendants further claim that by using the land as a garbage yard for over 20 years they have acquired a prescriptive right over it, which the owner of the land is now bound to acknowledge.

It is also put forward by the Defendants that the Plaintiff having submitted to the use of the land since 1888 as it is used now, he ought not to have an injunction, as that is a remedy given only when prompt action is required and no other relief would avail, and that also no other relief is called for in this case, as the Plaintiff bought the land with a knowledge of the circumstances. From the evidence produced it appears that the beach ground in front of Lot No. 112 when it was first used as a garbage yard in 1876, did not yet form part of No. 112, but was the property of the Chinese Government and remained such, until it was purchased by the Plaintiff in 1890.

As long however as the land was not foreign owned it did not come under the provisions of the Land Regulations, and if it was used as a garbage yard before 1890, this was done with the tacit consent of the local Chinese authority only.

The Court is of opinion however that no importance attaches to the question as to the year in which the terms of the Land Regulations—either those of 1854, Article V., or those of 1869, Article VI., which are practically the same for the purpose of this particular point—were first applicable to the land under consideration.

The Defendants having admitted the Plaintiff's right of ownership, the point to be decided by the Court is whether or not power is given the Defendants by the Land Regulations to restrict the Plaintiff's right of property by "now" using a portion of his land as a garbage yard.

The provisions in Article V. of the Land Regulations of 1854 and in Article VI. of those of 1869 are to some extent open to different interpretations, and doubts have been pronounced as to their full bearing in former lawsuits.

It seems, however, to be the essential point in the present case to define what is understood to be the meaning of the term "public use" to which certain lands shall be surrendered.

The words "public use" admit of either a wide or a restricted interpretation.

A road, where there is a need for it owing to the traffic of a town, benefits every single individual of the community.

The demand by the public for a road can be satisfied by no other arrangement.

A road therefore serves the public use in a most prominent way, and to secure a proper system of roads within the Settlements seems to have been the main object in framing the provisions of the Land Regulations in question. In a similar way public jetties constructed on rivers and creeks benefit the community at large by giving them free access to the water at convenient places, and if, in

the Land Regulations, the surrender of beach ground of the rivers is especially mentioned, those who framed these regulations will have had in view the use of these beach grounds for roads and jetties.

In the case of *Ince v. Thorburn* heard on Appeal by the Lord Chancellor of England and the Lords Justices Blackburn and Hobhouse the finding contains the following words with reference to the expression "public uses" as used in Regulation V. of the Land Regulations of 1854 :—"Their Lordships think it must be taken that these 'uses' were those to which beach ground, that is the sides of the rivers in this district, is held subject, such as probably to beach boats, to have access to the river, and other things of that nature."

Now there is no doubt an essential difference between the "public use" as applied to roads and jetties and as applied to a garbage yard for Municipal purposes.

The interest of every individual member of the community does not demand that this garbage yard be located at a particular spot in the Settlements and, even admitting that there be extreme difficulty in otherwise disposing of the garbage of the Settlements, it will be a question of expense only to bring about another arrangement to take the place of the present one, either by the purchase of another suitable riverine lot of land within the Settlements, or by providing for the carrying of the garbage in carts out of the Settlements. Another means of disposing of the garbage would be the establishment of a garbage destructor, a practical means that has already formed an object of consideration on the part of the defendants.

The use of a piece of land within the Settlements for slaughtering cattle at special hours of the day under Municipal control or for storing coal, stone, or other material for Municipal purposes during certain hours of the day before otherwise disposing of the same would be very much of the same nature as the use of a piece of land for a garbage yard, but in the opinion of the Court it would be difficult to sustain the contention that the Land Regulations would justify the Defendants in demanding a free surrender of land for such purposes.

Now it is a universally recognised principle in the law of all nations, that if, in the interest of the public weal, provisions are enacted with such an exceptional purpose as that of restricting owners of land in the enjoyment of their full right of ownership, these provisions must not be interpreted in a wider sense than is absolutely warranted by the bearing of the words used and the apparent end aimed at by the legislature.

It is by reason of this principle that the Court in the case before it grants the petition of the Plaintiff and orders that the Defendants, their contractors, servants, workmen, and agents be restrained from entering upon Lot No. 112 or any part or portion thereof and also from dumping or depositing or otherwise dealing with garbage thereon, and it will remain with the parties to agree on a fair



compensation to be paid to the defendants for the bunding and stone pavement of the slope. Taking into consideration however that the use by the Defendants of a portion of the Plaintiff's land as a garbage yard was exercised under a "bona fide" belief that the right existed ever since the Plaintiff purchased the land and a long time before that date, and that public interests demand that the Defendants be given time to provide for another arrangement with regard to the disposing of the garbage hitherto laded in boats on the land of the Plaintiff, the order of the Court as given above shall not come into force until after one year from the date of this decision. The "bona fides" with which the Defendants have acted throughout the time of their using the land for Municipal purposes also justify the Court in holding that the Court fees and costs of these legal proceedings be borne by both parties in equal shares.

(Signed)      O. STUEBEL.  
                          J. GOODNOW.  
                          R. W. MANSFIELD.

The 9th day of May 1898.

---

*The Council versus McMurray.* — Action was taken against Mr. W. McMURRAY in H.M. Supreme Court to compel him to surrender a portion of his land on Road Extension No. 16 under the provisions of Article VI of the Land Regulations. Judgement in the following terms was given against the Council, and an appeal to the Privy Council has been applied for and granted :—

In this case the Municipal Council for the Foreign Community of Shanghai pray this Court to restrain the defendant and his servants from building on and otherwise obstructing a certain strip of land and for exercising any act of ownership thereover without the consent of a public meeting of the Ratepayers—that the defendant be ordered to surrender the said strip of land and that he may be ordered to remove any obstructions now on the land, and for further relief. The plaintiffs base their claim on Regulation VI of the Shanghai Land Regulations made and sanctioned in the year 1869. The defendant says that the Regulation in question does not apply to the strip of land the subject of this action,—that if it does the Council have not done all that they are bound to do in order to put it in force, and that they are putting it in force unfairly against the defendant. The short history of the case is that a Mr. Bollard acquired the land

of which the strip in question is a part from the native owner in October 1896 and registered it at the United States Consulate. In January or February 1897 the defendant purchased the land from Mr. Bollard and upon his attempting to build on it, the Council demanded the free surrender of the strip of land now in question. The defendant refused to surrender the strip except upon compensation being given and he built a wall on the land now claimed. Thereupon the Council commenced the present proceedings. Regulation VI of 1869 may be divided into two parts, the first dealing with the Settlement as it then existed, the second beginning at the words "on the admission by vote of public meeting" dealing with fresh land which it was thought might be brought within the limits of Municipal authority. We are only concerned with the first part and this part may be divided into three portions. The first portion consisting of the nine lines ending with the words "communication in the Settlement" is the main operative part of the Regulation. The second portion begins with the words "To this end" showing that it is intended to lay down the means by which the first portion is to be carried out and the consequences which shall follow. The third portion is a proviso that no act of appropriation other than those in the first two portions mentioned shall be deemed lawful. The words of the first portion which apply to the present case are: "Due provision shall be made for the extension of the lines of roads at present laid down as means of communication in the Settlement." If these words stood by themselves I should have had no hesitation in deciding that as the road now proposed to be made by the Municipal Council was proved in evidence not to be an extension of any line of road laid down in 1869 Regulation VI did not apply to it. The words are very plain; they refer to the extension of the lines of roads laid down in 1869. But in the second portion of this regulation occur the words "determine what new lines of road are necessary." These words in their ordinary sense are inconsistent with the words in the first portion and I have therefore endeavoured to give such a meaning to the word "extension" as would justify in their ordinary sense the words "new lines of roads." But I have been unable to do so. The meaning of "extension" according to the Dictionaries is a "stretching; expansion; dilatation; continuation or prolongation; enlargement in breadth or continuation in length." Plainly none of these meanings will help to justify the words "determine what new lines of road are necessary." In fact in order to make the two portions consistent, I must read the first as though it ran "due provision shall be made for the extension" and increase of the number of "the lines of road at present laid down." By no rule for the construction of statutes or any other written documents can such an interpolation be justified and I am brought face to face with this: that the words in the first and operative part of the Regulation are not to be reconciled with those in the second. I must choose which words I will give effect to. The second portion begins with the words "to this end" and is clearly therefore an explanation of the means by which that which precedes it shall be carried out.

It ought not therefore to enlarge the powers granted by the first portion. I am therefore of opinion that the true construction of the first part of Regulation VI is that it relates to the extension of lines of roads laid down in 1869 and to no others. Upon this ground I must dismiss the plaintiffs' petition with costs. That determines the case. Anything I might say with regard to the other objections of the defendant would have no effect but I think it right to say that no evidence whatever was given that the Council were putting this Regulation in force unfairly against the defendant; and with regard to the other objection that the Council have not done all that they are bound to do to put this Regulation in force I would point out to the Council, in order to make themselves safe, that they had better, whether it is necessary or not, follow the procedure which the Council of 1870 adopted and act accordingly.

*Drummond versus the Council.*—This action, the plaintiffs in which by substitution were EE CHUN TSUEN and LUK FOOK TSUEN, was based on a claim to certain lands on each side of the old Rifle Range under a title deed issued by the U.S. Consul-General. The Court of Consuls held that the Council's title thereto, which was of prior date, was valid, and dismissed the claim.

The Judgement was as follows :—

#### IN THE COURT OF CONSULS.

*The 18th day of January 1899.*

EE CHUN TSUEN AND LUK FOOK TSUEN

*v.*

#### THE MUNICIPAL COUNCIL.

The Court of Consuls of Shanghai in the case Ee Chun Tsuen and Luk Fook Tsuen *versus* The Municipal Council of Shanghai find that title-deed 760 for lot 767 British Consulate Shanghai covers the same ground as that described in the title-deeds to lots 708 and 714 U.S. Consulate Shanghai and that the aforesaid title-deed 760 British Consulate was issued prior to the issuance of title-deeds to the said lots 708 and 714 U.S. Consulate. Wherefore the said Court of Consuls denies all of the Petitions of the said Plaintiffs in the above-mentioned suit and orders that the said Plaintiffs shall pay all Court costs witness fees interpreters' and stenographers' fees incurred in the above-mentioned case.

In Witness whereof we have set our hands this eighteenth day of January 1899 at Shanghai, China.

(Signed)	JOHN GOODNOW, <i>Consul-General U.S.A., Shanghai.</i>
„	BYRON BRENNAN, <i>H.B.M. Acting Consul-General.</i>
„	DR. W. KNAPPE, <i>Consul-General for Germany.</i>

---

## WATER SUPPLY.

The supply of water for Municipal purposes has been satisfactorily provided under the existing agreement with the Waterworks Company, which will terminate on 30th June 1899.

The following is the Annual Return supplied by the Waterworks Company :—

MUNICIPAL WATER SUPPLY FOR WATERING ROADS AND ALL OTHER  
PURPOSES DURING THE YEAR 1898.

MONTHS.	Water used.		Watering Roads.		All other Purposes.
	Gallons.	Carts.	Gallons.	Gallons.	
January ... ..	3,074,440	3,779	793,590	2,280,850	
February... ..	2,714,130	4,377	919,170	1,794,960	
March ... ..	2,487,490	2,802	588,420	1,899,070	
April ... ..	4,233,200	10,510	2,207,100	2,026,100	
May ... ..	3,686,670	8,990	1,887,900	1,798,770	
June ... ..	6,304,470	17,917	3,762,570	2,541,900	
July ... ..	8,677,990	27,522	5,779,620	2,898,370	
August ... ..	7,256,980	20,211	4,244,310	3,012,670	
September ... ..	6,174,560	16,886	3,546,060	2,628,500	
October ... ..	5,930,610	11,644	2,445,240	3,485,370	
November ... ..	4,798,120	6,802	1,428,420	3,369,700	
December ... ..	3,917,080	6,661	1,398,810	2,518,270	
	59,255,740	138,101	29,001,210	30,254,530	
Watering Roads on 296 days, 138,101 carts ... 29,001,210 gallons.					
Police Stations, Abattoir, Markets and Latrines 12,718,000 "					
Electric Light Works ... .. 299,000 "					
Urinals and making Roads ... .. 11,169,000 "					
Used at Fires ... .. 5,127,680 "					
Steam Rollers and Washing Carts ... .. 628,550 "					
Disinfection ... .. 312,300 "					
59,255,740 gallons.					
Water paid for—					
Contract allowance ... Gallons 54,900,000 Tls. 10,980.00					
Excess used on certain days					
over contract allowance ... Gallons 12,846,798 " 2,569.36					
Total ... .. Tls. 13,549.36					

MUNICIPAL STAFF.

---

*Secretariat.*—News of the death of Mr. R. F. THORBURN, which took place on 17th September 1898, at Leith, N.B., was received with much regret by the members of Council, and directions have been given for the erection of a stained glass window to his memory in the Cathedral.

Mr. E. L. ALLEN has been appointed Assistant Overseer of Taxes. His transfer from the Engineer's Department has not taken place, pending the appointment of his successor in that office.

*Engineer and Surveyor's Department.*—Mr. C. H. GODFREY took up his duties as Assistant Engineer on the 14th March.

*Police.*—Mr. P. B. PATTISSON assumed charge of the Police force on the 14th February.

*Electrical Department.*—The engagement of Mr. J. P. NELSON, through the medium of the Chairman of the Institution of Electrical Engineers, London, as Superintendent, was effected, and Mr. NELSON arrived and commenced his duties on the 20th April, Mr. ROACH resuming duty as Assistant Superintendent.

*Sanitary Department.*—Dr. A. STANLEY was appointed Health Officer and took charge of this Department on the 21st March.

Mr. J. B. CAMERON resigned his position as Sanitary Inspector on the 1st December, and steps are being taken in England to fill the post, the duties whereof are being performed temporarily by Mr. D. JOHNSTONE, Assistant Sanitary Inspector. Mr. CAMERON was granted six months' pay as gratuity on resignation.

The following return shews the *personnel* of the Municipal Foreign Staff on 31st December 1898:—

## SECRETARIAT :—

J. O. P. Bland	<i>Secretary.</i>
W. E. Leveson	<i>Assistant Secretary.</i>
J. A. Pond	<i>Accountant.</i>
A. E. Jones	<i>Sub-Accountant.</i>

S. Reynell	<i>Assistant in charge, Dues Office.</i>
J. J. Coffey	<i>Assistant.</i>
A. Johnsford	<i>Overseer of Taxes.</i>
E. L. Allen	<i>Assistant Overseer of Taxes.</i>
E. J. Batty	<i>Inspector of Vehicles.</i>
G. Skinner	<i>Tax Collector.</i>
J. Gould	<i>do.</i>
G. W. Davies	<i>do.</i>
A. T. Ommundsen	<i>do.</i>
P. V. Murphy	<i>do.</i>
G. Crank	<i>do.</i>
A. Hemming	<i>do.</i>

## ENGINEER'S DEPARTMENT :—

C. Mayne	<i>Engineer and Surveyor.</i>
C. H. Godfrey	<i>Assistant Engineer and Surveyor.</i>
J. E. Denham	<i>Assistant.</i>
F. A. Sampson	<i>do.</i>
T. Moorehead	<i>do.</i>
J. Beckhoff	<i>Inspector of Works.</i>
W. Stuart	<i>Inspector of Roads.</i>
A. W. Pritchard	<i>Drainage Inspector.</i>
A. McKelvie	<i>Inspector of Machinery.</i>
J. Eitter	<i>Overseer.</i>
C. B. Quelch	<i>do.</i>
J. Thomas	<i>do.</i>
F. Loder	<i>do.</i>
C. E. Ayre	<i>do.</i>
W. Roberts	<i>do.</i>
F. Jovino	<i>do.</i>
H. Schultz	<i>Overseer Pingchiao Quarry.</i>
S. J. Carpenter	<i>Assistant Overseer Pingchiao Quarry.</i>

## HEALTH DEPARTMENT :—

A. Stanley, M.D., B.S., London, D.P.H.,	<i>Health Officer.</i>	
D. Johnstone	<i>Acting Sanitary Inspector.</i>	
T. Moran	<i>Assistant Sanitary Inspector.</i>	
J. Palliser	<i>do.</i>	<i>do.</i>
J. White	<i>do.</i>	<i>do.</i>
J. F. C. Macdonald	<i>do.</i>	<i>do.</i>
F. Stanley	<i>do.</i>	<i>do.</i>
T. Llewellyn	<i>do.</i>	<i>do.</i>
J. Christie	<i>Inspector of Dairies and Markets.</i>	
S. R. Gale	<i>Assistant Inspector of Dairies and Markets.</i>	
C. Champion	<i>do.</i>	<i>do.</i>

## ELECTRICAL DEPARTMENT :—

J. P. Nelson	<i>Superintendent.</i>
J. B. Roach	<i>Assistant Superintendent.</i>
M. Viloudaki	<i>Assistant.</i>
T. Veitch	<i>do.</i>

---

PINGCHIAO QUARRY.

---

Early in the year negotiations took place between the Council, kindly assisted by Mr. A. J. SUNDIUS, H.B.M.'s Acting Consul at Hangchow, and the local authorities at that port, with a view to the arrangement of a new lease of the quarry land at Pingchiao. These negotiations were satisfactorily concluded by the completion, on 28th July, of an agreement for 18 years, the text of which is given below. The Council's earlier lease of this property, terminable in March 1900, did not allow of the use of a sufficient area for blasting operations; it was moreover felt to be inadvisable to develop the quarry on a large scale until arrangements for future tenure could be made. It will be observed that the payment for this lease consists of concrete ware pipes and road material to be supplied to the Chinese authorities

in charge of the development of the Foreign Settlement at Hangchow, an arrangement which has been considered generally advantageous. The Council's thanks have been officially conveyed to Mr. A. J. SUNDIUS for the assistance rendered by him in his Consular capacity at Hangchow, and later to his successor, Mr. E. T. C. WERNER, for the arrangement of certain difficulties arising from the question of improving the water approaches to the Quarry.

