The sixth annual report of the health, sanitary condition, etc., etc., of the District of Woolwich for the year 1894.

Contributors

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SIXTH ANNUAL REPORT

OF THE

HEALTH, SANITARY CONDITION, ETC., ETC.,

OF THE

DISTRICT OF WOOLWICH,

FOR THE YEAR 1894,

BY

WILLIAM R. SMITH, M.D., D.Se., F.R.S.Ed.,

Barrister-at-Law.

Professor of Forensic Medicine in King's College London,

MEDICAL OFFICER OF HEALTH.

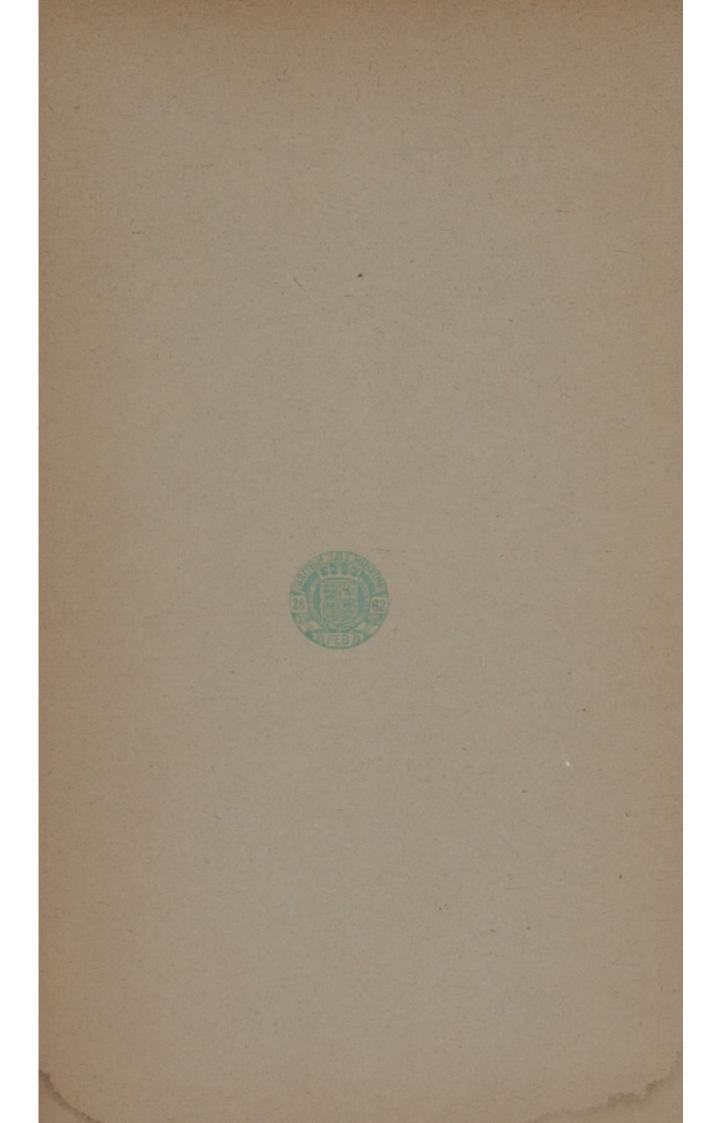
eloolwich:

C. MITCHELL JACKSON, 3, CROSS STREET, GREEN'S END.

1895.







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THE PUBLIC HEALTH COMMITTEE

OF THE

WOOLWICH LOCAL BOARD OF HEALTH.

ROBERT GREEN, Esq., 2, Hare Street, Woolwich, Chairman.

A. PENFOLD, Esq., J.P., 43. The Common, Woolwich, Chairman of the Board.

The Principal Medical Officer of the Woolwich Military District.

Mr. J. ARNOLD, 50, Samuel Street, Woolwich.

Mr. R. BANNER, 16, Milward Street, Woolwich.

Mr. S. BARNES, 1, The Common, Woolwich.

Mr. W. H. BARTHOLOMEW, 49, Artillery Place, Woolwich.

Mr. G. J. CHAMPION, 35, Church Street, Woolwich.

Mr. W. G. DOWN, 17, Francis Street, Woolwich.

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Mr. A. FENN, 48, Wood Street, Woolwich.

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Major N. M. LAKE, R.E., Royal Engineer's Office, Woolwich.

Mr. D. MARSH, 70, Brewer Street, Woolwich.

Mr. G. W. MITCHELL, 21, Hare Street, Woolwich.

Captain E. E. NORRIS, R.A., 4, Nightingale Place, Woolwich.

Mr. T. R. RICHARDSON, 42, Hanover Road, Plumstead.

Mr. W. J. SQUIRES, 95, Wellington Street, Woolwich.

Mr. J. STRATTON, Wood Street, Woolwich.

Mr. R. J. WARREN, 8, Hare Street, Woolwich.

Mr. W. WOODFORD, 15, Nightingale Place, Woolwich.

TOWN HALL,

WOOLWICH.

26th February, 1895.

To

The Chairman and Members of the Woolwich Local Board of Health.

GENTLEMEN,

I have the honour to submit my report upon the sanitary condition of Woolwich during the year 1894.

Mortality Statistics. There have been 769 deaths during the year, of this number 326 occured in the Dockyard Registration Sub-District and 443 in the Arsenal Registration Sub-District.

The gross death rate for the year estimated upon a population of 41,417 is 18.5 per thousand.

Of these deaths 190 took place in various medical institutions (Table 7) outside the district, in the appended statistical tables they have however been alloted to their proper registration sub-districts, and calculated as if taking place within the sanitary area of Woolwich. Fourteen deaths occurring within the district were of persons not rightly belonging to Woolwich, if these be deducted from the total deaths, the correct number of deaths occurring in Woolwich during the twelve months ending the 31st December, 1894, will be obtained, viz., 755.

Death Rate. The corrected death rate is therefore 18.2 per thousand.

The following table shows the corrected death rate yearly, since the appointment of a Medical Officer of Health for the district, on the 29th October, 1889.

1890	 	 20.2
1891	 	 21.6
1892	 	 19.5
1893	 	 19.7
1894	 	 18.2

The death rate for the year, which I believe is the lowest on record for the district, bears striking testimony to the success of the efforts which have been made during the past few years to better the conditions under which the inhabitants live, and although it is true the mortality rate for the whole of London during the past year is low, yet it is satisfactory to specially draw attention to this fact.

I do not wish to attach undue weight to this fact of a low mortality rate for the year, but I think it may be taken as an indication of an improved condition of things.

I have appended tables Nos. 9 and 10, which show comparatively the position taken by Woolwich in this respect to other large towns, and to the various Metropolitan Sanitary Districts.

Of these total deaths 290 were of children under 5 years of age, and 465 of persons above that age, of the 290 children, 177 were of infants under one year of age. Here again an improvement is to be noted over the preceding years as illustrated by the following table, the deaths of infants under one year being less than in preceding years.

	Т	otal Death	S.	Deaths under one year.	Deaths between the ages of one & five ye	f
1890		838		215	 141	
1891		885		222	 117	
1892		806		198	 95	
1893		828		210	 105	
1894		755		177	 113	

In table 5 will be found a comparison of the deaths occurring in the sanitary district of Woolwich during the years 1892, 1893, and 1894, distinguishing those under 5 years of age and those over 5 years of age.

Zymotic Death Rate. The deaths from all causes during the year included 39 from Measles, 22 from Scarlet Fever, 19 from Diarrhœa, 14 from Diptheria, 8 from Whooping Cough, 5 from Typhoid Fever, 4 from Influenza, 2 from Small Pox, and 1 from Croup, in all 114 deaths from diseases classified by the Register General as Specific Febrile or Zymotic. This is equivalent to a Zymotic death rate of 2.6 per thousand.

The deaths from Measles, Scarlet Fever and Diphtheria are in excess of those from the same causes last year, when they were respectively 14, 15 and 6.

The Zymotic death rate for the past five years is as follows:

1890	 11	 2.8
1891	 	 2.8
1892	 	 2.4
1893	 	 2.6
1894	 	 2.6

Phthisis Mortality, etc. In class IV. 126 deaths are recorded as arising from some form of tubercular disease, of which number 54 occurred in the Dockyard Registration Sub-District, and 72 in the Arsenal Registration Sub-District.

The great difference between these numbers is occasioned by the deaths from Tabes Mesenterica, Tubercular Meningitis and Hydrocephalus, amounting to 10 in the Dockyard Registration Sub-District and 25 in the Arsenal. 28 of such deaths were of children under 5 years of age and 5 of the remaining 7 were between the ages of 5 and 15.

The deaths registered during the past five years as arising from Tubercular causes were as follows:

1890	 	 126
1891	 	 139
1892	 	 112
1893	 	 121
1894	 	 126

I have in previous reports drawn marked attention to the mortality from Tubercular causes in the district, and indicated its grave importance.

There is no doubt that in most, if not all of the older houses of the district, there is no provision to prevent dampness, and especially is this the case with the houses in North Woolwich.

The Sanitary Authority must insist upon all proper means being adopted to remedy this very great evil, fraught as it is with the most serious injury to health.

In class 6, including the deaths from Laryngitis there will be found to be 133 deaths, 55 of these occurred in the Dockyard Registration Sub-District and 78 in the Arsenal Registration Sub-District. In 1892 there were 188 such deaths and in 1893, 168 deaths.

Sex Mortality. Of the total deaths in the Arsenal Registration Sub-District there were 230 males and 213 females, in the Dockyard Registration Sub-District 168 males and 158 females, or in other words, of the 769 total deaths in the whole district 398 were of males and 371 of females. 151 deaths were of persons over 60 years of age.

Births & The number of births registered during the year were Birth Rate.

1265. Of these 12 were recorded as illegitimate.

The birth rate is therefore 30'5

For the past five years the birth rate has been as follows:

1890	 	 30.6
1891	 	 32.7
1892	 	 29.9
1893	 	 31.3
1894	 	 30.2

Marriages. There have been 585 marriages registered during the year, 120 in the first quarter, 136 in the second, 151 in the third and 178 in the fourth.

Inquests & Suicides. There have been 77 Inquests during the year. There have been 9 Suicides as follows:—Cut throat 2, Hanging 2, Poison 2, Shooting 1, and Drowning 1.

Mortuary. 64 bodies were received into the Mortuary, of which 48 were of persons resident in the district and 16 non-resident.

Infectious
Diseases.

During the year 327 cases of Infectious disease have been notified as follows:

Arsenal Dockyard

s follows :—	Arsenal Sub-District.	Dockyard Sub-District.	Total.
Scarlet Fever	 142	73	. 215
Diphtheria	 25	24	49
Erysipelas	 18	12	30
Typhoid	 11	3	14
Small Pox	 9	6	15
Puerperal Fever	 3		3
Typhus	 I		1
Total	209	118	327

Of these 327 cases, 212 were removed to Hospital, as follows:-

	Arsenal Sub-District.	Dockyard Sub-District.	Total.
Scarlet Fever	 106	57	163
Diphtheria	 13	- 11	24
Typhoid Fever	 9	0	9
Small Pox	 9	6	15
Typhus Fever	 1		1
Total	138	74	212

In other words, the following cases were treated at home in their respective districts:—

	5	Arsenal Sub-District.	Dockyard Sub-District.	Total.
Scarlet Fever		36	16	52
Diphtheria		I 2	13	25
Erysipelas		18	I 2	30
Typhoid Fever		2	3	5
Puerperal Fever	***	3		3
Total		71	44	115

I note with satisfaction the greatly increased number of infectious cases which proceed to Hospital, but I still think the number treated at home is in excess of what might reasonably be expected. The privileges offered to the inhabitants, of free admission to the hospitals of the Metropolitan Asylums Board is a great boon, and one which it is somewhat surprising is not availed of to its fullest extent. There have however, during the past year been difficulties in the admission of cases owing to the accommodation at the disposal of the Asylums Board being limited, but I hope when the Brook Hospital at Shooter's Hill is opened we shall no longer experience this drawback.

The total amount of Infectious Disease present in Woolwich during the year has been much less than in 1893 when 426 notifications were

received, the following table will show the prevalence of the principal zymotic diseases during the past five years.

	1890	1891	1892	1893	1894
Scarlet Fever	 100	 80	 338	 259	 215
Diphtheria	 10	 8	 17	 24	 49
Typhoid Fever	 16	 II	 18	 25	 14
Small Pox			2	 61	 15

This table is interesting as showing the great increase in the incidence of Scarlet Fever and Diphtheria of recent years, the cause or causes of this it is most difficult to determine, indeed on reference to the returns of the Metropolitan Asylums Board we find this increase is progressive in London so far as Diphtheria is concerned, Scarlet Fever, Typhoid Fever and Small Pox showing a diminution in 1894; the notifications received by that Board for the corresponding five years were as follows:—

	1890	1891	1892	1893	1894
Scarlet Fever	15330	11398	27095	36901	10655
Diphtheria	5870	5907	7781	13026	18440
Typhoid Fever	2877	3372	2465	3663	3360
Small Pox	60	114	423	2813	1192

The increased incidence of Diptheria in London is a question of gravest moment, for many years this disease was looked upon as one peculiar to rural localities, but of recent years it has made serious and fatal inroads upon urban districts, and for some hitherto unexplained reason it appears to have become more prevalent in the South and South Eastern part of England, while its incidence has been less in the Northern and Western part; the increased incidence of this disease in London has imposed upon the Asylums Board the necessity of providing proper Hospital Accommodation for its treatment, which implies wards containing a less number of beds with greater cubic capacity and more expensive administration.

We know now more of the cause of Diphtheria than we did, we know that it is associated with the growth of an organism which in the throat finds exactly those conditions most favourable to its development viz., heat, moisture, and a free current of air, and we know further that in its growth it gives rise to a certain chemical product which on its absorption into the system causes those after symptoms with which we are familiar, such as paralysis and the like. From the satisfactory statistical evidence forthcoming it is sincerely to be hoped that in the antitoxic serum treatment a remedy has been found for this serious disease, and it is satisfactory to note that the Metropolitan Asylums Boards have taken every step necessary to ensure that right conclusions may be arrived at on this important subject.

One thing, however, still remains to be done, and that is to give the Medical Practitioners of a district facilities for knowing by Bacteriological examination whether or not they are dealing with cases of Diphtheria; doubtless many cases of sore throat of a Diptheritic nature escape notice for some time, during which the patient may be infecting other persons. The Local Government Board have recently made arrangements by which Medical Officers of Health may obtain information of this nature in the earlier cases of any given outbreak, but it is not the Medical Officers of Health who want the facilities but the ordinary Medical Attendants in a district. It is to be hoped the Metropolitan Asylums Boards will seek legislative powers to carry out this useful work, for although from a certain standpoint it is desirable to examine such cases before admission to the Metropolitan Fever Hospitals, it is of greater importance from the point of view of the prevention of disease to give facilities for such examination in the case of ordinary sore throat with the view of isolating the case, if diptheritic, at the earliest stage and thus by preventing attendance at school, and in other ways, seek to diminish the prevalence of this formidable complaint.

Small Pox was notified 15 times, by the prompt removal of the cases to Hospital and by the adoption of all proper measures the disease did not spread.

The cases	s were notified	as fol	lows :		rsenal District.	Dockyard. Sub-District.
	January				I	
	February				2	I
	March					I
	April		.,.	,	2	
	May				4	
	July					I
	September					3
		4		-		
					Q	0

The notification of Infectious Diseases still continues to work well and without the slightest friction with the Medical Practitioners of the district.

Disinfection. During the year 6525 articles of clothing, bedding, etc., have been disinfected (Table XVI.)

Sickness returns.

I append a table giving the sickness returns from various sources for the year. (Table XVIII.)

Common. There are 38 common lodging houses in the district. Lodging houses The control of these houses during the past year has been transferred from the Commissioner of Police to the London County Council, they are generally well conducted, and the proprietors continue to evince a desire to co-operate in every way with the Sanitary Officials.