The working of the Quarry during the year has been generally satisfactory [*vide* Engineer's Report], but the methods and cost of transport between Pingchiao and Shanghai still leave considerable room for improvement. Owing to the abnormally low state of the water in the creeks no satisfactory conclusions can at present be arrived at in regard to the results of the working of the cargo-boats built by the Council for this service.

In order that the working of the quarry may proceed henceforward under the most favourable conditions, steps are being taken to obtain from England the services of an expert quarry foreman who will be placed permanently in charge at Pingchiao.

THIS AGREEMENT made between the Hangchow "Foreign Affairs Bureau," represented by the Ti-t'iao Hsü Chen-li, and the Jenho District Magistrate, Hsiao Chih-hui (both acting under authority and in their official capacities) on the one part,—these being hereinafter described as the Lessors, and the Shanghai Municipal Council (hereinafter known as the Lessees) through its duly authorized agent, the Secretary to the Council, on the other part, WITNESSETH :

WHEREAS : The said Lessors do hereby agree to lease unto the said Lessees for and during a term of eighteen years, to be computed according to the British calendar from the date of this Agreement, all that area of land known as the Pingchiao Quarry, delineated and coloured pink in the plan hereunto annexed, which land is situated within the Jenho District aforesaid in the prefecture of Hangchow, with liberty unto the said Lessees to possess full and entire use and control of the said land for the purpose of quarrying, working, preparing, and carrying away stone, clay, and sand therefrom during the said term of eighteen years, the said Lessees do hereby and in consideration of the above, agree to perform the following, that is to say, to supply to the said Lessors free of cost Fifteen thousand tons of broken granite 2" and  $\frac{3}{4}$ " gauge,—in such quantities as may be required by the said Lessors, provided always that no quantity exceeding 500 tons of such granite shall be required to be delivered in any one working month ; also to supply to the said Lessors free of cost, the following articles :—



4,400	1' 6" × 1'	concrete drain pipes.
8,250	9"	" "
3,850	6"	" "
550		concrete Figure B gullies.
550		6" concrete bends.
550		concrete taper pipes, 6" to 4".
550	6" × 4"	concrete junctions.
220	1' 6" × 1' 6"	concrete junctions.
440	9" × 6"	concrete junctions.

making a total of 19,360 pieces of concrete ware, provided always that the said Lessees shall not be required to supply any quantity of such concrete ware exceeding in value a total amount of One thousand Shanghai taels in any one working month. It is further agreed that in regard to the above mentioned fifteen thousand tons of broken granite, delivery of the same shall be made to the Lessors at the quarry at Pingchiao; as to the concrete ware aforesaid, freight from Shanghai to Hangchow on the same shall be arranged and paid for by the Lessees whenever required, but the said Lessees shall not be responsible for any pipes damaged in transit; and it shall rest with the Lessors to send one of their employés, if they consider it advisable, to accompany each shipment. Both in regard to deliveries of granite and of concrete ware, reasonable notice of requirements, subject to above conditions, shall be given by the Lessors.

In consideration of the above, the following conditions are now severally and mutually agreed upon, *viz.* :—

1.—This Agreement shall come into force so soon as it shall have been signed and sealed by both contracting parties. On this Agreement being so signed and sealed the present agreement, dated 14th September 1896, shall come to an end.

2.—This Agreement when duly signed and sealed by the contracting parties, shall forthwith be referred to and sealed by the British Consular Representative at Hangchow, acting in his official capacity; and it is hereby agreed that in the event of any question or dispute arising hereafter in the carrying out of the terms of this agreement, such question or dispute shall be referred in the first instance to the said British Consular Representative for settlement in consultation with the Hangchow Customs Taotai or in his absence to the British Consul-General at Shanghai.

3.—The Lessors shall during the term of this Agreement render unto the Lessees, all reasonable and necessary assistance in the business of obtaining and removing stone, broken granite, clay and sand from the quarry, and they shall not permit any obstacles to be raised by

evil-disposed persons to the legitimate carrying out of the Lessees' work. The Lessors shall at all times upon the request of the Lessees, take steps to prevent any restrictions or hindrance to the free and convenient transport of stone and other materials to and from the quarry—and in the event of any blocking of the necessary waterways the Lessors shall remove and remedy the same without delay. None of the existing waterways may be closed to the Lessees' traffic and the Lessees shall have the right to remove obstructions to the same wheresoever necessary. Existing bridges and long established fishing rights shall not be disturbed.

4.—The Lessees undertake not to interfere with or damage in any way the persons, property, or business of the villagers and other residents in the neighbourhood of the quarry. In the event of any person suffering damage either in his person or property by the wilful or accidental act of any of the Lessees' employés, a claim for such damage shall be submitted in writing without delay by the Tipao of the district to the Overseer of the Quarry, by whom it will be referred, if necessary, to the Council at Shanghai. Should such claim be considered reasonable, it will be settled at once; but if the facts or the amount be in dispute the matter will be referred to the Lessors and thereafter if necessary to the British Consul, as above mentioned.

5.—The Lessees shall discontinue blasting operations at the Quarry for such period as may be considered necessary not exceeding 14 days every year during the silkworm-rearing season, from a date to be fixed by the Tipao in consultation with the Quarry Overseer.

6.—All possible arrangements for facilitating the proper working of the Quarry and for preserving good relations between the Council's employés and the local residents will be made by the Overseer of the Quarry. Whenever necessary and advisable, the Lessors shall send a Deputy to Pingchiao to enquire into local questions and shall from time to time issue such proclamations as may be expedient for the due performance of this Agreement. Should any employé of the Council be accused and proved to be guilty of any unlawful or improper conduct, he shall at once be removed by the Lessees and handed over to the local authorities for punishment: but should any persons bring malicious and unfounded accusations against any of the Council's servants, the Council shall apply to the Hangchow authorities to have him punished. Neither the Tipao nor any of the country people shall at any time be allowed to interfere in the management or working of the quarry, and should loafers and evil-disposed persons come within the limits of the area leased, the Overseer shall apply to the Tipao to have them removed forthwith; in the

event of the Tipao failing to do so, the Hangchow authorities will send a Deputy to attend to the matter.

7.—The Lessees will at all times endeavour to provide labour at the quarry for such villagers and others resident in the neighbourhood of Pingchiao as may desire the same but the employment of such local labour shall be entirely at the discretion of the Lessees and it shall be optional for the Lessees at any time to obtain elsewhere any number and any class of labourers that may be required for the efficient working of the quarry. The scale of wages payable for labour shall be decided by the Overseer of the Quarry.

In the event of any strike or other trouble being caused by local labourers the Lessors shall send a Deputy upon the request of the Lessees, to enquire into the matter and punish the offenders. All necessary protection to the Council's workpeople will be afforded by the Lessors.

8.—No person except the Council's servants shall at any time be permitted to come within the limits of the property reserved for the storage of coal and explosives: and all trespassers thereon will be punished by the local authorities.

9.—A proclamation, embodying the terms of the above Agreement, will be drawn up and exhibited at the Quarry.

10.—In the event of any dispute arising as to the meaning of any of the clauses of this Agreement the English text shall be held to be the correct version.

11.—The Lessors hereby grant to the Lessees the use free of charge of the pieces of land marked A adjoining the land already occupied by the Lessees. Should the Lessees hereafter find it necessary to make use of the pieces of land marked B on the plan, they agree to pay an annual rental of fifty taels to the Lessors. On the expiration of the term of eighteen years from the date of signature of this agreement the Council agrees to hand back the entire premises to the Lessors.

12.—The Lessees further agree to supply to the Lessors during the continuance of this agreement such further quantity of broken granite as may be required for public use, in connection with the Foreign Settlement at Hangchow and the metalled road leading therefrom to the city, such quantity not to exceed five hundred tons of broken stone in any one working month. Freight on such additional quantity to be paid by Lessors.

---

## SANITARY BOARD.

## SUMMARY OF PROCEEDINGS DURING THE YEAR 1898.

*Constitution of the Board.*—Mr. P. B. PATTISSON, *Captain-Superintendent of Police*, Dr. STANLEY, *Municipal Health Officer*, and Mr. H. E. KEYLOCK, *Municipal Veterinary Surgeon*, joined the Board during the year, the other members being Dr. NEIL MACLEOD (*Chairman*) and Messrs. J. S. FEARON, J. WELCH and C. MAYNE.

*Report and Recommendations.*—Reports were submitted and discussed and recommendations made to the Council on :—

*Clothes Washing Establishments.*—Messrs. WELCH, MAYNE and the Chairman inspected the Native Washing Establishments and a report was drawn up and published in the daily papers drawing public attention to the filthy surroundings in which the washing is done. The Board's recommendations have taken shape in a small tentative washing establishment built on Municipal land at the old Rifle Range at which washing is carried on under conditions approved by the Council.

*Native Dairies and the Milk Supply.*—The Board's recommendations in this direction are likely to bear fruit, the Health Officer reporting an improved milk supply. The Native Authorities are contributing their share in the improvements called for by punishing the dairymen failing to conform to the Council's Dairy Regulations.

*Rabies and the Establishment of a Pasteur Institute in Shanghai.*—The Board recommended this establishment with a view to its being almost, if not altogether, self-supporting.

Amongst other matters dealt with by the Board were the certification of meat confiscated as unfit for use ; the occurrence of Glanders in Livery Stables ; the Sanitary Condition of West Hongkew ; the Employment of Women and Children in Factories ; Plague Precautions in reference to plague huts, burial ground, disposal of dead bodies, etc.; the Municipal Laboratory in relation to private research ; the utilization of the Isolation Hospital for other than Cholera cases ; the Adulteration of Spirits, etc. etc.

A. E. JONES,

*Secretary,  
Sanitary Board.*

### EDUCATION GRANTS.

---

Some account of the finances and work of the four establishments in receipt of annual grants during the past year is given below for the information of the public :—

#### REPORT OF THE COMMITTEE OF THE THOMAS HANBURY SCHOOL AND CHILDREN'S HOME.

---

The Committee have much pleasure in laying their Annual Report, with Statement of Accounts appended, before the public.

Each year of the Institution's history has hitherto had its special features of interest. During the past year the most prominent points have been the arrival of Mr. and Mrs. Price from England to take charge of the Boys' School, and the return of Miss W. Gaskin to resume the post of Lady Superintendent of the Girls' School, which she had held with such signal success before. In both cases the Committee feel that they have every reason to congratulate themselves and the school. The number of pupils in the Girls' School has already increased considerably since Miss W. Gaskin's return, and there have been numerous additions to the Boys' Department also. The numbers now on the books are :—

Boys	...	Boarders	28	Day pupils	31	Total	59.
Girls	...	"	35	"	30	"	65.

The five or six elder boys who had been allowed to remain as boarders in the School, at a merely nominal rate, have now found other quarters, since their salaries enabled them to keep themselves elsewhere. Of the three girls who have gone into service, two are still in their places, giving every satisfaction ; the third, whose former employer had returned to England, has taken up work as assistant saleswoman in a book-store.

With regard to the rest of the Staff, since the last Report was issued, the Committee have lost the help of Mrs. Tennant, who for rather more than three years very ably and faithfully discharged the duties of Matron in the Girls' School, but whose health compelled her to retire. Miss Mesny and Miss Cooper have also left the Girls' School, in which they had done good and useful work as Assistant teachers, the former for seven years, the latter for four. A younger sister of Miss Cooper has now taken her place as resident assistant teacher, and Miss Alice Mesny also assisted for a short period in the Autumn. Feeling the imperative necessity of providing more efficient help for Miss W. Gaskin, the Committee have engaged the services of a highly qualified and properly trained teacher, Miss Stephens, who

is now on her way out from home, and on her arrival will take the place of Head Teacher, setting Miss Gaskin free for the General Superintendence, correspondence, etc.

In the Boys' School Mr. Price has only the assistance of Miss E. Page, who takes the Infant class, but it is very necessary, with the increased number of boys, that there should be another assistant teacher, and the Committee hope soon to provide Mr. Price with the required help. Mrs. Price, in spite of a good deal of ill-health during the summer, has taken up all the domestic work of the Boys' School, looking after all household requirements, including the clothing, no small item for such a party.

During the summer the walls of the front hall and staircases were colour-washed, thereby much improving the appearance of the house, and the new dining-rooms have also been embellished with a coat of paint. Improvements of this kind, and constant small repairs incidental to the keeping up of a large establishment, make demands on the funds of the Institution, and other extra-expenses during the past year have been particularly heavy. It can be therefore no matter of surprise that a serious deficit is evident in the Financial Statement, due only to these extraordinary expenses, as the ordinary working expenses show a surplus of about \$600. The Treasurer said in a recent note on the Finances:—"At the end of the year I reckon that the School will owe about \$2,020; this arises from the fact that all our Endowment has been invested and that we have spent \$1,796 in extraordinary expenses—passages and telegrams chiefly." The Committee have to meet this serious debt somehow or other. Mrs. Alford has most kindly undertaken to get up a theatrical entertainment to be given in January, which will no doubt draw largely, and will bring a considerable sum to our impoverished exchequer, but more than can be hoped for by this means will be needed to wipe out the debt, and the Committee earnestly and confidently appeal to the Public, who have always hitherto yielded them such generous and sympathetic support, to enable them to free the School from its burden of debt. The Institution is now in a better position than ever before to carry out its important work, with largely increased accommodation and an excellent staff of highly trained and thoroughly interested teachers. It would be an infinite pity if its good work should be retarded by insufficient means or hampered by a load of debt. "Hitherto has the Lord helped us"—the Committee can most reverently and gratefully say, looking back to the day of their earliest efforts; and it is with the full belief that such help will still be vouchsafed them that they appeal to those whom the Lord has blessed with means to give, as they have always done before, cheerfully and generously, for this worthy object.

The sincere thanks of the Committee are once more very cordially offered to all those who have shown kindness to the children in both schools, either by sending gifts of clothing, books or food for their use, or in providing treats or

happy parties of various descriptions, and at all seasons of the year. A larger amount of pleasure has been given in this way than perhaps the donors would believe possible.

December 31st, 1898.

C. THORNE,  
*President.*

#### FRENCH ORPHANAGE.

Shanghai, 13 Janvier 1899.

MONSIEUR,—J'ai l'honneur de vous adresser sous ce pli le compte des dépenses et des recettes à l'Orphelinat de la Providence pendant l'année 1898, et je profite de cette occasion pour offrir au Conseil Municipal mes sentiments de reconnaissance pour le secours qu'il veut bien allouer chaque année en faveur de cette œuvre.

Veuillez agréer, Monsieur, l'expression de ma parfaite considération.

M. DE ST. PHILOMENE,  
*Sup. S.A.*

Monsieur le Secrétaire du  
Conseil Municipal Anglais.

#### *Dépenses.*

102 enfants pauvres et orphelines à \$10 par mois ... \$12,240.00

#### *Revenus.*

Allocation Municipalité Anglaise Tls. 1,000 ... 1,344.10

” ” Française ” 1,000 ... 1,344.10

Ouvroir de la Providence ... 689.30

Pensions d'enfants pauvres ... 600.00

Aumônes faites à l'Orphelinat ... 700.00

\$4,677.50

#### REPORT OF THE PUBLIC SCHOOL COMMITTEE.

In April last Mr. E. A. HEWETT joined the Committee as the representative of the Municipal Council, otherwise there has been no change in the membership. The Committee, under the chairmanship of Rev. Dr. HYKES, has met monthly, except during the summer vacation, and at other times as occasion has arisen.

The Committee were gratified to receive from the Ratepayers, in addition to the annual grant of Tls. 4,000, the special grant of Tls. 3,500 referred to in their last report, towards the cost of engaging an extra assistant from abroad, and for providing some better furniture and educational appliances. It was thought advisable to send to America for the teacher, and the Committee put themselves in communication with Dr. LYTE, Principal of the First State Normal School of Pennsylvania, but owing to various causes a suitable man was

not forthcoming. Through the good offices of Prof. LYMAN, of the Chinese Polytechnic, Mr. ROSCOE A. GOODCELL, of the University of California, has been engaged and is due here on the 10th prox. This gentleman comes with the highest recommendations, and the Committee believe that the addition to the teaching staff will be productive of much good.

The School continues under the efficient management of Mr. LANNING. The staff has been augmented by the engagement of Misses SILVERTHORNE, PEARSON and JOHNS; Misses CONNIE SHARPLES and GOODFELLOW resigned during the year, to the regret of the Committee.

The question of granting long leave to teachers engaged from home occupied the Committee's attention in the early part of the year, and, after consultation with the teachers interested, the following minute was passed—the Committee taking into account the fact that ~~two~~ months' holiday is granted every summer. "After 6 years' service, and on its being mutually agreed to renew the Agreement for a further period of 3 years, the Teacher to have the option of 6 months' leave on full pay or 9 months' leave on half pay. The 2 months' summer vacation to be included in either term, but not so as to entitle the Teacher to 2 months' full pay if the leave is for 9 months. On the return passage being taken, a sum of £45 will be paid."

The Committee hope to make some arrangement with a lady, recently arrived from England, who has had a varied experience in High School teaching, to conduct an advanced class for Girls who, having passed the Sixth Form, would otherwise leave the School. The Committee trust that this endeavour to improve the educational facilities will receive the support of the parents and guardians.

It having been found that the available text-books for teaching beginners Chinese in the Mandarin dialect were hardly suitable for the School requirements, the Headmaster, in conjunction with Mr. CHANG, the Chinese teacher, took the matter in hand and have made good progress in the compilation of a simple text-book which Messrs. Kelly & Walsh, Ltd., have agreed to publish. The earlier portions are already in use at the School.

The Committee have added the teaching of typewriting to the School curriculum. The Committee would be glad to see more children taking languages.

The working account for the past year shews a balance at credit of Tls. 818.80. The debit balance at the end of 1897 has been passed to the Special Grant Account. Out of this account Tls. 241.63 has been expended on new furniture, etc., and the equivalent of Tls. 340.26 remitted for Mr. GOODCELL's passage money. An order has been placed locally for desks to the extent of Tls. 700.

The amount of arrears outstanding from month to month has given the Committee much anxiety, and they have considered it necessary to decide from the beginning of the new year to strictly enforce the payment of fees during the



month they are incurred, otherwise to refuse admission the following month. It is to be hoped that the parents and guardians will heartily support the Committee in this matter.

With the advent of the new master expenses will be considerably enhanced, and if the fees are to be kept at the present low figure it is absolutely necessary that the attendance be proportionately increased, and the Committee look to the ratepayers and others to make known as widely as possible the advantages of their own Public School.

Owing to the impossibility of engaging the Astor Hall for the Distribution of Prizes and Scholarships, the Annual Entertainment was held in the Lyceum Theatre on Thursday, 22nd instant. The Committee are much obliged to Mrs. HYKES for so kindly making the presentations. Some of the children, under the direction of Mrs. PETERSEN, performed an Operetta very creditably, which was witnessed with much enjoyment by the large audience present.

It is once more the Committee's pleasant duty to publicly thank the various Masonic bodies and others for their support to the Prize Fund :—

- 1.—The Trustees of the "Zion Chapter" Scholarship.
- 2.—The St. Andrew's Society for their valuable bursaries of \$100 and \$50.
- 3.—The Trustees of the "Colin Jamieson" Memorial Prize.
- 4.—The Ancient Landmark Lodge.
- 5.—C. THORNE, Esq., for the "Thorne" Scholarship.
- 6.—F. M. GRATTON, Esq., for the "Science and Art" Medal.
- 7.—The Royal Sussex Lodge, No. 501 E.C.
- 8.—The Tuscan Lodge, No. 1027 E.C.
- 9.—The Northern Lodge of China, No. 572 E.C.
- 10.—The Cosmopolitan Lodge, No. 421 S.C.
- 11.—The Royal Order of Scotland.
- 12.—The Rising Sun R.A. Chapter.
- 13.—The Keystone R.A. Chapter.
- 14.—The District Grand Lodge.
- 15.—The Lodge of Assiduity.
- 16.—A. W. Danforth, Esq., Prizes for Shorthand.
- 17.—R. W. Astill, Esq., for the "Yangtze" Prizes.
- 18.—L. Van der Stegen, Esq., for once more presenting Prizes for French.
- 19.—H. W. Gye, Esq., for the presentation of Justin McCarthy's *History of our Own Times*—4 vols.—as a History Prize.

L. A. Lyall, Esq., has kindly officiated as Examiner in Chinese for the "Colin Jamieson" Memorial Prize this year.

The Committee would draw the attention of all interested in the School to the Head Master's report attached hereto.

JOHN STENHOUSE,

*Hon. Secretary.*

JOHN R. HYKES,

*Chairman.*

SHANGHAI, 31st December 1898.

## ST. XAVIER'S SCHOOL.

Shanghai, 26th December 1898.

DEAR SIR,—I have the honour to submit, herewith, to the Members of the Municipal Council and the Ratepayers, the financial statement regarding the orphans and poor day pupils who have been attending St. Xavier's School during the year 1898. It is as follows :—

*Expenditure.*

By 37 Orphans at \$12.00 per month ... ..	\$5,328.00
„ 90 Poor day pupils at \$2.00 per month (10 months) .....	1,800.00
Total ...	<u>\$7,128.00</u>

*Income.*

To Municipal Council Grant, Tls. 1,500 ... ..	\$2,030.00
„ St. Vincent de Paul's Society ... ..	300.00
„ Orphans and poor day pupils ... ..	300.00
Total ...	<u>\$2,630.00</u>

I take this opportunity to convey to the Members of the Municipal Council and to the Ratepayers the most sincere gratitude of the Brothers for their generosity towards the orphans and poor day pupils of the School.

I remain, Dear Sir,

The Secretary of the

Yours respectfully,

Municipal Council, Shanghai.

BROTHER ANTONIN.

FINANCIAL STATEMENT.

---

REVENUE AND EXPENDITURE

FROM

1ST JANUARY TO 31ST DECEMBER 1898.

## FINANCIAL

1st January to

## ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<b>HOUSE AND LAND TAX AND DUES.</b>			
<i>Land Tax:</i>			
5/10ths of 1 per cent on assessed value from Owners and Renters of land situated within the limits of the Foreign Settlement ... ..	...	...	140,291.37
<i>General Municipal Rate—Foreign:</i>			
10 per cent on assessed rentals of foreign houses ... ..	...	...	94,071.57
<i>General Municipal Rate—Native:</i>			
10 per cent on assessed rentals of Chinese houses ... ..	...	...	239,735.33
<i>Dues on Merchandize:</i>			
From the public, 1st November to 31st December 1897, and from 1st January to 31st October 1898...	...	59,470.75	
Contribution from H.E. the Taotai \$14,000 ... ..	...	10,430.00	69,900.75
<b>LICENSE FEES.</b>			
<i>Foreign:</i>			
Wine and spirit retailers ... ..	...	1,029.11	
<i>Foreign and Native:</i>			
Billiard and bowling saloons ... ..	182.52		
Theatre and concert ... ..	2,029.96		
Livery-stable-keepers ... ..	22,034.83		
Cargo-boats ... ..	9,303.02		
Butchers' shops ... ..	2,020.68		
Carts ... ..	6,032.26		
Steam-launches and ferry-boats ... ..	1,299.20		
		42,852.47	
<i>Carried forward</i> ... ..	...	43,881.58	543,999.02

# STATEMENT.

31st December 1898.

## ORDINARY EXPENDITURE.

	Tls.	cts.	Tls.	cts.	Tls.	cts.
<b>POLICE FORCE.</b>						
<i>Pay :</i>						
Foreigners, Sikhs and Natives (exclusive of Carter Road Station, and pay of Constables guarding prisoners) ... ..	112,370.78					
<i>Deduct</i> for men employed on special duty ... ..	1,087.78					
			111,283.00			
Native writers, Interpreters and Shroffs ... ..	...		3,028.44			
Native Storekeeper, messengers, coolies, punkah coolies (exclusive of Carter Road Station) ...	...		1,336.00			
			115,647.44			
<i>Passages :</i>						
Passages of Constables from Dublin, and time-expired and invalided men ... ..	5,301.26					
Passage of Captain-Superintendent	639.18					
			5,940.44			
Compensation allowance to Captain Mackenzie ... ..	...		1,500.00			
<i>Bonus :</i>						
Bonus and gratuities to time-expired and invalided men ... ..	...		4,089.26			
<i>Medical Aid :</i>						
Medicines ... ..	889.29					
Hospital charges ... ..	1,330.97					
			2,220.26			
<i>Insurance :</i>						
On all Police Stations (exclusive of Carter Road Station) ... ..	...		348.14			
<i>Clothing :</i>						
For the whole Force (exclusive of Carter Road Station) ... ..	...		20,866.49			
<i>Gaol Expenses :</i>						
Pay of Constables guarding prisoners	2,036.00					
Food, clothing, etc. and passages of deported prisoners ... ..	4,704.30					
			6,740.30			
<i>Carried forward</i> ...	...		157,352.33			

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	.....	43,881.58	543,999.02
<b>LICENSE FEES—<i>continued.</i></b>			
<i>Native :</i>			
Retailers of foreign liquors... ..	2,245.04		
Water-carts ... ..	222.06		
Sampana ... ..	1,694.38		
Pawn-shops ... ..	7,879.79		
Opium-shops ... ..	50,324.78		
Wheel-barrows ... ..	26,716.36		
Wine-shops ... ..	5,026.52		
Jinrikshas ... ..	57,410.17		
Tea-shops ... ..	4,756.79		
		156,275.89	
			200,157.47
Slaughter-house fees ... ..	...	...	1,790.33
Cattle-shed fees ... ..	...	...	7,323.23
<i>Carried forward</i> ...	...	...	753,270.05

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	157,352.33	
<b>POLICE FORCE—<i>continued.</i></b>			
<i>Incidental Expenses:</i>			
Printing, stationery, newspapers, advertising ... ..	2,217.57		
Fuel and light ... ..	8,260.16		
Chinese Government ground-tax ...	48.89		
Subscription to telephone, repairs to bells, etc. ... ..	140.54		
Coolies employed catching stray dogs ... ..	970.69		
Coolie and sampan hire for carrying sick and drunken men ...	777.72		
Coffee and sugar for constables on night duty ... ..	140.65		
Disinfectants, sunblinds, punkahs	410.76		
Rent of houses for married Sergeants	500.00		
Pew-rents, ice and miscellaneous charges ... ..	2,080.13		
		15,547.11	
<i>Stud</i> —Ponies for Captain-Superin- tendent, Deputy Superinten- dent, Chief Inspector and for patrolling the streets of the Settlement and the Bubbling Well Road ... ..	...	2,296.06	
		175,195.50	
<i>Deduct</i> —Fines received from the Mixed Court and sale of coir matting made by prisoners ...	...	9,678.45	
<i>Carried forward</i> ...	...	165,517.05	

### ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	753,270.05
<i>Carried forward</i> ...	...	...	753,270.05



FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	165,517.05	
<b>CARTER ROAD STATION.</b>			
Pay ... ..	6,280.76		
Clothing ... ..	1,500.00		
Water supply, fuel and light ... ..	700.18		
Fire Insurance, sunshades, medicines and miscellaneous charges ... ..	197.81		
	8,678.75		
<i>Deduct</i> —Collected from Residents on Bubbling Well and adjacent Roads	3,633.48		
		5,045.27	
		170,562.32	
<i>Deferred Pay</i> —Amount paid to Fund at Hongkong & Shanghai Bank ...	...	11,820.00	
			182,382.32
<b>RELIEF OF POOR.</b>			
Amount disbursed during the year ...	...	...	173.78
<b>SANITARY.</b>			
<b>FOREIGN AND NATIVE HOSPITALS.</b>			
General Hospital—Grant for the year ...	2,000.00		
Hospitals for Chinese—Grant for the year ... ..	1,000.00		
		3,000.00	
<i>Isolation Hospital and Plague Stations :</i>			
Pay, Native Staff ... ..	716.08		
Blankets and clothing ... ..	100.53		
Lighting ... ..	56.35		
Government ground-tax ... ..	57.77		
Telephone installation ... ..	20.00		
Fire Insurance ... ..	40.00		
Furniture ... ..	39.97		
Miscellaneous charges ... ..	68.27		
		1,078.97	
<i>Carried forward</i> ...	...	4,078.97	182,556.10



FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	4,078.97	182,556.10
 <b>SANITARY—<i>continued.</i></b>			
<i>Foochow Road Hospital:</i>			
Pay of Surgeon ... ..	600.00		
Wages of inspector, nurse, watch- man, coolie ... ..	375.23		
Government ground-tax ... ..	4.66		
Food and washing ... ..	478.68		
Fire Insurance on building and contents ... ..	34.98		
Fuel and light ... ..	166.57		
Medicines ... ..	66.53		
Repairs to building ... ..	120.28		
Stationery ... ..	12.88		
Miscellaneous charges ... ..	14.87		
	1,874.68		
<i>Deduct</i> —Fees collected 1,384.39			
<i>Less</i> paid to the French Municipal Council 692.19			
692.20			
Proportion of working ex- penses paid by French Municipal Council ... 638.26			
	1,330.46		
		544.22	
<i>Medical:</i>			4,623.19
Pay, Officer of Health (including allowance for rent) ... ..	5,785.99		
<i>Less</i> —Transferred to Foochow Road Hospital ... ..	600.00		
<i>Carried forward</i> ...	5,185.99	...	187,179.29

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls.   cts.	Tls.   cts.	Tls.   cts.
<i>Brought forward ...</i>	...	...	753,270.05
<i>Carried forward ...</i>	...	...	753,270.05

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	5,185.99	...	187,179.29
<b>SANITARY—<i>continued.</i></b>			
<i>Medical—cont. :</i>			
Pay, Municipal Surgeons ... ..	1,466.66		
„ Secretary, Sanitary Board ... ..	80.00		
„ Veterinary Surgeons ... ..	1,125.00		
„ Constables collecting returns of Native death-rate ... ..	366.86		
„ Native Assistants for Vaccinat- ing Chinese ... ..	70.00		
„ Native Staff at Laboratory ... ..	351.12		
Passage and expenses of Health Officer from London ... ..	942.19		
Surgical instruments, chemicals, medicines ... ..	446.12		
Cost of calves and fodder ... ..	138.37		
Printing, stationery, medical works	255.26		
Fuel and light ... ..	273.09		
<i>Pasteur Laboratory :</i>			
Instruments ... ..	247.56		
Expenses of Health Officer in Japan ... ..	246.36		
Pay of Doctor during Health Officer's ab- sence ... ..	704.00		
	1,197.92		
Miscellaneous charges ... ..	293.16		
<i>Stud</i> —Hire of pony for Officer of Health ... ..	234.62		
	12,426.36		
<i>Deduct</i> —Fees for Bills of Health, analyses, and sale of vaccine lymph ... ..	1,074.31		
		11,352.05	
<i>Carried forward ...</i>	...	11,352.05	187,179.29

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls.	cts.	Tls.	cts.	Tls.	cts.
<i>Brought forward ...</i>	...		...		753,270.05	
<i>Carried forward ...</i>	...		...		753,270.05	

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	11,352.05	187,179.29
 <b>SANITARY—<i>continued.</i></b>			
<i>Nursing Home :</i>			
Pay of Nurses ... ..	2,701.96		
Rent ... ..	720.00		
Mess expenses, servants' wages, water, fuel and light ... ..	1,068.84		
Uniforms ... ..	63.73		
Taxes, repairs to building, sta- tionery and miscellaneous charges ... ..	94.32		
	4,648.85		
<i>Deduct</i> —Fees for services of Nurses ... ..	1,745.90		
		2,902.95	
			14,255.00
<i>Nuisance :</i>			
Pay, Sanitary Inspector (11 months) including allowance for rent, fuel and light ... ..	3,025.00		
„ Assistant Sanitary Inspector ...	1,485.00		
„ Assistants ... ..	8,097.49		
„ Native writer ... ..	456.00		
„ Native Storekeeper ... ..	180.00		
„ Office boy ... ..	71.46		
„ Gratuities to Sanitary Inspec- tor, and invalided Assistant	1,995.00		
		15,309.95	
Removing night-soil and garbage and sweeping roads ... ..	30,036.46		
<i>Deduct</i> —For sale of night- soil ... ..	7,169.87		
	22,866.59		
<i>Carried forward ...</i>	22,866.59	15,309.95	201,434.29





FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	22,866.59	15,309.95	201,434.29
<b>SANITARY—<i>continued.</i></b>			
<i>Nuisance—cont. :</i>			
Scavengers cleaning gullies and removing sand from side channels ... ..	2,269.40		
Watering roads (the Bubbling Well Road included) ... ..	3,471.18		
Disinfectants ... ..	1,410.24		
Uniforms, boots and rain-coats for Assistants ... ..	1,086.20		
Medicines and Hospital expenses...	68.24		
Removing mud from garbage-yard	245.35		
Stationery and newspapers ... ..	254.34		
Fuel and light ... ..	37.54		
Jinriksha hire, brooms, baskets, taxes and miscellaneous charges	1,099.87		
		32,808.95	
<i>Stud</i> —Contract for supply of ponies, cost of leather washers and cart-grease ... ..	...	13,571.69	
		61,690.59	
<i>Latrines :</i>			
Rent, gas, labour, insurance, disinfectants ... ..	...	1,649.37	
			63,339.96
<i>Markets (Hongkew and Lloyd Road) :</i>			
Pay of Inspector (Markets, Cattle-sheds, Slaughter - house and Dairies) ... ..	1,800.00		
<i>Carried forward ...</i>	1,800.00	...	264,774.25



FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	1,800.00	...	264,774.25
<b>SANITARY—<i>continued.</i></b>			
<i>Markets (Hongkew and Lloyd Road)—</i>			
<i>cont. :</i>			
Pay of Assistant Inspector ...	1,500.00		
„ Native Staff ...	518.20		
Loss in purchase of cattle during			
Butchers' strike ...	189.13		
Miscellaneous charges ...	39.63		
		4,046.96	
<i>Slaughter-house :</i>			
Pay of Native staff ...	794.90		
Fuel and light ...	617.25		
Removing litter and cost of brooms,			
baskets and straw ...	204.81		
Disinfectants, fire insurance and			
miscellaneous charges ...	231.31		
		1,848.27	
<i>Cattle Sheds :</i>			
Pay of Native staff ...	536.04		
Removing litter, fire insurance, dis-			
infectants, and miscellaneous			
charges ...	313.89		
		849.93	
<i>Stud—Contract for ponies for</i>			
Inspector ...	...	362.88	
			7,108.04
<b>WATER SUPPLY.</b>			
Contract for supply of water for Muni-			
cipal purposes ...	...	13,480.56	
<i>Deduct—Amount charged to slaughter-</i>			
men for water used at			
slaughter-house ...	...	403.39	
			13,086.17
<i>Carried forward</i> ...	...	...	284,968.46

## FINANCIAL STATEMENT—continued.

### ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	753,270.05
<i>Carried forward</i> ...	...	...	753,270.05

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	...	284,968.46
<b>LIGHTING.</b>			
Gas, for a portion of the Settlement and a portion of the Bubbling Well Road	...	12,057.71	
Electric Light, for a portion of the Settlement and a portion of the Bubbling Well Road ...	...	34,229.50	
Oil and lamps for lighting West Hong-kew District ...	...	511.32	
			46,798.53
<b>TELEPHONE LINES.</b>			
Maintenance of all lines by contract ...	...	...	1,834.09
<b>ENGINEER AND SURVEYOR'S OFFICE.</b>			
<i>Pay—Foreign Staff:</i>			
Engineer and Surveyor (including allowance for fuel and light) ...	6,840.00		
Late Assistant Engineer and Surveyor (2 months) 450.00			
Gratuity ...	3,375.00		
	3,825.00		
Assistant Engineer and Surveyor ...	2,794.35		
4 Assistants and temporary assistant	6,255.82		
Inspector of works, drainage inspector and 5 overseers ...	9,275.60		
Engineer in charge of machinery ...	720.00		
Gratuity to invalided overseer ...	840.00		
		31,150.77	
<i>Carried forward ...</i>	...	31,150.77	333,601.08