On the evening of Thursday, the 31st January, 1895, the following were the number of persons sleeping in these houses.

Single men			 475
Single wom	en	***	 39
Couples			 79
Children			 18

A total of 690 persons.

The following was the per centage of the available beds occupied in the district on this night:

Single men beds	 	74'32	per	cent.
Single women beds	 	81.25	"	,,
Married couple beds	 	95'4	,,	,,

Slaughter houses. There are 7 slaughter houses licensed in the district and the licencees generally observe all the regulations in force by the London County Council. I regret that during the year your Board came to a decision contrary to the opinion expressed by other Sanitary Authorities as to the desirability of establishing a public abattoir. In the interests of the trade as well as of the inhabitants generally I consider such an establishment is most desirable, for in the one case an undesirable adjunct to the business premises is

removed whilst in the other the opportunity for the regular and systematic inspection of the meat supply of the district is provided.

Bakehouses. These have during the year been systematically visited and compliance with the regulations enforced. There are 42 bakehouses in the district, structurally many of them are most defective, but legally the greatest difficulties exist for abolishing them.

Rag & Bone Shops. These have been regularly visited and have called for no special action on the part of the officials.

Cow Sheds, There are three licensed cow sheds in the district, these Milk shops &c. together with the milk shops, &c., have been subjected to constant supervision.

The Market. The market has been systematically visited both by night and day, occasionally only has it been found necessay to seize food as unfit for human consumption, the meat is frequently, however, of poor quality.

Dust collection. The pail system continues to work most satisfactorily. The dust is removed weekly from every house in the district, and from some of the streets in the poorer parts of the town twice or thrice weekly.

The destructor provided by the Board works very satisfactorily both by night and day.

I append in Table XXV. an interesting financial statement prepared by Mr. H. O. Thomas, the Surveyor to the Board, relative to its use.

Housing of the Working Classes Act. The number of houses dealt with under this Act has necessarily not been so large as in previous years. Certificates were however given in reference to 6 houses and these were subsequently demolished.

The question of the provision of better houses for the working classes is one which must soon seriously occupy the attention of your Board

even if the time has not now arrived. Many improvements which have of late years been made in Woolwich such as the erection of Board Schools in Mulgrave Place, the erection of the Baths in Market Street, etc., have resulted in the demolition of a large number of houses, but as will be seen by reference to the following figures there is no total diminution in the number of houses in the district. for other houses have been built.

Number of Houses Built ... 207 Number Demolished ... 83 | See Table XXVI.

In Woolwich there are however a large number of old and delapidated houses, destitute of such sanitary conveniences as are in the present day expected in houses for the poorer classes, which by being patched up, of times in a prefunctory manner, are enabled to escape out of my hands, but which remain eminently unsatisfactory and a constant source of trouble and anxiety, of this class examples may be found in the houses of Callis Alley. Rush Grove and part of Artillery Place, to some of these attention was recently somewhat prominently directed.

In such a case I think it will be generally admitted that the officials of the Sanitary Authority or even the Sanitary Authority itself should receive any information which gives the impression, rightly or wrongly, of Insanitation, first hand, and not through the columns of the newspapers.

The clergy have opportunities of an exceptional character of rendering very real service to the Sanitary Officials in the anxious duties they have to perform, to mention, as example only, the case of overcrowding. The church worker or missionary has a certain limited area under his care, he knows or should know every occupant of every house or room in that area, and he can thus speak with authority on the subject of the number of occupants of a room, when information of a wholly untrustworthy nature is given to the Sanitary Inspector in answer to his enquiries from persons interested in concealing the true state of things.

Underground Rooms. The question of underground rooms as dwelling rooms has been under serious consideration so far as Woolwich is concerned, the present stringent regulations on this subject will I think

have the effect of abolishing the use of all these places—and here again an additional argument will be found to press forward the consideration of the proper housing of the working classes—for I venture to think it will be impossible for your Board to relax the regulations as laid down by the Public Health Act, and I certainly shall be unable from a Public Health point of view to advise any such course to be adopted.

Houses let in Lodgings. I regret that the By-laws relative to these have not yet received the approval of the Local Government Board, but when in force I am glad to know we shall have more power for dealing effectively with the houses which will rightly become amenable to them.

It will probably be necessary to employ additional help to obtain proper measurments of rooms in houses recommended for registration, and it certainly will be necessary that a re-arrangement of the duties of the Sanitary Inspectors should be made to enable them to deal with the additional work of inspection imposed thereby.

Sanitary and other Improvements the provision of Public Baths at the cost of £28,000, which were formally opened by the Lord Lieutenant of the County, The Duke of Westminster, K.G., on 11th June, 1894.

They comprise a First-Class Swimming Bath having a superficial area of 4,000 square feet, (100 feet in length and 40 feet in breadth,) containing 127,000 gallons of water. A Second-Class Swimming having a superficial area of 3,600 square feet, (90 feet in length and 40 feet in breadth,) containing 113,000 gallons of water. These Baths are provided with dressing boxes round them, and the First-Class Bath has a gallery to accomodate 500 persons. There are also 52 Private Baths, viz:—Men's First-Class, 10; Women's First-Class, 4; Men's Second-Class, 30; and Women's Second-Class, 8. Since the opening of the Baths till the present time 120,000 persons have used them.

 The foundation stone of the Brook Hospital was laid on 31st July, 1894, during the meeting of The Congress in London of The British Institute of Public Health. The erection of a Fever Hospital on such an eligible site and in close proximity to Woolwich is one of the greatest benefits from a Public Health point of view that has been conferred upon the district, and it is satisfactory to know that the Hospital will be a Model Institution, embodying all modern improvements and that an Ambulance Station will be associated with it.

- 3. The river bank at North Woolwich between the Gardens and the Dock entrance has been improved the pathway being asphalted and planted with trees, seats being also provided.
- 4. Arrangements have been made for the removal of trade refuse, such as Fish Offal, etc., by the provision of air-tight receptacles, trolleys, etc., the refuse being subsequently destroyed in the Destructor.
- 5. Two new vans have been provided in connection with the Disinfecting arrangements of the district, one for the removal of the infected clothing, &c., the second for the purpose of returning the disinfected articles.
- Two fire escapes have been stationed in the district, one at North Woolwich, the other in Beresford Square.
- New labour yards have been opened, one at North Woolwich, the other at Callis Alley.
- 8. A Soldiers' Institute was opened by H.R.H. The Prince of Wales, in Wellington Street.
- 9. The Town Hall was connected with the Telephone System.

Sanitary Requisites.

I would again urge upon the Board the desirability of taking the following points into their consideration.

 The erection of an underground convenience in Beresford Square adequate for the requirements of the district, and on the lines of the admirable structures in other parts of the Metropolis.

- 2. The provision of clerical assistance in the Sanitary Department. This duty, which is now thrown upon the Sanitary Inspectors, interferes greatly with the discharge of their proper duties; the work in this respect, even during the past two years has doubled itself, and every year brings additional labour in keeping fresh books and making returns.
- The necessity for taking steps to extend the provisions of the Infectious Disease Notification Act to the Woolwich Garrison.

Conclusion. In conclusion I would again acknowledge the kindness and consideration I have received from your Board and particularly from the Public Health Committee, to the chairman and members of which I beg to tender my thanks.

The inspectors have continued to discharge their duties satisfactorily. Inspector Mackie, at much personal inconvenience, has rendered valuable aid in the ever increasing clerical work of the department.

It is satisfactory to note year by year the improvements which are taking place in the conditions under which the people of Woolwich live, improvements which must effect results of a far reaching nature and which in the improved death rate, and in other directions, have already been productive of marked results.

I am, Gentlemen,

Your obedient servant,

WILLIAM R. SMITH,

M.D., D.Sc., F.R.S., Ed.,

Medical Officer of Health, and
Public Analyst for Woolwich.

TABLE I. Deaths Registered from all causes in the Year 1894, in the Sanitary Area of Woolwich, including Deaths of Non-Parishioners, also Deaths of Parishioners occurring in various Public Institutions outside the District.

C D						AGES						Total under	Total aged 5	Grand Total	REGIST SUB-DI	
Cause of Death.	Under I Year.	to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 & up- wards.	years of age.	years &	at	Dock- yard.	
(Classes)																
I. Specific Febrile or Zymotic Diseases	34	56	15	8	5	1	2	***	2			90	33	123	57	66
II. Parasitic Diseases	I											1		I	I '	
III. Dietetic Diseases						3		I			,		4	4	I	3
IV. Constitutional Diseases	22	12	13	13	14	41	22	13	9	2		34	127	161	68	93
V. Developmental Diseases	27			***				2	5	10	6	27	23	50	23	27
VI. Local Diseases	56	42	12	22	18	26	33	56	41	25	4	98	237	335	129	206
/II. Deaths from Violence	5	2	3	5 -	6	3	7	5	3	4		7	36	43	15	28
III. Deaths from Ill-defined and Not Specified Causes	33	I		2	2	3	2	3	3	3		34	18	. 52	32	20
Total	178	113	43	50	45	77	66	80	63	44	10	291	478	769	326	443

	TT - 1 - 1					AGE						Total	Total 5	Grand		RATION STRICT.
Cause of Death.	Under I Year.	to 5	5 to 15	15 10 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	& up- wards.	under 5 years.	years &	Total at all ages.	Dock- yard.	Ar- senal.
L—Specific Febrile or Zymotic Diseases																
I.—Miasmatic Diseases. Vaccinated Unvaccinated Not Stated						I 			I				2	2		2
MeaslesScarlet Fever	10	27 12	2 8	2								37 12	2 IO	39 22	23	16 13
Fyphus Whooping Cough Diphtheria	3	5 7	5	 I								8 8		8 14	6	2 8
Simple, Continued, or Ill-defined Fever Enteric or Typhoidnfluenza				3	 I							 I	4	5	2	3
Other Miasmatic Diseases	2 I	1										2 2	2	4 2	2 2	
imple Cholera Diarrhœa, Dysentry 3.—Malarial Diseases.	14	3		 I					 I			17	2	19	6	13
Remittent Fever gue 4.—Zoogenous Diseases,																
ow Pox and Effects of Vaccination ther Diseases (e.g. Hydrophobia, Glanders,							***	***								
Splenic Fever)		***		***	***	***	***		***							
onorrhœa, Stricture of the Urethra 6.—Septic Diseases.	2								***	•••	***	2	2	4	I	3
rysipelas	. I				I		 I					I	I 2	2 2		2 2
uerperal Fever					***				***			***				

						AGES	S.					Total	Total 5	Grand	REGIST SUB-DI	RATION STRICT
Cause of Death.	Under	to	5 to	to	to	35 to	45 to	55 to	65 to	75 to	85 & up-	under 5	years & upwards	Total at	Dock-	
	Year.	5	15	25	35	45	55	65	75	85	wards.	years.			yard.	senal.
II.—Parasitic Diseases.																
Thrush and other Vegetable Parasitic																
Diseases			***				****				***	1		1	I	****
Vorms, Hydatids and other Animal Parasitic																
Diseases						***	***			***						
III.—DIETETIC DISEASES.																
Vant of Breast Milk—Starvation																
curvy	***						***							***	***	
Chronic Alcoholism						I		1			***		2	2	I	1
Delirium Tremens		***		***		2	***						2	2		2
IV.—CONSTITUTIONAL DISEASES.																
Rheumatic Fever, Rheumatism of Heart			2			I							3	3	1	2
Cheumatism	***								2	***	***		2	2		2
Gout																111
Rickets	***		I	***									I	I	I	
Cancer, Malignant Diseases	***		I	***	an.	4	7	6	6	2			26	26	II	15
l'abes Mesenterica	12	2	I									14	I	15	5	10
Tubercular Meningitis, Hydrocepealus	8	6	4	2							***	14	6	20	5	15
hthisis		I	3	II	12	34	14	7				I	81	82	40	42
Other forms of Tuberculosis Scrofula	2	3	I	***		I						5	2	7	3	4
Purpura, Hœmorrhagic Diathesis	***		***					***	110							
Anæmia, Chlorosis, Leucocythæmia																
ilycosuria, Diabetes Mellitus			***		1	I			I				3	3	2	I
Other Constitutional Diseases		***	***		I	I	***			***		***	2	2		2
V.—Developmental Diseases.			100												1	
Premature Birth	21		***	***	***	***	***			****		21		21	9	12
Atelectasis	2	***	***					***				2		2	I	I
Congenital Malformation	4											4		4	2	2
Old Age								2	5	IO	6		23	23	II	12

						AGES	S.					Total	Total	Grand		RATION STRICT.
Cause of Death.	Under I Year.	to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	& up- wards.	under 5 years.		Total at all ages.	Dock- yard.	Ar- senal.
VI.—Local Diseases.																
I.—Diseases of the Nervous System. Inflammation of Brain or Membranes Apoplexy, Softening of Brain, Hemiplegia,							I		1				2	2	I	1
Brain Paralysis			I	1	1	6	12	12	8	5	2	***	48	48	17	31
nsanity, General Paralysis of the Insane			***	***				I				***	I	I	***	I
pilepsy	***	***	***	***	***	***	I	3		***	111	***	4	4	I	3
Convulsions		4		I	***	111		***		***		21	I	22	7	15
aryngismus Stridulus, (Spasm of Glottis) Disease of Spinal Cord, Paraplegia, Paralysis		1	***					***	***	***		I	***	I		1
Agitans				1				I					2	2	2	***
Other Diseases of the Nervous System 2.—Diseases of Organs of Special Sense.			***	***				***	***		***		***	*** .		***
3.—Diseases of Circulatory System.															***	
ericarditus	I		1					416			***	I	I -	2	I	I
cute Endocarditis	344		I		I								2	2	I	I
alvular Disease of Heart	***			3	***	3	1	2	3				12	12	6	6
ther Diseases of Heart				2	2	4	3	13	3	I	I		29	29	12	17
neurism					I								I	I		I
Embolism, Thrombosis				I		I							2	2		2
Other Diseases of Blood Vessels			***				***		****	***						
aryngitis		3	T					22				3	T	4	2	2
roup			I									1000000	· 1	1		T
mphysema, Asthma							I	T				***	2	2	T	T
ronchitis	20	14	· · ·	I	***	2		9	16	10	I	7.4			22	AT
neumonia			2		***		6					34	40	74	33	41
		13		5	5	4		4	4	3	***	19	33	52	19	33
Pleurisy	***	***	***	111	***	***	***	***		***	***	***	***	***	*** .	***
Other Diseases of the Respiratory System	***						***	***	***		***	***	***	***	111	***