## FINANCIAL STATEMENT—continued.

## ORDINARY REVENUE.

	Tls.	cts.	Tls.	cts.	Tls.	cts.
<i>Brought forward</i> ...	...	...	...	...	753,	270.05
<i>Carried forward</i> ...	...	...	...	...	753,	270.05

## FINANCIAL STATEMENT—continued.

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	31,150.77	333,601.08
<b>ENGINEER AND SURVEYOR'S OFFICE—continued.</b>			
<i>Pay—Native Staff:</i>			
Office Writers ... ..	514.66		
Tracers . . . . .	346.10		
Office boy and messengers ... ..	334.18		
		1,194.94	
Passages of Assistant Engineer and Surveyor and overseer from London ... ..	1,046.35	32,345.71	
Boots, Hospital charges and medicines for overseers ... ..	202.15		
Fuel and light ... ..	362.31		
Printing, stationery, newspapers, drawing materials and office necessities ... ..	1,276.15		
Jinriksha hire for assistants and overseers	668.17		
Gratuities to widows of deceased foreman	32.30		
Miscellaneous charges ... ..	762.13	4,349.56	
<i>Stud—Contract for supply of ponies</i> ...	...	558.02	37,253.29
<b>PUBLIC WORKS.</b>			
<i>Bridges:</i>			
General repairs ... ..	...	7,545.31	
<i>Buildings:</i>			
Repairs, Municipal buildings ... ..	3,288.20		
Repairs, Police Stations ... ..	4,967.80		
„ Slaughter-house, Cattle-sheds and Markets ... ..	936.13		
Repairs, Public School ... ..	300.69		
„ Depôts ... ..	739.34		
„ Isolation Hospital, plague and fumigation stations ... ..	938.38		
Repairs, Tool-house, vaccine station, etc. ... ..	291.28	11,461.82	
<i>Carried forward</i> ...	...	19,007.13	370,854.37

## ORDINARY REVENUE.

<i>Carried forward</i> ...	...	...	753,270.05
----------------------------	-----	-----	------------



FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	19,007.13	370,854.37
<b>PUBLIC WORKS—<i>continued.</i></b>			
<i>Creeks:</i>			
Cost of working steam dredger and dredging creeks ... ..	1,000.47		
Marine insurance on steam dredger	200.00		
		1,200.47	
<i>Drainage:</i>			
Iron gully and manhole covers ...	2,357.21		
Subsidiary drains, cleaning and repairing drains, and renewing street gullies ... ..	7,665.08		
	10,022.29		
<i>Deduct</i> —Balance of Account for constructing drains in private properties ... 526.48			
Fees for permits to open roads, etc. ... ..1,013.12			
	1,539.60		
		8,482.69	
<i>Latrines and Urinals:</i>			
Constructing and repairing ...	...	1,816.44	
<i>Landing-stages:</i>			
General repairs ... ..	917.84		
Dredging under pontoons ... ..	424.66		
		1,342.50	
<i>Bunding:</i>			
Repairs ... ..	...	601.81	
<i>Carried forward,</i> ...	...	32,451.04	370,854.37

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls.   cts.	Tls.   cts.	Tls.   cts.
<i>Brought forward</i> ...	...	...	753,270.05
<i>Carried forward</i> ...	...	...	753,270.05

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	32,451.04	370,854.37
<b>PUBLIC WORKS—<i>continued.</i></b>			
<i>Roads:</i>			
Granite chips, sand and broken bricks ...	46,356.25		
Curbs and channels, laying and repairing ...	2,677.78		
Chip pavements, laying and repairing ...	8,545.28		
Street pavements, laying and repairing ...	7,434.96		
Labour repairing roads ...	19,769.78		
Hongkew Boundary: Rent of land for boundary stones ...	108.60		
Keeping Council's compound in order	107.29		
Repairing hydrants ...	81.39		
Enlarging kennel for stray dogs ...	139.07		
Bund foreshore: general up-keep: painting stanchions, chains and seats ...	1,241.06		
Bund foreshore: Pruning and planting trees ...	189.24		
Working expenses of steam road-rollers and traction engine ...	1,677.07		
Working expenses of steam stone-breaker ...	1,593.07		
Boundary stones ...	544.49		
Street name-plates ...	77.96		
Chinese Government ground-tax on public roads ...	55.17		
Oil for watchmen, and cost of street barriers ...	449.19		
Brooms, rope, and miscellaneous charges ...	594.07		
Rent of chip-yard ...	1,500.00		
Yangtze-poo Road: Bricking, metalling, paving, curbing, channeling and mud-filling a portion of the road ...	9,442.73		
		102,584.45	
<i>Stud</i> —Contract for supply of ponies, and cost of cart-grease and leather washers ...	...	4,259.60	
			139,295.09
<i>Inspection of Boilers</i> —Pay of Inspector ...	...	...	480.00
<i>Carried forward</i> ...	...	...	510,629.46



FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	510,629.46
<b>OUTSIDE ROADS.</b>			
Maintenance and repairs, and cost of removing garbage ... ..	...	11,293.55	
Pay of overseer ... ..	...	205.76	
Repairs to drains, culverts and bridges...	...	404.69	
Chinese Government ground-tax ...	...	292.11	
Metalling riding track, Bubbling Well Road, from the Country Club to the Well ... ..	...	4,935.94	
Jinriksha hire and miscellaneous charges	...	72.94	
Jessfield Road widening: miscellaneous charges ... ..	...	101.33	
			17,306.32
<b>PUBLIC RECREATION GROUND</b>			
<i>(Interior of Race Course).</i>			
Wages of watchmen, gardeners and coolies and general up-keep of ground ...	...	3,676.57	
Rent, 1 year to 30th November ...	...	600.00	
Drainage ... ..	...	278.52	
Mat-sheds ... ..	...	229.40	
Urinal ... ..	...	531.58	
Seats ... ..	...	36.62	
Advertising ... ..	...	17.57	
			5,370.26
<b>PUBLIC PARK, HONGKEW.</b>			
Constructing drains ... ..	...	671.57	
Erecting fence ... ..	...	1,144.89	
Laying turf, weeding and cutting grass	...	1,242.10	
Erecting arbours ... ..	...	260.00	
Making paths ... ..	...	278.15	
Consular and native fees adjusting title-deeds ... ..	...	127.01	
Watchmen ... ..	...	74.33	
Government ground-tax, seats and notice boards ... ..	...	75.67	
			3,873.72
<i>Carried forward</i> ...	...	...	537,179.76

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	...	753,270.05.
<i>Carried forward ...</i>	...	...	753,270.05

## FINANCIAL STATEMENT—continued.

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	537,179.76
<b>PUBLIC GARDENS.</b>			
<b>OLD GARDEN.</b>			
Maintenance of garden ...	852.27		
Repairs to paths and drains ...	461.33		
Making and repairing seats ...	296.03		
Cost of seeds and tools ...	63.74		
Repairs to conservatories, painting iron railings, gates, lodges, etc. ...	667.33		
Repairs to fountain, latrine, etc. ...	53.62		
Sun-blinds ...	10.29		
		2,404.61	
<b>NEW GARDEN.</b>			
Maintenance of garden ...	158.92		
Painting railings, lodge, etc. ...	98.00		
Seats ...	11.04		
		267.96	
Annual allowance for care of gardens ...	...	500.00	
			3,172.57
<b>CEMETERIES.</b>			
(Exclusive of New Cemetery, Bubbling Well Road).			
Pay of Sexton for all Cemeteries and allowance for chair coolies ..	258.39		
Pay of Gardeners for care of all Cemeteries and Cathedral compound ...	1,206.92		
Chinese Government ground-tax ...	120.83		
<i>Carried forward</i> ...	1,586.14	...	540,352.33

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	...	753,270.05
<i>Carried forward ...</i>	...	...	753,270.05



FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	1,586.14	...	540,352.33
<b>CEMETERIES—<i>continued.</i></b>			
Repairs to paths ... ..	275.86		
„ „ buildings, fences, etc. ...	329.06		
Watchman, Chinese Cemeteries and repairs to fences ... ..	179.57		
	2,370.63		
<i>Deduct—</i>			
Fees for 50 vaults and 60 grave-spaces	635.00	1,735.63	
<i>Bubbling Well Road Cemetery :</i>			
Pay of watchmen ... ..	91.77		
Cutting and weeding grass, rolling paths, etc. ... ..	738.18		
Chinese Government ground-tax ...	220.62		
Seats for the Crematorium and Cemetery ... ..	309.80		
Fire insurance ... ..	45.00		
Plans, title deeds, grave-space numbers, etc. ... ..	89.55		
Trees ... ..	177.36		
Bell ... ..	83.70		
Repairs to Crematory ... ..	117.49		
	1,873.47		
<i>Deduct—</i>			
Fees for cremations ... ..	75.00	1,798.47	
			3,534.10
<i>Carried forward</i> ...	...	...	543,886.43

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls.	cts.	Tls.	cts.	Tls.	cts.
<i>Brought forward</i> ...	...		...		753,270.05	
<i>Carried forward</i> ...	...		...		753,270.05	

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	543,886.43
<b>SECRETARIAT.</b>			
<i>Pay, Foreign :</i>			
Secretary (including allowance for fuel, light and house rent to 30th April) ... ..	5,440.00		
Assistant Secretary ... ..	3,000.00		
Accountant ... ..	3,900.00		
Sub-Accountant ... ..	3,100.00		
Assistant, General Office (including house allowance) ... ..	2,338.00		
		17,778.00	
<i>Dues Office :</i>			
Assistant ... ..	...	2,950.00	
<i>Tax Office :</i>			
Overseer of Rates ... ..	3,000.00		
Collector of Foreign house-tax ...	1,740.00		
Inspector of Livery-stables ... ..	1,225.00		
4 Collectors of Native house-tax ...	5,850.00		
2 Collectors of land-tax, Dues, license fees and other taxes ...	3,420.00		
		15,235.00	
<i>Pay, Native :</i>			
Translator ... ..	454.02		
Assistant Tax Office... ..	900.00		
„ Accountant's Office ... ..	240.00		
Compradore and staff ... ..	4,290.14		
Tax-note writers ... ..	1,641.36		
Sampan-men employed in the collection of sampan-tax ... ..	298.68		
Godown-man ... ..	100.00		
Watchman at Council-house ... ..	89.43		
		35,963.00	
<i>Carried forward</i> ...	8,013.63	35,963.00	543,886.43

## FINANCIAL STATEMENT—continued.

### ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	...	753,270.05
<i>Carried forward ...</i>	...	...	753,270.05

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	8,013.63	35,963.00	543,886.43
SECRETARIAT— <i>continued.</i>			
<i>Pay, Native</i> —cont. :			
<i>Dues Office</i> :—2 Native writers ...	693.00		
<i>Native Servants</i> :			
For Municipal Offices and Dues Office	798.00		
Coolie for numbering Chinese houses ... ..	48.00		
Jinricksha coolies for tax collectors	595.57		
Punkah coolies ... ..	82.28		
		10,230.48	
		46,193.48	
<i>Stud</i> —Contract for pony for collector ...	...	208.25	
			46,401.73
GENERAL CHARGES.			
Legal expenses ... ..	...	1,750.00	
Audit fee ... ..	...	500.00	
Pension : late R. F. Thorburn ... ..	...	975.60	
Semaphore Service, contribution towards expenses ... ..	...	1,266.37	
Insurance, postage, telegrams ... ..	...	512.61	
Fuel and light for all offices and Board Room ... ..	...	759.25	
Printing, stationery, advertising, newspapers ... ..	...	7,628.63	
House and vehicle numbers ... ..	...	299.25	
Pew-rent for 7 sittings, Trinity Cathedral ... ..	...	144.00	
<i>Carried forward</i> ...	...	13,835.71	590,288.16

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls.	cts.	Tls.	cts.	Tls.	cts.
<i>Brought forward ...</i>	...		...		753,270.05	
<i>Carried forward ...</i>	...		...		753,270.05	

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	13,835.71	590,288.16
<b>GENERAL CHARGES—<i>continued.</i></b>			
Uniforms, medicines and Hospital expenses for tax collectors ... ..	...	868.60	
Contribution towards expenses, Vasco da Gama celebration ... ..	...	1,000.00	
Taxes on employés' houses, jinriksha hire, sun-shades and miscellaneous charges ... ..	...	1,276.71	16,981.02
<b>FIRE DEPARTMENT.</b>			
Contribution ... ..	...	10,000.00	
Painting bell-towers ... ..	...	60.00	
Erecting lightning-conductors on bell-towers ... ..	...	132.18	
Taxes, fire insurance and miscellaneous charges ... ..	...	185.92	10,378.10
<b>VOLUNTEERS.</b>			
Pay of Adjutant ... ..	...	1,500.00	
Sergeant-Major and Storekeeper. ... ..	...	969.48	
Staff at Rifle Range, Armoury and Gun-shed coolies ... ..	...	1,346.50	
Printing, stationery, advertising, postage Subscription to National Rifle Association, London, £10. 10s. . . . .	...	1,017.22	
Uniforms and uniform accoutrements... ..	...	77.99	
Annual training season and field days... ..	...	4,892.01	
Keep and hire of ponies ... ..	...	1,086.47	
Keep and hire of ponies ... ..	...	1,068.72	
<i>Carried forward ...</i>	...	11,958.39	617,647.28





FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	11,958.39	617,647.28
<b>VOLUNTEERS—<i>continued.</i></b>			
Drill-shed on Soochow Creek, lengthening-shed, wages of watchmen and cost of light ... ..	...	554.17	
Ammunition used during the year ... ..	...	1,579.77	
Gratuity to marker at Butts ... ..	...	152.60	
Chinese Government ground-tax ... ..	...	33.22	
Canvas target-covers, target-frames, painting, etc. ... ..	...	352.07	
Fuel for Armoury... ..	...	33.31	
Keeping shooting register at Butts ... ..	...	117.16	
Watchmen at Range: weeding and cutting grass ... ..	...	171.53	
Flags, signal-lamps, emery paper, oil, rope, jiu-rieksha hire and miscellaneous charges ... ..	...	1,464.36	
Repairing stop-butt ... ..	...	70.00	
			16,486.58
<b>PUBLIC BAND.</b>			
Pay of Secretary ... ..	...	300.00	
„ Bandmaster (7 months on half-pay) ... ..	...	1,426.25	
„ Assistant Bandmaster and Musicians ... ..	...	7,761.30	
„ Musicians for extra services at private performances ... ..	...	1,077.68	
Rent of houses for band practice, and for the musicians ... ..	...	561.12	
Wages of coolie ... ..	...	40.84	
Funeral expenses of musician ... ..	...	65.00	
Uniforms ... ..	...	177.86	
Music, repairs to instruments, violin-strings, bows, etc. ... ..	...	339.02	
Medicines and hospital charges ... ..	...	60.08	
<i>Carried forward ...</i>	...	11,809.15	634,133.36

## FINANCIAL STATEMENT—continued.

## ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	753,270.05
<i>Carried forward</i> ...	...	...	753,270.05

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	11,809.15	634,133.86
<b>PUBLIC BAND—<i>continued.</i></b>			
Advertising and stationery, binding music books ... ..	...	111.18	
Coal for practice-room and musicians' houses ... ..	...	141.58	
Passage of Assistant Bandmaster ...	...	311.95	
Jinriksha hire, taxes, fire insurance and miscellaneous charges ... ..	...	282.62	
<i>Deduct—</i>		12,656.48	
Contribution from the French Municipal Council ... ..	1,500.00		
Amount received for private services	3,519.87		
		5,019.87	7,636.61
<b>SHANGHAI LIBRARY.</b>			
Contribution ... ..	...	...	1,000.00
<b>SHANGHAI MUSEUM.</b>			
Contribution ... ..	...	...	500.00
<b>EDUCATION GRANTS.</b>			
<i>Contributions.</i>			
Thomas Hanbury School and Children's Home ... ..	...	1,500.00	
French Orphanage ... ..	...	1,000.00	
St. Xavier's School ... ..	...	1,500.00	
Shanghai Public School ... ..	4,000.00		
Special grant for purchase of furniture ... ..	3,500.00		
		7,500.00	11,500.00
<i>Carried forward</i> ...	...	...	654,770.47

## FINANCIAL STATEMENT—continued.

## ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	...	753,270.05
<i>Carried forward ...</i>	...	...	753,270.05

FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	654,770.47
<b>INTEREST.</b>			
On Debentures, Loans of 1888, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898 ... ..	53,555.00		
Less—Charges to Electrical De- partment ... ..	13,550.00	40,005.00	
Police Savings Bank ... ..	...	1,782.41	
Tax Collectors' Savings Bank ... ..	...	8.26	
<i>Deduct—</i>		41,795.67	
Interest on Trust Funds, Amount charged to Electrical Depart- ment and Sundry Accounts ...	...	2,305.31	39,490.36
<b>SINKING FUND.</b>			
Payment of 250 Debentures, balance of Loan of 1888 ... ..	...	25,000.00	
Payment of 120 Debentures, portion of Loan of 1890 ... ..	...	12,000.00	37,000.00
<b>LAND AND BUILDINGS.</b>			
<i>Tun-sin property:—</i>			
Rebuilding Artillery stables: Electric installation, 2 gate-lamps ...	...	769.25	
<i>Old Rifle Range:</i>			
Removing butts, etc. ... ..	659.49		
Less—Sale of Om. Of. 4l. 1h. $\frac{50}{720}$ land ... ..	123.00	536.49	
<i>Carried forward</i> ...	...	1,805.74	731,260.83



FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	1,305.74	731,260.83
<b>LAND AND BUILDINGS—<i>continued.</i></b>			
<i>New Rifle Range :</i>			
3m. Of. 1l. 3h. of land ... ..	723.12		
Forming approach road, erecting targets, telephone installation, fencing ground, etc. ... ..	3,163.25		
		3,886.37	
Slaughter-house: Additional hoisting apparatus ... ..	...	1,170.63	
Carter Road Police Station: Balance of cost of additions ... ..	...	1,787.41	
Market Inspector's residence: building stables ... ..	...	632.80	
<i>Police Stations :—</i>			
Central Station: building boundary wall, erecting lightning-conductors, strengthening cells and erecting lightning-conductor ...	953.33		
Old Central Station: Raising bell-tower ... ..	300.61		
Hongkew Police Station: erecting lightning-conductors ... ..	68.08		
		1,322.02	
Isolation Hospital: Electrical installation ... ..	...	316.11	
New Cemetery, Bubbling Well Road: Native land fees ... ..	...	149.64	
Building tool-house on lot 1016 ...	...	441.80	
		11,012.52	
<i>Deduct—</i>			
Rent of Foochow Road Hospital, and rent of land adjoining Morrison Road latrine ... ..	...	69.08	
			10,943.44
<i>Carried forward ...</i>	...	...	742,204.27

FINANCIAL STATEMENT—*continued.*

## ORDINARY REVENUE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	753,270.05
		Taels	753,270.05

F. ANDERSON,  
R. INGLIS,  
E. SHELLIM,

*Members of Finance Committee.*



FINANCIAL STATEMENT—*continued.*

## ORDINARY EXPENDITURE.

	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward</i> ...	...	...	742,204.27
<b>STOCK AND STORES.</b>			
Public Works: Jaws for stone-crusher, wheels for steam road-rollers, iron- rollers, rakes, shovels and repairs to plant ... ..	11,345.15		
Nuisance: Carts, hose, wheels, springs, sweeping-machines and repairs to plant ... ..	9,059.35		
Volunteers: Cartridges, swords, telescope	2,623.08		
Carriages, harness and repairs ... ..	1,717.01		
Furniture, electric installations, gas fix- tures, etc. ... ..	3,710.20		
Band instruments and Surgical instru- ments ... ..	990.64		
Police:			
Mess and barrack furniture 3,100.87			
Handcuffs, bull's-eye lamps, whistles, truncheons, accoutrements for patrol ponies ... ..	1,534.04		
	4,634.91		
		31,080.34	
<i>Deduct—</i>			
Sale of drain-pipes and stores ...	...	23,185.75	
			10,894.59
			753,098.86
<b>SURPLUS, 31st December 1898, trans- ferred to Extraordinary Income and Expenditure ... ..</b>	...	...	171.19
		Taels ...	753,270.05

Audited and found correct,

H. J. LIMBY,

*Auditor.*

# FINANCIAL

1st January to

## EXTRAORDINARY REVENUE.

	Debentures Authorized.	Debentures Issued.
	Tls. cts.	Tls. cts.
SURPLUS on Ordinary Income and Expenditure, 31st December 1897 ... ..	...	4,564.71
RESOLUTION VII, 1898.		
For the completion or erection of the permanent works set forth in the Budget for 1898 (page 439) ...	270,000.00	240,000.00
<i>Carried forward</i> ...	270,000.00	244,564.71

# STATEMENT.

31st December 1898.

## EXTRAORDINARY EXPENDITURE.

	Appropriation.		Expenditure.	
	Tls. cts.	Tls. cts.	Tls. cts.	Tls. cts.
<b>AUTHORISED.</b>				
AUTHORISED RESOLUTION VII, 1898.				
<i>Bridges:</i>				
Constructing hardwood bridge across Soochow Creek between the Garden and North Szechuen Road bridge ... ..	23,000.00		9,000.00	
Constructing hardwood bridge across Soochow Creek at the end of Thibet Road ... ..	15,500.00		6,000.00	
		38,500.00		15,000.00
<i>Bundings:</i>				
Constructing hardwood bunding, Sungkiang Road, between Shantung Road and Fuhkien Road bridges ... ..	4,960.00		4,214.85	
Constructing hardwood bunding, Sungkiang Road, between Fuhkien Road and Chekiang Road bridges ... ..	5,200.00		4,318.00	
Constructing hardwood bunding, Sungkiang Road, between Chekiang Road and Yunnan Road bridges ... ..	6,400.00		5,361.80	
		16,560.00		13,894.65
<i>Landing-stages:</i>				
Constructing jetties at Kungping, Jansen and Wetmore Roads ...	...	1,500.00		
<i>(No expenditure during the year under this authority.)</i>				
<i>Roads:</i>				
Yangtze-poo Road: metalling, paving, curbing and channeling, a portion of ... ..	...	12,400.00		12,500.00
<i>Carried forward</i> ...	...	68,960.00	...	41,394.65

FINANCIAL STATEMENT—*continued.*

## EXTRAORDINARY REVENUE.

	<i>Debentures Authorized.</i>		<i>Debentures Issued.</i>	
	Tls.	cts.	Tls.	cts.
<i>Brought forward</i> ...	270,000.00		244,564.71	
RESOLUTIONS IX, 1896, AND VIII, 1897.				
Report on Woosung Bar ... ..	15,000.00			
[Not issued.]				
<i>Carried forward</i> ...	285,000.00		244,564.71	

## FINANCIAL STATEMENT—continued.

## EXTRAORDINARY EXPENDITURE.

	Appropriation.		Expenditure.	
	Tls.	cts.	Tls.	cts.
<i>Brought forward</i> ...	...	68,960.00	...	41,394.65
<b>AUTHORISED RESOLUTION VII, 1898</b>				
<i>continued.</i>				
<i>Police Stations, etc.:</i>				
New Police Station, Seward Road, on B.C. Lot 1469 ... ..	12,000.00			
<i>(No expenditure during the year under this authority.)</i>				
Yangtze-poo Station, additional quarters and cells ... ..	3,600.00		4,121.39	
Tunsin property, Hankow Road, new quarters ... ..	25,000.00		8,088.93	
West Hongkew Police Station, balance of cost of building ...	5,500.00		8,812.90	
District Fire Station, Haubury Road ... ..	5,600.00		6,391.06	
		51,700.00		27,414.28
<i>Hongkew Market:</i>				
Additions to ... ..	...	4,000.00		3,151.25
<i>New Vaccine Station, Scott Road</i> ...	...	1,740.00		1,383.45
<i>New Steam Road-roller</i> ... ..	...	3,600.00		4,237.87
<i>Market and Drill Hall, Nanking Road, balance of cost of building.</i> ...	...	93,000.00		66,961.05
<i>New Roads: Cost of acquiring, draining, widening, etc. during the year</i> ...	...	50,000.00		54,287.17
<b>AUTHORISED RESOLUTION VIII, 1897.</b>				
<i>Woosung Bar: Half cost of first Report on Survey</i> ... ..	...	15,000.00		3,861.00
<i>Carried forward</i> ...	...	288,000.00	...	202,690.72

## FINANCIAL STATEMENT—*continued.*

### EXTRAORDINARY REVENUE.

	<i>Debentures Authorized.</i>	<i>Debentures Issued.</i>
	Tls.   cts.	Tls.   cts.
<i>Brought forward ...</i>	285,000.00	244,564.71
SURPLUS on Ordinary Income and Expenditure 1898...	...	171.19
DEFICIT carried forward to Extraordinary Budget, 1899    ...    ...    ...    ...    ...    ...	...	2,404.58
TAEELS ...	285,000.00	247,140.48

F. ANDERSON,

R. INGLIS,

E. SHELLIM,

*Members of Finance Committee.*

FINANCIAL STATEMENT—*continued.*

## EXTRAORDINARY EXPENDITURE.

	<i>Appropriation.</i>		<i>Expenditure.</i>	
	Tls. cts.	Tls. cts.	Tls. cts.	Tls. cts.
<i>Brought forward ...</i>	...	288,000.00	...	202,690.72
<b>UNAUTHORIZED.</b>				
<i>Land and Buildings :</i>				
Land at Point for Plague burial-ground ... ..	...		1,452.80	
Land at West of New Rifle Range ... ..	...	...	24,350.00	
Land at Rifle Range Road ...	...	...	14,502.80	
„ adjoining West Hongkew Police Station ... ..	...	...	2,392.53	
Erecting experimental wash-house	...	...	1,751.63	44,449.76
TAEIS ...	288,000.00	...	247,140.48	

Audited and found correct,

H. J. LIMBY,

*Auditor.*

# LAND AND BUILDINGS. PINGCHIAO GRANITE QUARRY.

## WORKING ACCOUNT.

To Wages ... ..	Tls. 3,191.93	By 31,924.11 tons of granite and sand ...	Tls. 37,410.13
„ Expenses <i>re</i> lease ... ..	„ 1,600.00		
„ „ quarrying ... ..	„ 7,680.49		
„ „ transport ... ..	„ 16,782.75		
„ „ breaking clips ... ..	„ 515.89		
„ „ steam-launch ... ..	„ 1,108.01		
„ „ stone-breaker ... ..	„ 2,586.62		
„ „ widening creek at quarry ...	„ 605.23		
„ Miscellaneous charges ... ..	„ 1,788.30		
„ Balance ... ..	„ 1,550.91		
	<u>Tls. 37,410.13</u>		<u>Tls. 37,410.13</u>

### Assets.

### BALANCE SHEET.

### Liabilities.

Steam-launch "Swift" ... ..	Tls. 5,364.85	By Balance of Working Account	
Plant and Machinery ... ..	„ 1,329.61	1897 ... ..	Tls. 1,198.65
Buildings ... ..	„ 4,889.76	„ Balance of Working Account	
Lease Account ... ..	„ 1,680.91	1898 ... ..	„ 1,550.91
Stock and granite ... ..	„ 3,484.74		<u>2,749.56</u>
Cargo-boats ... ..	„ 3,284.97	„ Balance 31st December 1898 ...	Tls. 17,285.28
	<u>Tls. 20,034.84</u>		<u>Tls. 20,034.84</u>

Audited and found correct,  
H. J. LIMBY,  
*Auditor,*

F. ANDERSON,  
R. INGLIS,  
E. SHELLIM,  
*Members of Finance Committee,*



# TRUST FUNDS.

## POLICE SAVINGS' BANK.

Balance on hand 31st December 1897	... ..Tls. 29,532.40	Amounts withdrawn	... ..Tls. 23,639.21	Balance.
Deposited by Members of the Force	... .." 17,570.18	Balance on hand 31st December 1898	... .." 25,245.78	—
Interest at 6 per cent. per annum	... .." 1,782.41			
	<u>Tls. 48,884.99</u>		<u>Tls. 48,884.99</u>	25,245.78

## POLICE RECREATION FUND.

Balance on hand 31st December 1897	...	...	Tls. 5,168.38	Prizes for rifle competitions and cost of	
Deductions from Police pay for men sick, and for				ammunition	... ..Tls. 467.11
fines	...	...	2,511.98	Keeping billiard tables in order	... .." 81.13
Proceeds of Sale of unclaimed property	...	...	713.31	houseboat in order	... .." 18.61
				Cricket gear	... .." 22.05
				Bicycle	... .." 189.93
				Funerals	... .." 114.87
				Rewards and gratuities	... .." 416.91
				Grant towards cost of Christmas dinner	... .." 75.00
				School Prizes for Indian Constables	... .." 80.76
				Special Reward for Capture of Detective	... .." 373.50
				Sundries	... .." 29.39
					<u>1,869.26</u>
				Balance on hand 31st December 1898	... .." 6,524.41
					<u>6,524.41</u>
			<u>Tls. 8,393.67</u>		<u>Tls. 8,393.67</u>
				Forward	... .." 31,770.19

# POLICE SECRET SERVICE FUND.

				<i>Balance forward</i>	...	...	31,770.19
Balance on hand 31st December 1897	...	...Tls.	<u>254.60</u>		Amounts withdrawn	...	...Tls. <u>254.60</u>

# FOREIGN LIQUOR-SELLERS' DEPOSITS.

Balance on hand 31st December 1897	...	...Tls.	<u>75.50</u>		Balance on hand 31st December 1898	...Tls.	<u>75.50</u> 75.50
------------------------------------	-----	---------	--------------	--	------------------------------------	---------	--------------------

# NATIVE LIQUOR-SELLERS' DEPOSITS.

Balance on hand 31st December 1897	...	...Tls.	<u>461.31</u>		Balance on hand 31st December 1898	...Tls.	<u>461.31</u> 461.31
------------------------------------	-----	---------	---------------	--	------------------------------------	---------	----------------------

# SHANGHAI VOLUNTEERS' EQUIPMENT DEPOSITS.

Balance on hand 31st December 1897	...	...Tls.	518.57	Deposits refunded	...	...Tls.	178.48
Amounts deposited	...	... „	313.92	Balance on hand 31st December 1898	...	... „	654.01
		Tls.	832.49			Tls.	832.49
							654.01

## NUISANCE CONTRACTOR'S DEPOSIT.

*Balance forward* ... .. 32,982.79

Balance on hand 31st December 1897	...	...	Tls. 1,127.00		Amount refunded	...	...	...	Tls. 382.00
					Balance on hand 31st December 1898...	..	..	..	745.00
			<u>Tls. 1,127.00</u>						<u>745.00</u>
									<u>Tls. 1,127.00</u>

## NIGHT-SOIL CONTRACTOR'S DEPOSIT.

Amount deposited	...	...	...	...	...	<u>Tls. 4,412.00</u>		Balance on hand 31st December 1898	...	<u>Tls. 4,412.00</u>	4,412.00
------------------	-----	-----	-----	-----	-----	----------------------	--	------------------------------------	-----	----------------------	----------

## ROAD MATERIAL CONTRACTOR'S DEPOSIT.

Amount deposited	...	...	...	...	...	<u>Tls. 1,100.00</u>		Balance on hand 31st December 1898	...	<u>Tls. 1,100.00</u>	1,100.00
------------------	-----	-----	-----	-----	-----	----------------------	--	------------------------------------	-----	----------------------	----------

## MUNICIPAL COMPRADORE'S SECURITY DEPOSIT.

Balance on hand 31st December 1897	...	...	...	...	...	<u>Tls. 4,000.00</u>		Balance on hand 31st December 1898	...	<u>Tls. 4,000.00</u>	4,000.00
------------------------------------	-----	-----	-----	-----	-----	----------------------	--	------------------------------------	-----	----------------------	----------

*Forward* ... .. 43,239.79

**TAX COLLECTORS' SAVINGS BANK.**

					<i>Balance forward</i> ... .. 43,239.79
Balance on hand 31st December 1897	...	...Tls.	39.32	Amount withdrawn	... .. Tls. 170.42
Amounts deposited	... ..	... "	323.09	Balance on hand 31st December 1898	... .. " 200.25
Interest at 6 per cent. per annum	...	... "	8.26		
		Tls.	<u>370.67</u>		Tls. <u>370.67</u> 200.25

**SPECIAL DEPOSIT FOR THE BENEFIT OF THE WIDOW OF THE LATE G. M. HART.**

Balance on hand 31st December 1897	...	...Tls. 4,000.00	Balance on hand 31st December 1898	...Tls. 4,000.00	4,000.00
------------------------------------	-----	------------------	------------------------------------	------------------	----------

**TOTAL BALANCE OF TRUST FUNDS 31st December 1898...** Tls. 47,440.04

Audited and found correct,  
H. J. LIMBY,  
Auditor.

F. ANDERSON,  
R. INGLIS,  
E. SHELLIM,  
*Members of Finance Committee.*

# BANK TRUST FUNDS ACCOUNT.

## HONGKONG & SHANGHAI BANK.

								Balance.
<i>Deposit Account:</i>				<i>Deposit Account:</i>				
Balance on hand 31st December 1897	...	...	Tls. 30,805.00	Balance on hand 31st Dec. 1898	...	Tls. 32,037.20	32,037.20	
Interest	...	...	1,232.20					
			<u>32,037.20</u>					
<i>Current Account:</i>				<i>Current Account:</i>				
Balance on hand 31st December 1897	Tls. 10,393.86			Balance on hand 31st December				
Interest and amount paid in	...	...	1,008.98	1898	...	Tls. 11,402.84	11,402.84	
			<u>11,402.84</u>					
			<u>Tls. 43,440.04</u>			<u>Tls. 43,440.04</u>		
				Total Balance at Bank	...	...	...	Tls. 43,440.04

## CHARTERED BANK OF INDIA, AUSTRALIA AND CHINA.

Balance on hand 31st December 1897	...	...	<u>Tls. 4,000.00</u>	Balance on hand 31st December 1898	...	<u>Tls. 4,000.00</u>	4,000.00
TOTAL BALANCE OF TRUST FUNDS 31st December 1898				...	...	<u>Tls. 47,440.04</u>	

Audited and found correct,

H. J. LIMBY,  
*Auditor.*

F. ANDERSON,  
R. INGLIS,  
E. SHELLIM,

*Members of Finance Committee.*

Financial Statement.

# HONGKONG & SHANGHAI BANK—DEPOSIT ACCOUNT.

## POLICE DEFERRED PAY FUND.

### *Deposit Account:*

Balance on hand 31st December 1897	...	...	Tls. 14,203.97
Amount deposited	...	...	.. „ 5,000.00
Interest	...	...	.. „ 236.83
			<u>Tls. 19,440.80</u>

### *Current Account:*

Balance on hand 31st December 1897	Tls. 5,520.03	
Amount paid in	... .. „	6,820.00
Interest	... .. „	87.45
		<u>12,427.48</u>
		Tls. 31,868.28

### *Deposit Account:*

Balance on hand 31st December 1898	Tls. 19,440.80	19,440.80
------------------------------------	----------------	-----------

### *Current Account:*

Amount withdrawn	...Tls. 10,523.76	
Balance on hand 31/Dec./98	„ 1,903.72	1,903.72
		<u>12,427.48</u>
		<u><u>Tls. 31,868.28</u></u>

*Forward* ... .. 21,344.52

## SINKING FUND.

[illegible]

H. J. LIMBY,  
*Auditor.*

F. ANDERSON,  
R. INGLIS,  
E. SHELLIM,  
*Members of Finance Committee.*

### Financial Statement.

				BALANCE	
ASSETS.				DECEMBER	
				Tels.	
LAND AND BUILDINGS	...	...	...	799,872.46	
STOCK AND STORES	...	...	...	162,933.44	
Less—WRITTEN OFF FOR DEPRE-					
CIATION				10,000.00	
					152,933.44
PINGCHIAO GRANITE QUARRY	...	...	...	17,285.28	
CHARTERED BANK OF INDIA, AUSTRALIA					
AND CHINA	...	...	...	4,000.00	
SUSPENSE, ADVANCES ON SUNDRY ACCOUNTS				791.78	
CASH IN HANDS OF COMPRADORE	...	...	...	2,398.90	
HONGKONG & SHANGHAI BANK:—					
DEPOSIT ACCOUNTS:—					
DEPOSIT	...	...	...	100,000.00	
TRUST FUNDS	...	...	...	43,440.04	
POLICE DEFERRED PAY FUND				21,344.52	
SINKING FUND	...	...	...	1,432.68	
ELECTRICAL DEPARTMENT:—					
SINKING FUND AND DEPRE-					
CIATION ACCOUNT					
	...			4,220.82	
					170,438.06
OUTSTANDING ACCOUNTS 31 <sup>ST</sup> DECEMBER 1898					
ACCOUNT ELECTRICAL DEPARTMENT	...			9,407.74	
ELECTRICAL DEPARTMENT:—					
Plant and Stores	...	...	...	279,833.51	
Extraordinary Income and Expenditure 1898					
	...			2,404.58	
				Tels	...
					1,439,365.75

H. J. LIMBY,  
*Auditor.*



SHEET.  
31st, 1898.