						AGES	i.					Total	Total 5	Grand	REGIST SUB-DI	RATION STRICT.
Cause of Death.	Under I Year.	to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 & up- wards.	under 5 years.	years & upwards	Total at	Dock: yard.	Ar- senal.
VI.—LOCAL DISEASES (contd.)																
5.—Diseases of Digestive System.												100				8
Dentition		5	***	***		***	***	***		***	***	13	***	13	5	
ore Throat, Quinsy	***		***	***	***			***	***		22.5	***	***	***	***	
Diseases of Stomach	***	I		2	I		***	***	I		***	I	4	5	2	3
Interitis	I	***	I		***			+44	***	***	***	1	I	2	***	2
Obstructive Diseases of Intestines				I	1	I	I		3		***	0.11	7 .	7	5	2
Peritonitis				I	- 3		2			***			6	6	I	5
scites						***	***	***	***		***		***	***	***	***
Cirrhosis of Liver		***		I	1		I	4	I		***		8	8	3	5
aundice and other Diseases of Liver				1						I			2	2	I	I
Other Diseases of Digestive System				T		I		***					2	2	2	***
6.—Diseases of Lymphatic System.	****	***	***				***									
.g. of Lymphatic Vessels, Glands and Spleen)	1					7						1	I	2		2
		33.1	111	***	***		***			***		100		-	100	
. Diseases of Glandlike Organs of uncertain use		***	***	****	***	***	***	***	7.5	***	***	***	I	I		I
(e.g. Bronchocele, Addison's Disease)	***	***	1		***	***	***	***		111	111	***		*	***	
8.—Diseases of Urinary System.																II
Vephritis		I	I	***	I	1	4	4	***	3	***	I	14	15	4	11
Gright's Disease, Albuminuria		***	***		***	I	***	***			***	***	I	I	***	I
Disease of Bladder or of Prostate	***	***	555	***	***	***	***	I	***	***		***	I	1	***	1
Other Diseases of Urinary System		***	***		***	I		***		1	***	444	2	2	1	1
9.—Diseases of Reproductive System.																
A. of Organs of Generation.																
Male Organs				***	***				***		***	***	***		***	
emale Organs		***	***	***												
B, of Parturition.												1000			1997	
Abortion, Miscarriage		***													***	***
Puerperal Convulsions																
		***	***	***										***	***	
Placenta Prævia, Flooding			***	***	***		***	***				I	1	2	I	I
Other Accidents in Childbirth	1	+ + +	***	***	1	2.1.7	***	***		***				1 1		1000
10.—Diseases of Bones and Joints.				1									2	2	T	T
aries, Necrosis		***	I	***	111	***	***	1			***	***	I	I	1 7	T
rthritis, Ostitis, Periositis		***	***	***	***	***	***	***	1	***	***	***	1 300		***	1
Other Diseases of Bones and Joints	***			***			***			***	1111	***	***		***	***
11.—Diseases of Integumentary System.											1	1	1			
Carbuncle, Phlegmon							***		***			111			***	
Other Diseases of Integumentary System	I									I		I	I	2	111	2

2

						AGE	5.					Total	Total :	Grand		RATION STRICT.
Cause of Death.	Under I Year.	to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	& up- wards.	under 5 years.	years &	Total at all ages.	Dock- yard.	Ar- senal.
VII.—DEATHS FROM VIOLENCE, 1.—Accident or Neglect.																
ractures and Contusionsunshot Wounds		I	I	I	I	***	3	2	I	2		I	11	12	5	7
it, Stab			***	***	***	***	***	***	***	***	***	***	***		***	***
arn, Scald		***	***			***	***	т.	4.4-1	***	***	200	*	***		***
ison							1	1	Ι	***	***	***	2	2	1	
rowning				2	3		2				***		3 7	7	1 7	6
affocation								T	***		***	4	7	-	1	
therwise	I	I	2	I						2		2	è	7	2	4
2.—Homicide.													3	/	3	4
anslaughter												***				
urder	***	***			***	***		***	***		***					
3.—Suicide.																
unshot Wounds					***		I				444		1	1	1	
ut, Stab			100	***	I	I	111	***		***	***	***	2	2	I	1
oison				***	***	2	***	***					2	2		2
Drowning		+++	111	1	***	***	***	***				+++	1	I		I
langing		***	111	113	I	***	111	***	- 1	***	***	***	2	2	I	I
therwise	***	***	***		****	***					444		***	***		***
4.—Execution.																
langing VIII.—Deaths from Ill-Defined but	***	***	***	***	***		***	***	***	***	***	***			***	***
NOT SPECIFIED CAUSES.																
Propsy											1					
ebility, Atrophy, Inanition								I		***	***	31	7	22		***
ortification									2	· · ·	***		2	32	21	II
umour					Т.		Ι			T	***		3	3	2	1
bscess		I		2	I	2				Y	***	1	6	3 7	3	***
æmorrhage									***			-			3	4
adden Death (cause not ascertained)				***				T.			***	***	***	***	***	***
auses not Specified or Ill-defined		***			***	т.	т.	T	T	***	***	2	4	6		1
The second secon	-		1	1 111		-	1	-			***	- 4	4	0	3	3

TABLE II.

Comparative Analysis of the Mortality in all London and Woolwich during the year 1894.

	on to			9	ite	from from	ths .	Per	centage	of Deat	hs to T	otal De	aths.	
LOCALITY.	Esimated Population middle of 1894.	Births,	Deaths,	Annual Birth-rate per 1000 living.	Annual Death-rate per 1000 living, from all causes.	Annual Death-rate per 1000 living, froi Zymotic Diseases.	Per centage of Deaths under 1 year to Births Registered.	Under 1 year of age.	At 60 years of age and upwards.	From Zymotic Diseases.	From Violence.	Coroner's Inquests.	At Public Institutions.	Remarks.
London	4349166	130553	77051	30.0	17.7	2.6	14.3	24'3	22.7	14.9	4.1	8.6	28.7	
Woolwich Dockyard Woolwich Arsenal (including North Woolwich)		509 756	326 443	25°5	16.4	2.8	13.1	24.2	18.2	17.4	4.6	9.5	20.0	
Ootal for Dockyard and Arsenal	41417	1265	769	30.2	18.5	2.9	14.3	23.1	19.6	16.0	5.6	10.0	24.7	*.

Deducting 14 Deaths of Non-Residents makes the net Death-rate 18:2.

1

TABLE III.

Comparative Analysis of Deaths of Infants under 1 year and persons over 60 years of age, also of Deaths from undermentioned Diseases in London and Woolwich, during the year 1894.

								Th	ne Deat	hs Re	gistere	d includ	le					
	ion t			Deat	hs of					Deatl	ns from							
Remarks.	Estimated Population to middle of 1894.	Births.	Deaths.	Infants under I year of age.	Persons aged 60 years and upwards.	Small Pox.	Diphtheria.	Typhus.	Scarlatina.	Typhoid.	Measles.	Diarrhœa.	Whooping Cough.	Continual Fever.	Violence.	Inquest Cases,	Deaths in Public Institutions.	Remarks.
ondon	4349166	130553	77051	18733	17508	93	2673	5	954	627	3292	1768	2094	14	3146	6663	22129	
Woolwich Dockyard	19890	509	326	79	69		6		9	2	23	6	6		15	31	65	
Woolwich Arsenal	21527	756	443	99	82	2	8		13	3	16	13	2	***	28	46	125	
Total for Dockyard and Arsenal	41417	1265	769	178	151	2	14		22	5	39	19	8		43	77	190	

4

TABLE IV.

Table of Deaths during the year 1894, in the Urban Sanitary District of Woolwich, classified according to Diseases, distinguishing those under 5 years of age and those over 5 years of age.

		M	ort	alit	y fi	om	sul	bjoi	ine	l cau	ses d	listin	gui	shir	ng	De	ath	s c	of C	hile	lrei	ı u	nder	5 years.	
DISTRICT.	Age.	Small Pox.	Influenza.	Measles.	Scarlatina.	Croun (not	Spasmodic).	Whooping Cough.		Enteric or Typhoid		Diarrhoea and Dysentry.	Cholera.	Rheumatic Fever.	Erysipelas.	Pyæmia.	Puerperal Fever.	Ague.	Phthisis.	Bronchitis, Pneu-	Heart Disease	Injuries, &c.	All other Diseases.	Total.	REMARKS.
Woolwich Dockyard	Under 5			22	4	2		6		I		6								26		. 1	61	129	
	Over 5		2	I	5	4				1		***		1				***	41	26	18	3 14	84	197	
Woolwich Arsenal	Under 5		2	15	8	6		2			***	II			1				1	27		. 6	33	162	
	Over 5	2		I	5	2	I			3		2		2	I	2			42	47	23	3 22	126	281	
Total	Under 5		2	37	12	8		8		I		17			1				1	53		. 7	144	291	
	Over 5	2	2	2	10	6	1			4	***	2		3	1	2			83	73	41	36	210	478	
Deaths occurring outside the District among persons	Under 5			I	10	5				I									1	4		. 2	6	30	
belonging thereto	Over 5	1	1		9	2				2		***				2			30	24	6	5 4	79	160	
Deaths occurring within the District among persons	Under 5										***									1				I	
not belonging thereto	Over 5																		1			. 8	I	13	

TABLE V.

Comparative Table of Deaths during the years 1892, 1893 and 1894, in the Urban Sanitary District of Woolwich, classified according to Diseases, distinguishing those under 5 years and those over 5 years of age.

					N	Iort	ality	from	su	bjoin	ed ca	uses,	dis	tingu	aishi	ng l	Deat	ths	of C	Children	uı	nde	r 5 y	ears o	of age.
DISTRICT.	Year.	Age.	Small Pox	Influenza.	Scarlatina.	Diphtheria.	Croup, (not Spasmodic).	Whooping Cough.		Entericor A Typhoid.		Diarrhoea and Dysentry.	Cholera.	Rheumatic Fever.	Erysipelas.	Puerperal	Fever.	Ague.	Phthisis.	Bronchitis, Pneumonia & Pleurisy.	Heart Disease	Injuries, &c.	All other Diseases.	Total.	Remarks.
Woolwich Dockyard {	1892 1893 1894	Under 5 5 upwds. Under 5 5 upwds. Under 5 5 upwds.	2	7 2 3 2	1 2 1 8 3	1 2	2	5 1 8 6		6		9 1 15 16 6 		 2 I	2	1 2 . 3	I .		34 I 33 41	29 63 25 53 26 26	13	11 3 14 1	108 83 100 61	131 267 160 241 129 197	
Woolwich Arsenal	1892 1893 1894	Under 5 5 upwds Under 5 5 upwds Under 5 5 upwds	 I	5 . 2 1	3 3	3 2 2 6		I II II 2		4 I		9 2 11 1 11, 2	_ : : : : : :	 1 5 2	I	I .	2		2 52 53 1 42	33 58 28 54 27 47	33	18 7 20 6	99	162 276 155 292 162 281	
Total	1892 1893 1894	Uuder s 5 upwds Under s 5 upwds Under s 5 upwds	3	14 2 8	1 2 14 10	2 3 3 3 2 8	.3	6 2 19 1 8		10 5 1		18 3 26 7 17 2		 7 3	2 1 2 1 1	2	1 4		2 87 I 86 I 83	62 121 53 107 53 73	46	29 10 34 7	169 207 171 212 144 210	293 543 315 533 291 478	
Deaths occuring outside the District amongst persons belonging thereto	1892 1893 1894	Under 5 upwds Under 5 upwds Under 5 upwds	5	2	I	7 I I D 5				5 2 I		 1		 I 	I	1			39 39 39 1	6 26 26 4 24	10	7 2	5 86 6	23 169 13 163 30 160	
Deaths occuring within the District amongst persons not belonging thereto	1892 1893 1894	Under 5 upwds Under 5 upwds Uuder 5 upwds	5																2 2 I	1 4 2 I		111	3	6 24 2 18 1 13	

TABLE VI.

Table shewing the Mortality of Woolwich at the undermentioned ages, during the Year, 1894.

	Population	of all ages.	*	Me	ortality	from all	causes	at subj	oined a	ges.	
DISTRICT.	Census, 1891.	Estimated to middle of 1894.	Registered Births.	At all Ages.	Under 1 year.	and under 5	5 and under 15	and under 25	and under 60	60 and up- wards.	Remarks.
Woolwich Dockyard	19606	19890	509	326	79	50	19	21	88	69	
Woolwich Arsenal	21242	21527	756	443	99	63	24	27	146	82	
Total	40848	41417	1265	769	178	113	43	50	234	151	
Deaths occurring outside the Di		ng persons	belonging }	190	9	21	16	20	71	53	
Deaths occurring within the Distr			belonging }	14	1 .			1	10	2	

TABLE VII.

Return of the number of Deaths of Persons belonging to Woolwich occurring in various Institutions, etc., during the year 1894.

	Numl	ber of 1	Deaths.	
Name of Institution, etc.	М.	F.	Total.	REMARKS.
Woolwich Union Infirmary	56	44	100	
Herbert Military Hospital	16	2	18	
South Eastern Fever Hospital	7	8	F-1-1	
Guy's Hospital	7	I	15	
London Hospital	4	3		
Banstead Asylum	4	I	5 3	
South Western Fever Hospital	2	I	3	
Cane Hill Asylum		3	3	
Homerton Fever Hospital	2	2	4	
Licensed Victuallers' Asylum	1	1	2	
Children's Hospital, Great Ormond Street	2		2	
Seamen's Hospital	2		2	
Charing Cross Hospital		2	2	
Caterham Asylum	I	I	2	
Darenth Asylum	I	I	2	
Brompton Hospital	1	1	2	
Ship Atlas		1	I	
Peckham Workhouse	1		1	
Poplar and Stepney Sick Asylum	I		I	
St. Thomas' Hospital		I	I	
St. Peter's House		I	I	
City of London Chest Hospital	1		I	
St. John's Skin Hospital	1		- I	
Iospital for Women, Euston Road		I	1	
Whitechapel Infirmary	I		I	
Cottage Hospital Kidbrooke	I	***	1	
Children's Hospital Shadwell		I	1	
Miller Hospital		1	I	
Lock Hospital		I	I	
Total		78		

TABLE VIII.

Registered Deaths for each Month in the Sanitary District of Woodwich,

during the year 1894.

Month.	Woolv	vich Do b-Distr	ekyard ict.		wich A b-Distr		Grand Total of Dockyard	Remarks.
	М.	F.	Total.	М.	F.	Total.	and Arsenal	
January	26 -	17	43	33	28	61	104	
February	10	8	18	13	20	33	51	
March	12	11	23	22	14	36	59	
April	12	14	26	18	13	31	57	
May	13	12	25	22	16	38	63	
June	12	14	26	16	14	30	56	
July	15	10	25	20	18	38	63	
August	8	12	20	20	18	38	58	
September	8	6	14	18	19	37	51	
October	13	14	27	10	17	27	54	
November	18	14	32	15	17	32	64	
December	21	26	47	23	19	42	89	
Total	. 168	158	326	230	213	443	769	

TABLE IX.

Comparative Analysis of Births, Deaths, etc., in Woolwich and 32 Provincial Towns during the year 1894.