LIABILITIES.

				Taels.	
MUNICIPAL LOANS:	1890	at 6 per cent.	...	8,000.00	(balance)
Do.	1891	" 5½	"	20,000.00	
Do.	1892	" 5	"	50,000.00	
Do.	1893	" 5½	"	45,000.00	
Do.	1894	" 6	"	45,000.00	
Do.	1895	" 5	"	40,000.00	
Do.	1896	" 5	"	140,000.00	
Do.	1897	" 5	"	268,800.00	
Do.	1898	" 6	"	240,000.00	
				856,800.00	
ACCOUNT ELECTRICAL DEPARTMENT:—					
	1893	at 5½ per cent	15,000.00	(balance)	
	1894	at 6 per cent	60,000.00		
	1895	at 5 per cent	75,000.00		
	1898	at 6 per cent	60,000.00		
				210,000.00	
				1,066,800.00	
ELECTRICAL DEPARTMENT:—					
Sinking Fund and Depreciation					
Account	...	...	...	69,220.82	
Do.	Account 1898			27,188.72	
				96,409.54	96,409.54
HONGKONG & SHANGHAI BANK	Overdraft	...			98,347.47
DEFERRED PAY DUE MEMBERS OF THE					
POLICE FORCE	...	...	...		19,248.30
DEPOSIT ACCOUNTS:—					
Police Savings Bank	...	...	...	25,245.78	
" Recreation Fund	...	...	...	6,524.41	
Native Liquor-sellers	...	...	...	461.31	
Foreign do.	...	...	...	75.50	
Billiard and Bowling Saloons	...	...	...	21.78	
Nuisance Contractor	...	...	...	745.00	
Contractor for Road Materials	...	...	...	1,100.00	
Compradore's Security	...	...	...	4,000.00	
Tax Collectors' Savings Bank	...	...	...	200.25	
Night-soil Contractor's Security	...	...	...	4,412.00	
Volunteers' Equipments	...	...	...	654.01	
				43,440.04	
				1,324,245.35	
GENERAL BALANCE	...	...	...	115,120.40	
				Taels...	1,439,365.75

F. ANDERSON,  
R. INGLIS,  
E. SHELLIM,

Members of Finance Committee.

378 *Annual Report of the Shanghai Municipal Council, 1898.*

Date issued.	Interest.		Tls.	Tls.	Loans outstanding.
1890	6 per cent	Roads ... ..	...	20,000	
		Less—Paid ... ..	...	12,000	8,000
1891	5½ "	Slaughter-house ... ..	...	...	20,000
1892	5 "	New Central Police Station ... ..	...	...	50,000
1893	5½ "	Do. ... ..	...	20,000	
		Hongkew Market ... ..	...	25,000	45,000
1894	6 "	Shanghai Public School ... ..	...	...	45,000
1895	5 "	Roads ... ..	...	...	40,000
1896	5 "	Do. ... ..	...	20,000	
		New Rifle Range ... ..	...	7,400	
		Sewers ... ..	...	26,300	
		Bunding ... ..	...	16,500	
		Bridges ... ..	...	30,300	
		Bubbling Well Cemetery and Crematorium ... ..	...	39,500	
					140,000
		Carried forward ... ..	...	...	348,000

		<i>Brought forward</i> ... ..	...	...	348,000
1897	5 per cent	Police Stations, West Hongkew and Wayside; Rifle Butts	...	11,000	
		Isolation Hospital ... ..	...	50,000	
		New Rifle Range ... ..	...	22,000	
		Public Park, Hongkew ... ..	...	16,500	
		Residence of Market Inspector ... ..	...	6,300	
		Bubbling Well Cemetery and Crematorium ... ..	...	13,000	
				118,800	
1897	5 „	Nanking Road Market and Drill Hall ... ..	...	150,000	268,800
1898	6 per cent	For the completion or erection of the permanent works as set forth in the Budget for 1898 [page 439] (Amount Authorized Tls. 270,000) ... ..	...	...	240,000
					856,800
		SPECIAL LOANS AGAINST ELECTRICAL DEPARTMENT.			
1893	5½ per cent	... ..	80,000		
		<i>Less—Paid</i> ... ..	65,000		
				15,000	
1894	6 „	... ..	...	60,000	
1895	5 „	... ..	...	75,000	
1898	6 „	... ..	...	60,000	
					210,000
		Total Tls. ...	...	...	1,066,800

# REMUNERATIVE & REALIZABLE WORKS, STOCK & STORES, ETC.

## CAPITAL EXPENDITURE.

	1898.
	Tls.
Electrical Department ... ..	279,833.51
Public Market and Drill Hall, Nanking Road ... ..	187,860.85
Hongkew Market ... ..	26,013.63
Slaughter-house ... ..	27,102.01
Cattle-sheds and Residence for Market Inspector ... ..	27,901.14
Local Post Office Stock ... ..	4,438.59
Public Works Stock ... ..	22,501.20
Vaccine Apparatus ... ..	964.90
Pingchiao Granite Quarry—Stock in hand, Launch, Cargo-boats, etc. ... ..	17,285.28
Tls. ...	593,901.11

# UNREMUNERATIVE BUT REALIZABLE WORKS.

## CAPITAL EXPENDITURE.

										—	1898.
LAND AND BUILDINGS.										Tls.	Tls.
Old Central Police Station, Land and Buildings	...	...	...	...	...	...	...	...	...	15,947.05	
New	"	"	"	...	...	...	...	...	...	97,052.38	
Hongkew	"	"	"	...	...	...	...	...	...	25,796.28	
Wayside	"	"	"	...	...	...	...	...	...	3,033.11	
West Hongkew	"	"	"	...	...	...	...	...	...	20,058.02	
Police Jail, Hongkew	"	"	"	...	...	...	...	...	...	5,364.10	
Yangtsze-poo Police Station, Land and Buildings	...	...	...	...	...	...	...	...	...	16,569.35	
Louza Police Station, Land and Buildings	...	...	...	...	...	...	...	...	...	38,747.66	
Carter Road Police Station, Land and Buildings	...	...	...	...	...	...	...	...	...	12,504.97	
Foochow Road Hospital, Land and Buildings	...	...	...	...	...	...	...	...	...	2,867.44	
Isolation Hospital, Land and Buildings	...	...	...	...	...	...	...	...	...	76,292.84	
Municipal Buildings (Tunsin property), Land and Buildings	...	...	...	...	...	...	...	...	...	41,407.49	
Old Rifle Range	...	...	...	...	...	...	...	...	...	1,162.01	
New	...	...	...	...	...	...	...	...	...	47,275.78	
Hongkew Dépôt, Land and Buildings	...	...	...	...	...	...	...	...	...	20,780.21	
Carried forward ...										424,858.69	—

UNREMUNERATIVE BUT REALIZABLE WORKS—*continued.*

## CAPITAL EXPENDITURE.

		1898.
	Tls.	Tls.
<i>Brought forward ...</i>	424,858.69	
<b>LAND AND BUILDINGS—<i>continued.</i></b>		
Shanghai Public School, Land and Buildings	48,882.11	
Land for Latrines ...	3,291.40	
Shed at Chip-yard, Lloyd Road	709.29	
„ for traction engine	287.29	
„ „ steam road-rollers	299.98	
Public Park, Hongkew, cost of land	...Tls. 21,432.92	
Tool-house on Lot 1016	441.80	
District Fire Station, Hanbury Road	6,391.06	
Vaccine Station, Scott Road	1,883.45	
Land at "Point" for burial of Plague patients	1,452.80	
Wash-houses	1,751.63	
Land at New Rifle Range	24,350.00	
Land, Rifle Range Road	14,502.80	
Land adjoining West Hongkew Station	2,392.53	
		530,994.83
<i>Carried forward ...</i>	...	530,994.83

										Tls.	Tls.
<i>Brought forward ...</i>										...	530,994.83
<b>STOCK AND STORES.</b>											
Furniture, gas and electrical fittings	...	...	...	...	...	...	...	...	...	9,257.10	
Telephone plant	...	...	...	...	...	...	...	...	...	513.00	
Police furniture and stores	...	...	...	...	...	...	...	...	...	18,690.11	
Fire Department stock	...	...	...	...	...	...	...	...	...	6,382.55	
Volunteers' stock	...	...	...	...	...	...	...	...	...	29,709.57	
Sanitary Department stock	...	...	...	...	...	...	...	...	...	39,673.80	
Public Band stock	...	...	...	...	...	...	...	...	...	2,342.71	
Foochow Road Hospital stock	...	...	...	...	...	...	...	...	...	370.66	
Miscellaneous stores	...	...	...	...	...	...	...	...	...	12,031.43	
											118,970.93
										Tls.	649,965.76

# UNREMUNERATIVE AND UNREALIZABLE WORKS, ETC.

## EXPENDITURE.

													1898.
Public Lamp Pillars	...	...	...	...	...	...	...	...	...	...	...	...	6,057.82
Widening, Extending and Improving Roads	...	...	...	...	...	...	...	...	...	...	...	...	188,162.44
Sewers	...	...	...	...	...	...	...	...	...	...	...	...	32,825.82
Bundings	...	...	...	...	...	...	...	...	...	...	...	...	27,216.95
Bridges	...	...	...	...	...	...	...	...	...	...	...	...	30,591.78
New Cemetery and Crematorium	...	...	...	...	...	...	...	...	...	...	...	...	66,460.09
Tails ...													351,314.90



# **B U D G E T.**

---

## **REVENUE AND EXPENDITURE**

**FROM**

**1ST JANUARY TO 31ST DECEMBER 1898.**

# ESTIMATES

## FOR THE MUNICIPAL YEAR

FROM

1ST JANUARY to 31ST DECEMBER 1899

WITH

REMARKS THEREON BY THE COUNCIL FOR 1898.

The Council now submits to the Ratepayers the Estimates of Municipal Income for 1899 together with the appropriations of Expenditure which are recommended for the year.

The Council has adhered to the system introduced last year for treatment of Municipal Accounts, keeping the "Ordinary" Income and Expenditure separate and distinct from the "Extraordinary" (or Capital) receipts and disbursements :—

<i>The Ordinary Income</i> is estimated at	...	...	Tls. 767,300.00
while the			
<i>Ordinary Expenditure</i> recommended is	...	...	„ 763,610.00
leaving an estimated surplus of	...	...	„ 3,690.00

*The Extraordinary Income* (of which a sum of Tls. 110,000 requires authority from the Ratepayers to be raised in 1899) amounts to ... .. Tls. 145,000.00

<i>The Capital Expenditure</i> recommended is	...	...	...	...	Tls. 142,200.00
which together with deficit on Extraordinary Account 1898 of	...	...	„	2,404.58	
makes a total of	...	...	...	...	Tls. 144,604.58
leaving an estimated surplus on Capital Account for 1899 of	...	...	...	...	Tls. 395.42

Dealing first with the Budget of Ordinary Income and Expenditure, it is to be noted that while no alterations are proposed in the existing sources of revenue, two new items are now for the first time included in the Budget, *viz.* Market Fees [a monthly rental from stall-spaces] and taxes on Private Vehicles, Ponies, etc. The former are estimated to produce an income of Tls. 13,900 for the year and the latter Tls. 15,000 for the 9 months commencing 1st April.

The *Land Tax* for 1898 produced Tls. 140,291, and the estimate for 1899 is placed at Tls. 140,300, no increase under this heading being possible until a re-assessment takes place. There has been a considerable increase in the value of land, more particularly in Hongkew, since the date of the last assessment (1896).

The *Foreign House Tax* produced in 1898 a revenue of Tls. 94,072; for the coming year it is estimated at Tls. 105,000, an increase of about 10%, derivable partly from higher rentals charged and partly from the number of new houses to be occupied.

The following figures afford a comparison between the numbers and assessment of foreign houses in 1897 and 1898:—

		September Quarter 1897.			September Quarter 1898.
Foreign Houses	...	1,124	...	...	1,182
Assessments	...	Tls. 861,553	...	Tls.	989,632

showing an increase of 58 houses and of Tls. 128,079 in the assessment for 1898.

The *Native House Tax* last year yielded Tls. 239,735, an increase of nearly 11% over the estimate under this heading, which is accounted for by the increase which took place in rentals early in the year and by the high rate of exchange ruling for dollars, in which currency the tax is chiefly paid. The estimate for 1899, based on the assessment at the beginning of the year, and taking into account a distinct tendency towards reduced rentals in certain localities, has been placed at Tls. 220,500.

The following return shows the number of houses and their assessment in 1897 and 1898:—

	September Quarter 1897.	September Quarter 1898.	Increase.
Total Number of Native Houses ...	32,150	33,947	1,797
Houses Occupied ... ..	31,842	32,475	633
Unoccupied ... ..	308	1,472	1,164
Assessments ... ..	\$2,864,221	\$3,381,306	\$517,085
Tax Collected ... ..	\$ 69,639	\$ 80,301	\$ 10,662

*Dues on Merchandise* for 1898 (to 31st October), including the Taotai's contribution for the year, produced a total of Tls. 69,900. The Council has reason to expect that under the new system (the arrangements for which have now been satisfactorily completed) these Dues, levied from Foreign and Chinese merchants alike, will yield a considerably larger revenue; at the same time, in view of the experimental nature of the new procedure, it has been considered advisable to place the estimate for the year no higher than Tls. 75,000. Subject to approval by the Ratepayers, the amended system of collection will commence on 1st April.

*License Fees.*—A marked falling-off took place in most of the License fees returns for the last half of 1898, a fact due to depression of local trade, high cost of living, and stringency of the money market. The lower classes of native residents have been compelled to curtail their expenses, and as the Municipal License fees are chiefly levied on so-called luxuries, they are naturally the first to show the effects of reduced business, etc. No improvement in revenue from these sources is likely to be shown during the current year: the scale of the various fees remains unchanged.

The total revenue under this heading in 1898, exclusive of cattle-shed and slaughter-house fees, amounted to Tls. 200,157. The Budget estimate for 1899 is Tls. 203,500, which includes a sum of Tls. 15,000 proposed to be collected from the new tax on private vehicles, etc. from 1st April.

The fees received from the slaughter-house and cattle-sheds for last year were Tls. 9,113; they are estimated to yield a similar amount in 1899.

The Market fees, from the Maloo and Hongkew Markets, which were introduced on the 1st January, are estimated to yield Tls. 13,900 for the current year.

*Ordinary Expenditure :—Police Force.* The Budget appropriation under this heading for the current year amounts to a total of Tls. 211,870, as against an actual expenditure in 1898 of Tls. 182,382. This increase is due, firstly, to further additions to the Force and its general expenses, necessitated by the continued growth of the area which the Police are required to supervise; secondly, to an advance of 10% in the pay of the Foreign Staff, which the Council considers essential in order to engage and retain the services of suitable men; thirdly, to the expenditure (estimated at Tls. 11,200) to be incurred in the establishment and maintenance of the new gaol leased from H.M.'s Office of Works; and, fourthly, to the increase (estimated at about Tls. 4,000) in the appropriation for maintaining the Carter Road Station. It will be noted that the detective staff has been considerably augmented, and that provision has been made for affording free tuition in Chinese to the Foreign staff.

*Sanitary :—Hospitals and Medical.* The estimated expenditure under these headings remains practically the same as in 1898. Provision for the *Pasteur Institute* is placed at Tls. 1,300, while the net cost to the Ratepayers of the *Nursing Home* is estimated at Tls. 3,400.

*Sanitary and Nuisance :—*The work of sweeping and removing garbage from the public streets having been transferred to the Engineer's Department, the estimates of the Sanitary and Nuisance Branch provide only for the work of cleaning and disinfecting alleyways, urinals, etc., and for removal of night-soil. Deducting the amount to be received from the contractor for the sale of the latter, the total estimated cost of this Branch amounts to Tls. 9,820.

*Sanitary :—Markets.* The expenditure under this heading in 1898 was Tls. 7,108, and the estimate for the current year is Tls. 8,520—the increase being due to the engagement of an additional foreign Inspector for Markets and Dairy work.

The appropriations under *Water Supply* and *Lighting* call for no special comment; it is to be noted, however, that the existing contract with the Waterworks Co. expires on 30th June 1899.

The estimated expenditure of the *Engineer and Surveyor's Office* remains practically unchanged.

The total appropriation for 1899 under *Public Works* amounts to Tls. 193,214. It will be observed that this general heading now includes the various *Gardens, Outside Roads and Cemeteries* which are under the direct control of the Engineer's Department, as well as the *Cleaning and Scavenging Branch* formerly dealt with by the Sanitary Department. The estimated cost of the scavenging work being Tls. 50,600, the appropriations for Public Works as a whole may be considered to be on the same scale as in the Budget for 1898. A sum of Tls. 5,000 is required for the periodically recurring overhaul of *Jetties and Pontoons*; Tls. 80,000 is set down as necessary for the maintenance of *Roads* in the Settlement (as against Tls. 102,000 expended in 1898), and the necessary cost of keeping up the *Outside Roads* continues to increase, this year's appropriation being Tls. 15,000. The estimate under *Public Gardens* is increased by Tls. 1,500, owing to the steps now being taken to engage a practical working gardener in England.

Under *Secretariat*, the appropriation stands at Tls. 52,506, as against an expenditure in 1898 of Tls. 46,400. This increase is due to certain augmentations in salary in the Secretariat and Tax Offices, and to the new appointment of an Assistant Overseer of Taxes.

*General Charges* show the same estimated total as the Budget for 1898, viz. Tls. 16,000, there being an increase under Legal expenses, advertising and printing, and miscellaneous charges, and a corresponding reduction under the heading of pension to the late Mr. R. F. THORBURN.

The appropriations for maintenance of *Volunteers* and contribution to *Fire Department* have been respectively increased by Tls. 3,500 and Tls. 3,000 over the amounts estimated for 1898, and stand for the current year at Tls. 16,000 and Tls. 13,000. The expenditure of the S.V.C. in 1898 was Tls. 16,486 (or Tls. 1,000 less than in 1897), and it is expected that further economical measures may yet be introduced. The total contribution to the Fire Department in 1898 was Tls. 10,378, but the expenditure for the current year requires to be increased owing to necessary additions to ordinary plant.

The *Public Band* maintenance appropriation for 1899 (Tls. 9,000) shows an increase of Tls. 1,000, due to expenses entailed in replacing

Bandsmen whose agreements expire this spring. The grants in aid of the *Public Library* and *Museum* remain unaltered, as is the case with the usual *Education Grants*.

The net amount estimated for *Interest* in 1899 is Tls. 48,390, as against Tls. 39,490 paid under this heading in 1898. A sum of Tls. 45,800, being the proportionate amount of Debentures now outstanding, has been appropriated as *Sinking Fund* and will be devoted to the repayment of Debentures, should such a measure be held to be expedient, during the year.

The Council recommends that the following Rates and Taxes be levied :—

*On Land*.— $\frac{5}{10}$ ths of one per cent per annum on assessed values.

*On Houses occupied by Foreigners and Natives*.—10 per cent. per annum on the actual or assessed rental.

*Dues on Goods*.—From 1st January to 31st March in accordance with Resolution V as adopted at annual general meeting of 1898. From 1st April till next annual meeting to be collected, for and on behalf of the Council, by the Imperial Maritime Customs, in accordance with the resolution to be submitted at the annual meeting of Ratepayers. 1899, and the Tariff adopted at that meeting.

*License Fees*.—That fees as per following scale be levied :—

For every Foreign Hotel or Tavern ...	}	According to class of establishment, from \$40.00 to \$65.00	} Per quarter, payable in advance.
„ „ Shop or Store for the sale of Foreign Wines, Spirits and Beer ... ..			
„ „ Restaurant, Boarding or Chop House, supplying Wines, Spirits and Beer at Meals .	}	According to class of establishment, from \$6.00 to \$20.00	
„ „ Shop, Store, Eating-house and Tavern, for the sale of Native Wines and Spirits .			
„ „ Medicine Shop or Store, for the sale of Native Wines and Spirits ... ..	}	\$3.00	

For every Pawn-shop ... ..	...	...	According to class of establishment, from $\frac{1}{2}\%$ to $\frac{3}{4}\%$ per annum on the total value of the articles pawned or pledged, payable quarterly.	
" " Foreign Theatre, Music Hall, Circus, Dancing Saloon, Exhibition and Show ...			According to class of establishment, from 10 cents to \$5.00 for every day or night open.	Payable in advance.
" " Billiard and Bowling Saloon.			According to the number of Tables and Bowling Alleys in use, at the rate of \$3.00 per quarter each Table or Alley.	Payable in advance.
" " Shop or Store for the sale of raw or prepared Intoxicating Drugs ... ..			According to class of establishment, from \$1.50 to \$5.00.	Per month, payable in advance.
" " Shop, Store or public establishment in which intoxicating drugs are smoked or consumed ... ..			According to the number of lamps in use, at 50 cents for each lamp.	Per month, payable in advance.
" " Tea-shop ... ..			According to class, at 10 cents to 20 cents for each table.	Per month, payable in advance.
" " Native Theatre ... ..			\$20.00.	



For every Native Concert or Sing-song House ... ..	} According to class of establishment, from \$3.00 to \$9.00.
" " Shop for the sale of Butchers' Meat or Pork ...	} \$1.00.
" " Stall for the sale of Butchers' Meat ... ..	} \$1.00.
" " Stall for the sale of Pork ...	50 cents.
" " Horse, Pony, Mule or Donkey, let or used for hire from Livery Stables ...	} \$1.00.
" " Carriage, let or used for hire from Livery Stables ...	} \$4.00.
" " Horse, Pony, Mule or Donkey, let or used for hire from Livery Stables situated outside the limits, on entering the Settlement ... ..	} \$1.00.
" " Carriage, let or used for hire, from Livery Stables situated outside the limits, on entering the Settlement ...	} \$4.00.
" " Private Horse, Pony, Mule or Donkey in use during quarter ... ..	} \$1.00.
" " Private Carriage in use during quarter ... ..	} \$3.00.
" " Private Jin-ric-sha in use during quarter ... ..	} \$2.00.

Per month, payable in advance.

---

Per quarter payable in advance.

For every	Jin-ric-sha, plying, let or	used for hire	...	...	\$1.50 (exclusive of license plate).
"	"	Wheel-barrow, plying, let or	used for hire	...	600 Cash (exclusive of license plate).
"	"	Trolley	...	...	600 Cash (exclusive of license plate).
"	"	Pony or Donkey Cart or Waggon	...	...	\$2.50 (exclusive of license plate).
"	"	Hand-cart	...	...	\$2.00.
"	"	Native Water-cart	...	...	\$2.00.
"	"	Cargo-boat, carrying capacity under 20 tons	...	...	\$1.50.
		20 tons and under 50 tons			\$2.50.
		50 " " " 100 "			\$3.50.
		100 " " over	...		\$4.50.
"	"	Native Boat, according to class	...	...	100 to 600 Cash.
"	"	Native Cargo Boat	...	...	From 50 cents to \$1.00 for two months, payable in advance.
"	"	Sampan	...	...	At \$1.00 for two months, payable in advance.
"	"	Steam Launch and Ferry Boat	...	...	\$2.00 per month, payable in advance.
"	"	Permit to erect Mat Sun-shades over public thoroughfares—			Tls. 2 per Fong, payable in advance.
"	"	Permit to erect Calico Sun-shades over public thoroughfares—			5 mace per Fong, payable in advance.

Per month, payable in advance.

For every Permit to open Roads for constructing or repairing Connections with Municipal Drains—Tls. 3 each, payable in advance.

---

The Budget of "*Extraordinary*" *Income and Expenditure* requires but little comment. The Expenditure estimated to be required for the completion and erection of the various permanent public works therein set forth amounts to Tls. 144,775, a figure which represents the actual needs of the Settlement reduced to their lowest possible limits. It will be noted that the amount appropriated for acquiring and making up new *Roads* during the year is Tls. 30,000, and that a sum of Tls. 7,500 is required for the erection of jetties to be used for the removal of garbage. A new Steam Engine and Fire-escape are necessary items to be provided for the use of the Fire Department. A large proportion of the total expenditure recommended is on account of public works commenced, but not completed, in 1898. To meet the requirements of the "*Extraordinary*" Budget it is proposed to raise the unissued balance (Tls. 30,000) of the loan authorised in 1898, together with Tls. 5,000 of the amount voted in 1897 for the survey of the Woosung Bar, and to ask the authority of the Ratepayers for a new loan, not exceeding Tls. 110,000, to be raised during the year by Debentures, should it be considered expedient to do so.

---

**MUNICIPAL***Estimate for the year 1st January***ORDINARY INCOME.**

	Tls.	Tls.
<b>LAND TAX.</b>		
At 5/10ths of 1 per cent on Taels 29,205,300, being total assessed value of property.		
Less on Tls. 1,145,300 being total value of property occupied by Churches, Cemeteries and Municipal properties.		
<u>Tls. 28,060,000</u>	.....	140,300
<b>GENERAL MUNICIPAL RATE.</b>		
FOREIGN.—At 10 per cent on Tls. 1,125,000 being actual or assessed rentals of rateable houses on 31st December 1898 ... .. Tls. 112,500		
Allow for houses unoccupied during the year and reduction in rents ... .. " 7,500	.....	105,000
NATIVE.—At 10 per cent on \$3,400,000, being actual or assessed rentals of rateable Chinese houses on 31st December 1898 ... .. \$340,000		
Allow for houses unoccupied during the year and reduction in rents .. .. 37,960		
At Exchange 73 ... <u>\$329,040</u>	.....	220,500
<b>DUES ON MERCHANDISE.</b>		
Estimated to be received from all sources ... ..	.....	75,000
<b>LICENSE FEES.</b>		
Foreign:		
Hotels and Taverns ... ..	1,000	
<i>Carried forward</i> ... ..	1,000	540,800

# BUDGET.

to 31st December 1899.

## ORDINARY EXPENDITURE.

POLICE CHARGES.					Tls.	Tls.
<i>Pay:—Foreigners.</i>						
1	Captain-Superintendent	...	...	6,000		
1	Deputy Superintendent	...	...	4,000		
1	Chief Inspector	...	...	2,220		
4	First-class Inspectors	...	...	5,050		
1	Second-class "	...	...	1,098		
9	First-class Sergeants	...	...	7,410		
8	Second-class "	...	...	6,148		
10	Third-class "	...	...	7,136		
11	First-class Constables	...	...	7,245		
10	Second-class "	...	...	5,942		
17	Third-class "	...	...	9,331		
1	Storekeeper and Drill Instructor	...	...	1,220		
1	Traffic Inspector	...	...	1,200		
75—					64,000	
<i>Sikhs.</i>						
1	Jemadar	...	...	275		
4	Sergeants	...	...	745		
105	Constables	...	...	14,900		
5	Troopers	...	...	710		
115—					16,630	
<i>Chinese.</i>						
22	Sergeants	...	...	2,830		
405	Constables	...	...	36,935		
15	Station Interpreters	...	...	1,890		
3	Shroffs	...	...	715		
445—					42,370	
<i>Detectives.</i>						
1	Intelligence Officer	...	...	2,400		
1	Detective Inspector	...	...	1,200		
2	Detective Sergeants	...	...	1,505		
1	" Constable	...	...	700		
4	" Native Sergeants	...	...	890		
29	" " Constables	...	...	4,705		
38—					11,400	
<i>Office Staff.</i>						
3	Clerks and Interpreters	...	...	2,314		
1	Writer	...	...	356		
4—					2,670	
677	Total.					
<i>Carried forward</i>					137,070	

MUNICIPAL BUDGET—*continued.*

## ORDINARY INCOME.

		Tls.	Tls.
<i>Brought forward</i>	...	1,000	540,800
<b>LICENSE FEES—<i>continued.</i></b>			
<i>Foreign and Native:</i>			
Billiard and Bowling Saloons	... .. 140		
Theatres, Concerts, etc.	... .. 2,000		
Livery-stables	... .. 20,100		
Carts and Waggons	... .. 5,900		
Cargo and Ferry Boats	... .. 4,800		
Steam Launches	... .. 1,240		
Butchers' Shops and Stalls	... .. 1,200		
Private Vehicles	... .. 15,000		
		50,380	
<i>Native:</i>			
Shops or Stores for selling Foreign liquors	2,070		
Wine-shops, Restaurants, etc.	... .. 5,200		
Opium-shops and Stores	... .. 48,000		
Tea-shops	... .. 4,400		
Pawn-shops	... .. 7,350		
Jinrickshas	... .. 55,000		
Wheel-barrows	... .. 24,400		
Water-carts	... .. 200		
Sampans	... .. 1,600		
Boats	... .. 3,900		
		152,120	
			203,500
Slaughter-house Fees	... .. 1,800		
Cattle-shed Fees	... .. 7,300		
Market Fees	... .. 13,900		
			23,000
<i>Carried forward</i>	...	.....	767,300

MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ...	137,070	
<b>POLICE—<i>continued.</i></b>		
Messengers, punkah coolies and coolies (exclusive of Carter Road Station) ... ..	1,300	
<i>Passages, Bonus and Merit Pay:</i>		
Passages and bonus to time-expired members of the Force ... ..	4,620	
Merit Pay—Foreigners and Sikhs ... ..	3,810	
	8,430	
<i>Medical Aid:</i>		
Medicines ... ..	700	
Hospital Charges ... ..	2,000	
	2,700	
<i>Insurance:</i>		
On all stations (exclusive of Carter Road Station)	600	
<i>Clothing:</i>		
For the Force (exclusive of Carter Road Station)...	15,000	
<i>Funeral Expenses:</i>		
Provision for ... ..	200	
<i>Prisoners—Municipal Station Cells:</i>		
Constables guarding prisoners ... ..	2,280	
Food, clothing, etc. for prisoners ... ..	3,000	
	5,280	
<i>New Gaol:</i>		
Rent ... ..	3,600	
Staff ... ..	3,100	
Uniforms ... ..	620	
Fuel and light, gaol and quarters ... ..	1,480	
Food, clothing, etc. for prisoners ... ..	2,400	
	11,200	
Chinese Tuition for Foreign Staff ... ..	1,000	
Fuel and light (including allowances to Captain and Deputy Superintendents) ... ..	8,220	
Coolie hire for general purposes ... ..	700	
Printing, stationery, newspapers and advertising ...	2,000	
Expenses for catching stray dogs ... ..	1,000	
Miscellaneous charges (including Pew-rents, disinfectants, secret service, night duty expenses, etc. ...	2,500	
<i>Carried forward</i> ...	197,200	

## MUNICIPAL BUDGET—continued.

ORDINARY INCOME.		
	Tls.	Tls.
<i>Brought forward</i> ...	.....	767,300
<i>Carried forward</i> ...	.....	767,300



MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

		Tls.	Tls.
<i>Brought forward</i> ...		197,200	
<b>POLICE—<i>continued.</i></b>			
<i>Stud:</i>			
Ponies for Captain and Deputy Superintendents and Chief Inspector ... ..	720		
Ponies for Police Patrol ... ..	800		
		1,520	
Rent allowances—Captain-Superintendent, Intelligence Officer, etc. ... ..		1,500	
		200,220	
<i>Deduct</i> —Amount estimated to be received from the Mixed Court towards Gaol expenses ...		9,000	
		191,220	
<i>Carter Road Station:</i>			
<i>Pay:</i> 1 Inspector, 1 Foreign Sergeant, 3 Foreign Constables, 1 Sikh Sergeant, 15 Sikh Constables, 6 Sikh Troopers, 14 Chinese Constables, 3 Station Interpreters, 2 Detectives, 2 Messengers ...	8,830		
Stud for Patrol 1,000, Clothing 1,800, Water, Insurance, Fuel and Light, Merit Pay, etc. 1,200 ... ..	4,000		
	12,830		
<i>Deduct</i> —Amount estimated to be received from Residents ... ..	4,000		
		8,830	
<i>Deferred Pay Fund</i> —Provision for ... ..		11,820	
			211,870
<b>SANITARY.</b>			
<b>FOREIGN AND NATIVE HOSPITALS.</b>			
General Hospital ... ..		2,000	
Isolation Hospital, Plague and Fumigation Stations ...		500	
Hospitals for Chinese ... ..		1,000	
Foochow Road Hospital ... ..	1,100		
<i>Less</i> —Amount estimated to be received ... ..	600		
		500	
Pasteur Institute ... ..		1,300	
<i>Carried forward</i> ...		5,300	211,870



MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ...	5,300	211,870
<b>SANITARY—<i>continued.</i></b>		
<b>MEDICAL.</b>		
<i>Pay:</i>		
Officer of Health ... .. 5,100		
Less—Charged to Foochow Road		
Hospital and Pasteur Institute... 1,200		
	3,900	
Municipal Surgeons, including attendance on families ... .. 2,250		
Secretary, Sanitary Board ... .. 300		
Veterinary Surgeons ... .. 1,500		
Expenses collecting native death rate returns ... .. 380		
Native Staff at Laboratory ... .. 660		
Laboratory: Fuel and light, stationery, etc. ... .. 200		
Instruments and miscellaneous charges 400		
	600	
Vaccine Station: Purchase of calves, etc. ... 200		
Stud—Pony for Officer of Health ... 180		
Rent allowance for " " ... 450		
	10,420	
Less—Amount estimated to be received for Bills of Health, Analysis fees and Vaccine lymph... .. 900		
	9,520	
<b>NURSING HOME.</b>		
Pay of Nurses ... .. 3,000		
Rent ... .. 720		
Mess Expenses, servants' wages, fuel and light... 1,000		
Uniforms, stationery, etc. ... .. 200		
	4,920	
Less—Amount estimated to be received for fees ... .. 1,500		
	3,420	
<i>Carried forward</i> ...	18,240	211,870

## MUNICIPAL BUDGET—continued.

ORDINARY INCOME.