WOOLWICH		Popula- of 1894.				ual Rat		from Zymotic ses.	юх.	\$60	Fever.	eria.	Cough		æa.	Children year of o Births.	ent. of Deaths.
West Ham 238184 8067 3841 34-0 16.2 3.2 758 49 229 36 190 101 45 108 138 4.2 Croydon 111921 2793 1472 25.0 13.2 1.5 172 40 8 32 62 7 23 121 Brighton 1118715 3055 1943 25.8 16.4 1.2 143 36 4 26 14 11 52 138 1.4 Portsmouth 170973 4709 2584 27.6 15.2 2.0 332 4 138 15 33 41 27 74 131 0.8 Bristol 226578 6373 3900 28.2 17.3 2.0 461 16 114 16 48 176 22 69 150 1.3 Swansea 95399 3069 1621 32.3 <t< td=""><td></td><td>Esti</td><td>Births.</td><td>Deaths.</td><td>Births.</td><td>Deaths,</td><td>Principal Zymotic Diseases.</td><td></td><td>Small-I</td><td>N</td><td>Scarlet F</td><td>Diphth</td><td>Whooping</td><td>Fever</td><td>Diarrho</td><td>one roo</td><td>Rate per co</td></t<>		Esti	Births.	Deaths.	Births.	Deaths,	Principal Zymotic Diseases.		Small-I	N	Scarlet F	Diphth	Whooping	Fever	Diarrho	one roo	Rate per co
Newcastle-on-Tyne 201947 6250 3684 31.0 18.3 2.2 435 96 20 22 154 47 07	West Ham Croydon Brighton Portsmouth Plymouth Bristol Cardiff. Swansea Wolverhampton Birmingham Norwich Leicester Nottingham Derby Birkenhead Liverpool Bolton Manchester Salford Oldham Burnley Blackburn Preston Huddersfield Halifax Bradford Leeds Sheffield Hull Sunderland Gateshead Gateshead	238184 111921 118715 170973 87931 226578 148890 95399 85036 492301 105645 189136 223584 98796 105627 507230 118303 520211 205828 138755 96478 125797 111425 98511 92861 223985 388761 338316 212679 136101	8067 2793 3055 4709 2528 6373 5103 3069 2889 15562 3137 5934 6381 1890 3223 17893 3721 16606 7041 3762 3099 3617 3566 1988 2142 5961 12502 11267 6868 4768 3180	3841 1472 1943 2584 1605 3900 2408 1621 1775 9125 1974 2764 1479 1902 12062 2217 10592 4310 2575 1799 2244 2312 1552 1526 3797 6927 5994 3683 2821 1644	34.0 25.0 25.8 27.6 28.8 28.2 34.4 32.3 34.1 31.7 29.8 31.5 29.3 30.6 35.4 31.5 32.0 29.3 32.2 28.8 27.2 32.2 28.8 32.1 20.2 23.1 26.7 32.4 33.4 32.4	16.2 13.2 16.4 15.2 17.3 16.2 17.0 20.7 18.6 18.7 14.7 17.2 15.0 18.1 23.8 18.8 18.6 18.7 17.9 17.9 17.8 17.9	3.2 1.5 1.2 2.0 1.6 2.0 1.9 1.8 3.2 2.5 1.5 1.6 2.6 3.4 1.8 2.5 1.8 2.5 1.8 2.5 1.8 2.5 1.8 2.5 1.8	758 172 143 332 139 461 288 168 274 1225 159 365 520 160 278 1726 215 1235 667 255 237 201 290 142 81 394 776 765 373	49 4 5 16 1 5 170 1 20 23 2 23 1 4 27 3 3	229 40 36 138 3 114 11 26 72 327 22 106 134 64 92 299 21 224 146 36 13 37 13 33 115 29 105 105 105 105 105 105 105 105	36 8 4 15 8 16 8 23 53 76 15 30 51 12 229 9 9 113 112 21 51 9 12 23 3 72 40 39	190 32 26 33 5 48 69 10 35 75 18 13 18 5 41 97 10 146 63 39 29 18 8 22 17 73 66 29	101 62 14 41 78 176 123 77 28 214 38 12 118 16 67 267 59 287 140 57 17 42 46 54 19 68 131 239 81	45 7 11 27 11 22 8 21 17 106 23 28 62 26 96 63 15 27 33 29 12 6 30 52 64 40	108 23 52 74 29 69 68 20 64 257 43 176 134 34 48 508 90 346 242 44 77 86 157 18 4 65 175 191 88	140 138 121 138 131 169 150 141 163 164 162 174 123 143 179 162 160 174 171 170 169 217 160 135 145 155 155	 4.2 1.4 0.8 1.2 1.3 2.2 1.1 0.7 5.1 1.7 3.1 1.3 0.7 5.5 0.9 1.3 1.8 3.6 4.8 4.9 0.9 1.0 3.6 4.2 1.1

TABLE X.

Comparative Analysis of Births and Deaths, etc., in Woolwich and other Sanitary Districts of the Metropolis, during the year 1894

	imated ion middle 1894.	JS.	1S.		ual Rat		from Zymotic ses.	oox.	cs.	Fever.	eria.	Cough.	IIS.	Fever.	and Fever.	ra.	is.	Children ear of age Births,
Sanitary Areas.	Estimated Population middle of 1894.	Births.	Deaths.	Births.	Deaths.	Principal Zymotic Diseases.	00 - 00	Smallpox	Measles.	Scarlet 1	Diphtheria	Whooping	Typhus.	Enteric F	Simple Undefined	Diarrhœa	Phthisis	Deaths of Child under I year of to 1000 Births
WOOLWICH	41417	1265	769	30.5	18.5	2.9	123	2	39	22	14	8		5		19	84	140
Paddington Kensington Hammersmith Fulham Chelsea St. George Hanover Square. Westminster St. James Westminster. North Districts. Marylebone Hampstead St. Pancras Islington	167350 105696 110993 99052 75033 54414 23571	2837 3673 2901 3763 2700 1501 1235 464 4304 1472 6967 9500	1826 2647 1712 1897 1619 1088 991 393 2662 798 4256 5266	23.4 22.0 27.5 34.0 27.3 20.1 22.8 19.7 31.2 19.6 29.9 28.7	15.1 15.9 16.2 17.1 16.4 14.5 18.3 16.7	2.4 2.1 2.4 3.8 2.3 1.4 2.0 2.2 2.4 1.4 2.2 2.6	289 349 256 425 224 105 108 52 328 104 510 847	3 1 1 29	66 222 72 262 70 32 35 23 88 32 95 204	14 22 14 33 16 11 7 3 40 10 51 69	93 77 50 105 52 19 26 15 73 19 118 221	45 58 59 60 38 21 21 7 40 26 115	· · · · · · · · · · · · · · · · · · ·	19 21 15 5 14 12 5 8	 3 1 1 	49 57 47 57 33 10 14 5		173 147 149 131 115 138 144 130 113 145
Hackney	34172 211493	757 6073	334 3241	22.2 28.8	9.8	0.9	29 554	 I	2 186	6 57	5 122	8 68		38		5 82		139 86 127
St. Giles St. Martin-in-the-Fields Strand Holborn Clerkenwell St. Luke London City	38144 13783 23179 32438 65312 41168 34832	1069 233 547 832 2180 1879 525	757 266 524 660 1243 965 679	28.1 17.0 23.7 25.7 33.5 45.8 15.1	19.9 19.4 22.7 20.4 19.1 23.5 19.5	2. I 2. 0 2. 7 2. 5 2. 7 2. I 1. I	78 27 62 81 174 87	I	15 9 16 23 49 14	2 I I IO IO	14 6 9 20 34 15	27 5 21 21 38 18		8 2 7 7 8 3 6		11 4 8 10 35 26 4		132 210 179 180 145 123 160

TABLE X .- Continued.

Comparative Analysis of Births and Deaths, etc., in Woolwich and other Sanitary Districts of the Metropolis, during the year 1894

	niddle 14.	os.	š		nal Rat 00 Livi		from Zymotic ises.	.хос	es.	Fever.	eria.	Cough.	us.	Fever.	and Fever.	cea.	sis.	ear of age Births.
SANITARY AREAS.	Estimated Population mio of 1894.	Births.	Deaths.	Births.	Deaths.	Principal Zymotic Diseases.	Deaths fron Principal Zym Diseases.	Smallpox.	Measles	Scarlet F	Diphtheria	Whooping	Typhus.	Enteric 1	Simple Undefined	Diarrhoea	Phthisis.	under 1 ye
East Districts. Shoreditch Bethnal Green Whitechapel St. George-in-the-East Limehouse Wile End Old Town. Poplar South Districts. St. Saviour Southwark St. George Southwark Newington St. Olave Southwark Bermondsey Rotherhithe Lambeth Battersea. Wandsworth Camberwell Greenwich	129840 75498 45360 57000 101242 170217 26712 60060 118512 12984 84053 40365 282574 161558	4332 4636 3178 1877 1906 4042 5800 770 2071 4201 431 3095 1353 9231 5024 4423 7382 5374	2450 2642 1613 1196 1403 2281 3225 560 1384 2369 268 1734 704 4845 2573 2224 4045 2976	35-3 35-8 42-2 41-5 33-5 37-5 34-2 28-9 34-6 35-6 33-3 36-9 32-8 31-2 24-7 29-7 31-1	19.9 20.4 21.4 26.4 24.7 21.1 19.0 23.1 20.0 20.7 20.7 20.7 19.0 17.2 16.0 12.4 16.3 17.2	2.8 3.5 3.1 5.0 4.3 4.1 3.2 3.3 3.6 2.8 2.8 3.3 3.3 3.4 2.8 3.1	350 457 231 224 244 439 549 87 217 327 36 279 134 676 493 317 687 540	2 5	46 80 103 19 79 41 181 151 75 186	28 27 23 18 33 37 40 6 17 19 4 23 15 64 32 20 46 59	75 133 46 51 51 82 108 20 49 61 3 66 31 141 116 80 192 132	93 70 52 41 27 74 77 75 7 51 13 109 75 55 137	I	12 27 10 6 8 13 31 2 5 14 16 28 46 28 21 22 32		70 60 34 59 31 70 68 4 39 53 3 42 32 134 88 64 101 60		160 151 154 185 174 156 153 145 186 158 128 146 161 161 161 161 161 148 138
ee	38172	794 2040 1910	472 1097 736	20.9 25.6 32.3	12.4 13.8 12.5	1.7 1.9 2.1	64 154 124	2	39 21	7 12 23	30 56	35 30		3 14 6		8 24 6		94 128 94

TABLE XI.