	Tls.	Tls.
<i>Brought forward</i> ...	.....	767,300
<i>Carried forward</i> ...	.....	767,300

MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

		Tls.	Tls.
<i>Brought forward</i> ...		18,240	211,870
<b>SANITARY—<i>continued.</i></b>			
<b>NUISANCE.</b>			
<i>Pay :</i>			
Sanitary Inspector, 9 months ... ..	1,800		
Assistant Inspector ... ..	1,727		
6 Foreign Overseers ... ..	5,884		
9 Indian " ... ..	2,760		
1 Interpreter and Writer ... ..	420		
Storekeeper and Office coolie ... ..	256		
	<u>12,847</u>		
<i>Labour :</i>			
Alleyways, cleaning and disinfecting	17,400		
Dog-kennels " " " " " "	60		
Latrines and Urinals, cleaning and disinfecting, rent, insurance and gas ... ..	<u>2,800</u>		
	20,260		
Passage of Sanitary Inspector from London ...	900		
Uniforms, boots and medicines for overseers ...	900		
Disinfectants ... ..	1,600		
Brooms, jinricksha hire, etc. ... ..	700		
<i>Stud :</i>			
Ponies for Sanitary Inspector ...	360		
" " disinfectant carts ...	<u>500</u>		
	860		
	<u>38,067</u>		
<i>Deduct</i> —Amount estimated to be received from sale of night-soil ... ..	28,247		
		9,820	
		<u>28,060</u>	
<b>MARKETS, SLAUGHTER-HOUSE AND CATTLE-SHEDS.</b>			
Pay of Inspector ... ..	2,000		
" 2 Assistant Inspectors ... ..	2,700		
" Native Staff ... ..	1,320		
Fire insurance, fuel and light, brooms, disinfectants, etc. ... ..	<u>1,200</u>		
	7,220		
<i>Carried forward</i> ...	7,220	28,060	211,870

## MUNICIPAL BUDGET—continued.

## ORDINARY INCOME.

	Tls.	Tls.
<i>Brought forward</i> ...	.....	767,300'
<i>Carried forward</i> ...	.....	767,300

MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ... 7,220	28,060	211,870
<b>SANITARY—<i>continued.</i></b>		
<b>MARKETS, SLAUGHTER-HOUSE AND CATTLE-SHEDS</b> <i>continued.</i>		
<i>Cattle-sheds.</i>		
Pay of Native Staff... .. 540		
Fodder, disinfectants, insurance, etc. ... 400		
	940	
<i>Stud</i> —2 ponies for Inspector ... .. 360		
	8,520	36,580
<b>WATER SUPPLY.</b>		
Supply of water for Municipal purposes ... ..	.....	14,000
<b>LIGHTING.</b>		
<i>Gas :</i>		
For a portion of the Settlement and a portion of the Outside Roads ... ..	12,500	
<i>Electric Light :</i>		
For a portion of the Settlement and a portion of the Outside Roads ... ..	35,250	
Oil and Lamps for lighting West Hongkew District ...	1,000	48,750
<b>TELEPHONE LINES.</b>		
Maintenance of all lines by contract ... ..	.....	2,000
<b>ENGINEER AND SURVEYOR'S OFFICE.</b>		
<i>Pay—Foreign Staff :</i>		
Engineer and Surveyor ... .. 7,200		
Assistant Engineer and Surveyor ... .. 3,000		
4 Assistants and 1 temporary Assistant ... 6,850		
Inspectors of works and drainage ... .. 4,100		
4 District Overseers ... .. 5,040		
Engineer in charge of machinery and Boiler Inspector ... .. 1,200		
	27,390	
<i>Carried forward</i> ...	27,390	313,200

## MUNICIPAL BUDGET—continued.

### ORDINARY INCOME.

	Tls.	Tls.
<i>Brought forward</i> ...	.....	767,300
<i>Carried forward</i> ...	.....	767,300



MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ...	27,890	313,200
<b>ENGINEER AND SURVEYOR'S OFFICE—</b>		
<i>continued.</i>		
<i>Pay—Native Staff:</i>		
Writer ... ..	360	
Tracer ... ..	336	
Office boy and messengers ... ..	374	
	1,070	
Jinricksha hire for Foreign Staff ... ..	650	
Fuel and light, including Engineer's allowance... ..	760	
Stationery, printing, newspapers, office necessities		
and miscellaneous charges ... ..	1,900	
<i>Stud</i> —Ponies for use of Department ... ..	540	
	3,850	
		32,310
<b>PUBLIC WORKS.</b>		
<i>Bridges:</i>		
General repairs ... ..	1,000	
<i>Buildings:</i>		
General repairs and alterations to Police		
Stations ... ..	3,000	
General repairs to Municipal buildings and		
maintenance of compound ... ..	2,500	
General repairs to Cattle-sheds, Slaughter-		
houses, Public School, etc. ... ..	3,500	
New Gaol: alterations to building and		
making up approach road ... ..	2,800	
	11,800	
<i>Bundings:</i>		
General repairs ... ..	1,000	
<i>Drainage:</i>		
Iron gully and manholes covers ... ..	2,000	
West Hongkew District ... ..	3,000	
Li " " ... ..	2,000	
	7,000	
<i>Carried forward</i> ... ..	7,000	
	13,800	345,510

## MUNICIPAL BUDGET—continued.

ORDINARY INCOME.

		Tls.	Tls.
<i>Brought forward</i>	...	.....	767,300

Carried forward	...	.....	67,300
-----------------	-----	-------	--------

MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ... 7,000	13,800	345,510
<b>PUBLIC WORKS—<i>continued.</i></b>		
<i>Drainage—continued.</i>		
Subsidiary drains, cleaning and repairing ... 1,500		
Renewing street gullies throughout the Settlement ... 5,000		
	13,500	
<i>Deduct</i> —Amount estimated to be received in fees for supervising private drainage ... 1,500		
Amount estimated to be received for permit fees ... 800		
	2,300	
	11,200	
<i>Landing-stages :</i>		
General repairs to jetties, landing-stages and pontoons ...	5,000	
<i>Latrines and Urinals :</i>		
Construction and general repairs ...	2,000	
<i>Creeks :</i>		
Working expenses of steam dredger ...	2,000	
<i>Roads :</i>		
Granite chips, sand and broken bricks ... 40,000		
Kerbs and channels ... 5,000		
Chip-pavements ... 4,000		
Street pavements ... 5,000		
Labour ... 16,000		
Working expenses of steam road-rollers and stone breaker ... 3,000		
Bund foreshore, maintenance and renewing turf ... 1,500		
Boundary stones ... 200		
Street name-plates, brooms, barriers and miscellaneous expenses ... 1,500		
Rent of Thibet Road Chip-yard ... 750		
<i>Stud</i> —Ponies for Works ... 3,420	80,370	
<i>Carried forward</i> ...	114,370	345,510



MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward ...</i>	114,370	345,510
<b>PUBLIC WORKS—<i>continued.</i></b>		
<i>Cleaning and Scavenging Branch :</i>		
Pay : Inspector of Roads ...	1,860	
2 Foreign Assistants ...	2,160	
1 Indian Overseer ...	360	
Office Writer ...	144	
	<u>4,524</u>	
<i>Garbage Removal : Contract \$600 per month ...</i>	5,330	
Labour : Collecting garbage, sweeping roads and removing sand from side-channels ...	15,360	
Cleaning gullies ...	2,890	
Watering roads of Settlement and Outside Roads ...	4,100	
	<u>27,680</u>	
Jinrickshas for overseers, medicines, uniforms, etc. ...	470	
Disinfectants ...	500	
Miscellaneous charges ...	1,500	
<i>Stud—Pony for Inspector of Roads...</i>	360	
Ponies for removal of garbage and for watering roads ...	15,120	
Leather washers and cart-grease ...	500	
	<u>15,980</u>	
	50,654	
<b>PUBLIC RECREATION GROUND</b>		
Rent : interior of Race Course ...	600	
Maintenance, levelling and rolling turf ...	3,400	
	<u>4,000</u>	
<i>Carried forward ...</i>	169,024	345,510

## MUNICIPAL BUDGET—continued.

### ORDINARY INCOME.

	Tls.	Tls.
<i>Brought forward ...</i>	.....	767,300
<i>Carried forward ...</i>	.....	767,300

MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ...	169,024	345,510
<b>PUBLIC WORKS—<i>continued.</i></b>		
<b>OUTSIDE ROADS.</b>		
Maintenance ... ..	6,000	
Chinese Government ground-tax ... ..	300	
Granite chips, sand and broken bricks ... ..	4,000	
Trapped gullies ... ..	1,000	
Work on Yangtze-poo road to the "Point" ... ..	1,000	
Constructing hardwood bunding near old Cemetery road bridge ... ..	1,800	
<i>Stud</i> —Ponies for work on roads ... ..	900	
	15,000	
<b>PUBLIC GARDENS.</b>		
Pay of Gardener ... ..	1,500	
Maintenance of Gardens ... ..	3,100	
" " Hongkew Park ... ..	500	
	5,100	
<b>CEMETERIES.</b>		
Sexton for all Cemeteries, and allowance for chair coolies ... ..	240	
Care of all Cemeteries and Cathedral compound ... ..	2,000	
Chinese Government ground-tax ... ..	350	
Tool-house for Bubbling Well Cemetery ... ..	500	
Trees and seats " " " " ... ..	300	
Re-erecting Boundary fence old Cemetery ... ..	300	
General repairs ... ..	1,000	
	4,690	
<i>Deduct</i> —Amount estimated to be received for vaults, grave-spaces and cremations ... ..	600	
	4,090	
		193,214
<i>Carried forward</i> ...	.....	538,724

## MUNICIPAL BUDGET—*continued.*

---

### ORDINARY INCOME.

---

	Tls.	Tls.
<i>Brought forward</i> ...	.....	767,300

<i>Carried forward</i> ...	.....	767,300
----------------------------	-------	---------

---



MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ...	.....	538,724
<b>SECRETARIAT.</b>		
<i>Pay—Foreign :</i>		
Secretary ... .. 7,200		
Assistant Secretary ... .. 3,600		
Accountant ... .. 3,900		
Sub-Accountant ... .. 3,100		
Assistant, General Office ... .. 2,400		
	20,200	
<i>Dues Office :</i>		
Assistant ... ..	3,000	
<i>Tax Office :</i>		
Overseer of Taxes ... .. 3,300		
Assistant Overseer of Taxes (11 months) ... 1,925		
Inspector of Vehicles ... .. 1,440		
7 Collectors ... .. 12,900		
	19,565	
<i>Pay—Native Staff :</i>		
Translator, Secretary's Office ... .. 530		
Assistant, Tax ... .. 900		
„ Accountant's „ ... .. 300		
Compradore and Staff ... .. 4,300		
Writers ... .. 1,530		
Sampan-men employed under Tax Office ... 430		
Servants, Municipal Offices and watchman 804		
Jinrickshas for Tax Collectors, etc. ... 600		
Coolies, Punkahmen, etc. ... .. 131		
	9,525	
<i>Stud—Pony for Tax Collector</i> ... ..	216	
		52,506
<i>Carried forward</i> ...	.....	591,230

MUNICIPAL BUDGET—*continued.*

---

ORDINARY INCOME.

---

	Tls.	Tls.
<i>Brought forward ...</i>	.....	767,300

<i>Carried forward ...</i>	.....	767,300
----------------------------	-------	---------

---

MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ...	.....	591,230
<b>GENERAL CHARGES.</b>		
Legal expenses ... ..	3,500	
Audit fee ... ..	500	
Semaphore Service, Contribution towards expenses ...	1,200	
Insurance on Municipal buildings ... ..	200	
Fuel and light, Municipal offices (including Secretary's allowance) ... ..	1,060	
Stationery, advertising, printing, newspapers and postage	7,500	
Pew-rents for 7 sittings, Trinity Cathedral and Relief of Poor ... ..	344	
Uniforms and Medicines for tax collectors ... ..	700	
Miscellaneous charges ... ..	1,036	
		16,040
<b>FIRE DEPARTMENT.</b>		
Contribution ... ..	.....	13,000
<b>VOLUNTEERS.</b>		
Maintenance ... ..	.....	16,000
<b>PUBLIC BAND.</b>		
Maintenance ... ..	.....	9,000
<b>SHANGHAI LIBRARY.</b>		
Contribution ... ..	.....	1,000
<i>Carried forward</i> ...	.....	646,270

## MUNICIPAL BUDGET—continued.

## ORDINARY INCOME.

	Tls.	Tls.
Brought forward ...	.....	767,300
Carried forward ...	.....	767,300

MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ...	.....	646,270
<b>SHANGHAI MUSEUM.</b>		
Contribution ... ..	.....	500
<b>EDUCATION GRANTS.</b>		
Thomas Hanbury School and Children's Home ...	1,500	
French Orphanage ... ..	1,000	
Shanghai Public School ... ..	4,000	
St. Xavier's School ... ..	1,500	
		8,000
<b>INTEREST.</b>		
On Municipal Debentures ... .. 60,865		
Less—Chargeable to Electrical Department 11,775		
	49,090	
On Police and Tax Collectors' Savings Banks ... ..	1,800	
	50,890	
Less—Estimated to be received on Trust Funds, daily balance at Bank, etc. ... ..	2,500	
		48,390
<b>MUNICIPAL DEBENTURES SINKING FUND.</b>		
For repayment of proportionate amount of Debentures outstanding ... ..	.....	45,800
<i>Carried forward</i> ...	.....	748,960

## MUNICIPAL BUDGET—continued.

## ORDINARY INCOME.

[illegible]

MUNICIPAL BUDGET—*continued.*

## ORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Brought forward</i> ...	.....	748,960
<b>STOCK AND STORES.</b>		
All Departments ... ..	15,850	
Less—Estimated profit on sale of materials ...	6,000	
		9,850
<b>LAND AND BUILDINGS.</b>		
Police Station: New Beggar-cells at West Hongkew Station ... ..	750	
New Boundary wall, Carter Road Station ...	300	
Mafoos' Quarters and fodder stores, Carter Road Station ... ..	450	
	1,500	
Cattle-shed Property: Erecting Dog-kennels ... ..	500	
Foochow Road „ „ boundary-wall ... ..	500	
Re-erecting 2 steam-roller sheds ... ..	700	
Rifle Range Road: Raising Cadastral Lot 476 ...	1,600	
		4,800
ESTIMATED SURPLUS on Ordinary Budget 1899 ...	.....	763,610
		3,690
	TAEELS ...	767,300

## MUNICIPAL

1st January to

## EXTRAORDINARY INCOME.

[illegible]



# BUDGET.

31st December 1899.

## EXTRAORDINARY EXPENDITURE.

	Tls.	Tls.
<i>Expenditure :</i>		
Deficit on "Extraordinary" Account 1898, brought forward ... ..	.....	2,404.58
<i>Bridges :</i>		
Chapoo Road bridge, balance of cost of construction	14,000	
Thibet " " " " " "	9,500	
Bridge across Defence Creek at Cemetery road ...	2,000	
		25,500.00
<i>Bundings :</i>		
Bunding Soochow Creek between North Fuhkien and North Chekiang roads ... ..	.....	5,000.00
<i>Landing-stages :</i>		
Constructing jetties at Jansen and Wetmore Roads	600	
" pontoon and jetty at Kungping Road	5,000	
" jetties for removal of garbage through-out the Settlement ... ..	7,500	
		13,100.00
<i>Buildings :</i>		
Public Market and Drill Hall, balance of cost of building ... ..	23,500	
New Police Station at Seward Road (Wayside) on B.C. Lot 1469 ... ..	12,000	
Tunsin property, Hankow Road, new quarters: balance of cost of building ... ..	15,600	
New Truck-house for "Victoria" Co., S.F.D. ...	3,000	
		59,100.00
<i>New Steam-Engine and Fire Escape :</i>		
For use of Fire Department ... ..	.....	6,000.00
<i>New Roads :</i>		
For acquiring, widening, extending and making up new roads during 1899 ... ..	.....	30,000.00
<i>Land :</i>		
Purchase of site adjoining Wayside Police Station	.....	3,500.00
		144,604.58
ESTIMATED SURPLUS ON "EXTRAORDINARY" ACCOUNT, 1899 ... ..	.....	395.42
	TALS ...	145,000.00



## FOR 1893, AS COMPARED WITH THE BUDGET AUTHORIZED AT

10TH AND 11TH MARCH 1893.

	Estimated.	Actual.	Increase.	Decrease.
<b>ORDINARY EXPENDITURE.</b>	<b>Tls.</b>	<b>Tls. cts.</b>	<b>Tls. cts.</b>	<b>Tls. cts.</b>
Police .. .. .	181,140	182,382.32	1,242.32	..
Relief of Poor .. .. .	200	173.78	..	26.22
Hospitals .. .. .	5,200	4,623.19	..	576.81
Sanitary :				
Medical .. .. .	9,110	11,352.05	2,242.05	..
Nursing Home .. .. .	3,470	2,902.95	..	567.05
Nuisance .. .. .	64,120	63,339.96	..	780.04
Markets, Slaughter-house and Cattle-sheds	7,260	7,108.04	..	151.96
Water supply .. .. .	14,000	13,086.17	..	913.83
Lighting .. .. .	46,200	46,798.53	598.53	..
Telephone Lines .. .. .	1,450	1,834.09	384.09	..
Engineer and Surveyor's Office .. .. .	33,870	37,253.29	3,383.29	..
Public Works .. .. .	122,060	139,295.09	17,235.09	..
Public Recreation Ground .. .. .	4,000	5,370.26	1,370.26	..
Public Park, Hongkew .. .. .	..	3,873.72	3,873.72	..
Inspection of Boilers .. .. .	480	480.00	..	..
Outside Roads .. .. .	14,030	17,306.32	3,276.32	..
Public Gardens .. .. .	3,600	3,172.57	..	427.43
Cemeteries .. .. .	2,980	3,634.10	554.10	..
Secretariat .. .. .	45,440	46,401.73	961.73	..
General Charges .. .. .	16,204	16,981.02	777.02	..
Fire Department .. .. .	10,000	10,378.10	378.10	..
Volunteers .. .. .	12,500	16,486.58	3,986.58	..
Public Band .. .. .	8,000	7,636.61	..	363.39
Shanghai Library .. .. .	1,000	1,000.00	..	..
Shanghai Museum .. .. .	500	500.00	..	..
Education Grants .. .. .	11,500	11,500.00	..	..
Interest .. .. .	41,840	39,490.36	..	2,349.64
Loans .. .. .	37,000	37,000.00	..	..
Stock and Stores .. .. .	13,100	10,894.59	..	2,205.41
Land and Buildings .. .. .	7,114	10,943.44	3,829.44	..
	717,368	753,098.86	44,092.64	8,361.78
<b>ESTIMATED SURPLUS</b> .. .. .	475	..	..	..
<b>DEFICIT</b> .. .. .	..	171.19	..	..
<b>Total ..</b>	<b>717,843</b>	<b>753,270.05</b>	<b>44,092.64</b>	<b>8,361.78</b>