Table of Population, Births, and of Infectious Disease Cases notified to the Medical Officer of Health during the year 1894, in the Urban Sanitary District of Woolwich, classified according to Diseases, Ages, etc.

			lation						N	um	ber	No	otifie	ed.			1	N	Jum	ber	ren	nov	ed t	to I	Ios	pital	
DISTRICT.	DISEASE.		Estimated as to middle so of 1894.	Registered Births.	Age under 5 or over 5 years.	January.	February.	March.	April.	may.	Tuly.	August.	September.	October.	November.	Total.	January.	February.	March.	April.	June.	July.	August.	September.	November.	December.	Total.
	Small-pox				Under 5 Over 5		1	1 .			. 1		3			6		1	Ι.			I		3			6
	Cholera				Under 5 Over 5																						
	Diphtheria				Under 5 Over 5				Ι.							12						2 2		Ι	I	I I	5 6
	Membranous Croup				Under 5 Over 5																						
WOOLWICH	Erysipelas		0		Under 5 Over 5	2	 I	2		1	. 1		2	1	I 1	12											
DOCKYARD.	Scarlatina	19606	-19890	509	Under 5 Over 5	5	3	2	2	1 4 1	8 4	1 5	i	 I	2	25	3		2	2 I	2 1 5	5 3	5		:	2 2 I	15 42
	Typhus				Under 5 Over 5																						
	Typhoid				Under 5 Over 5					33	I																
	Puerperal				Under 5 Over 5																						
	Continued				Under 5 Over 5																						

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			lation ages.		Age				N	un	nbe	r N	loti	fied					Nu	mb	er i	rem	OV	ed t	o H	Iosp	oital					
DISTRICT.	DISEASE.	Census, 2	Estimated graph to middle of 1894.	Registered Births.	under 5 or over 5 years.	January	February	March	April	May	June	July	August	October	November	December	Total	January	February	April	May	June	July	August	September	November	December	Total				
	Small-pox		-		Under 5 Over 5												9		2	. 2	4											
	Cholera				Under 5 Over 5																											
	Diphtheria				Under 5 Over 5								3				10 25								1	1 2 2		(
WOOLWICH	Membranous Croup			7 756	756	Under 5 Over 5																										
	Erysipelas					756	Under 5 Over 5			 I		 I		3	3	2	3 1	2	18													
ARSENAL.	Scarlatina		2 21527				750	750	Under 5 Over 5		3	3 5	46	5 9	9 23	6		2 I	3 1	4 3	45 97	2 5	2	2 4	4 5	7 18	3	2 5	2 8	4 1	3	3.
	Typhus								Under 5 Over 5												I											
	Typhoid				Under 5 Over 5		I	5			 I				. 1		I	I	1	4		i 1										
	Puerperal				Under 5 Over 5												3															
	Continued				Under 5 Over 5																											
within the	er of cases occurring Sanitary District o	f 4084	8 41417	1265	Under 5 Over 5	1	2 4	1 7	5	6 30	20	11 25	3 17 2	5	8 1	9 5	95 232	6 8	6 1	5	4 2	5 1 3	3 7	3	4	6 8	6 4	6 14				

TABLE XI.—Continued.

TABLE XII.

Registered Births in Fifty-two Weeks of 1894 in the Sub-Districts of Woolwich.

		W		ch Dist	ocky rict.	ard			77	Sub	ich Z -Dist		al	
Month.	Legitimate.		Illegitimate.		Те	Total.			Legitimate.	Illegitimate.		Total.		Grand Total.
	М.	F.	М.	F.	М.	F.	Grand Total.	М.	F.	М.	F.	М.	F.	
January	26	26	I		27	26	53	51	41	***	2	51	43	94
February	15	28	***		15	28	43	23	23		2	23	25	48
March	18	13			18	13	31	23	25			23	25	48
April	23	27			23	27	50	33	24		I	33	25	58
May	24	20	1		25	20	45	32	28			32	28	60
June	16	17		***	16	17	33	27	27			27	27	54
July	24	13		1	24	14	38	30	38	I	***	31	38	69
August	25	26			25	26	51	33	37	1		34	37	71
September	24	12			24	12	36	36	34			36	34	70
October	32	19			32	19	51	29	40			29	40	69
November	17	22			17	22	39	35	23	1		36	23	59
December	21	18	***		21	18	39	28	27	***	1	28	28	56
Total	265	241	2	I	267	242	509	380	367	3	6	383	373	756

TABLE XIII.

Registered Marriages for each Quarter during the Years 1891, 1892, 1893 and 1894, in the Sanitary District of Woolwich.

District.	Year.	First Quarter.	Second Quarter.	Third Quarter,	Fourth Quarter.	Total.
	1891	109	124	140	161	534
DOCKYARD	1892	115	131	186	167	599
AND -						
ARSENAL.	1893	110	136	193	175	614
	1894	120	136	151	178	585

TABLE XIV. Return of the number of Bodies received into the Mortuary during the year 1894.

No.	Date rece at Mortus		Name.	Age.	Address.	Cause of Death.	
1	January 8th	1	George Sheldrake	44	10a, Rectory Grove, Woolwich	Suicide by Cutting Throat.	
2			Catherine Briggs	55	2, Catherine Square, Woolwich	Apoplexy.	
3			Edward Hummerston	17	Cambridge Barracks	Injuries from a Crush.	
4	,, 271	h	John McCartey		104, Brookhill Road, Woolwich	Suicide by Cutting Throat.	
		h	Mabel Lyons		39, James Street, Woolwich	Rickets and Bronchitis.	
5	February 1:	2th	Lilian M. Hull		148, St. Mary Street, Woolwich	Suffocated in Bed.	
7 8	,, I'		Alice E. Esplaine		62, High Street, Woolwich	Suffocated in Bed.	
8	,, 28	8th	Thomas Hall	50	51, Shortbridge Street, S. Shields	Found Drowned.	
9	March 9th		Female Infant (unknown)	newly born	Found in Railway Station	Inattention at Birth,	
10	,, 12th	1	Catherine McBride	66	22, High Street, Woolwich	Fatty Degeneration of the Heart.	
II	33 33		Lillie Baynes	7 weeks	7, Ordnance Road, Woolwich	Suffocated in Bed.	
12			Robert Hancer	56	63, Ordnance Road, Woolwich	Bronchitis and Heart Disease.	co
13	April 5th	1	William Conner	44	Nile Street, Woolwich	Lung Disease.	37
14	,, 16th				23, Trinity Street, Woolwich	Accidently Drowned.	
15	,, 17th	1	Edward Cleverley	41	1, Rope Yard Rails, Woolwich	Haemateria.	
16	,, 20th	1	Robert Scrutton	33	1a, Hancock Street, Bromley-by-Bow	Heart Disease.	
17 18			Albert G. Williams	39	51, High Street, Woolwich	Rupture of Aorta.	
		levens.	Isabella Watson		Knottingley, Yorkshire	Crush on Barge.	
19			Ruth Sargent		2, Anchor Alley, Woolwich	Natural Causes.	
20		leenen	William H. Short		353, Southwark Park Road	Accidentally Drowned.	
21			Charles Oliver	45	39, Argyle Road, Customs House:	Killed on Railway (accident).	
22	,, 29th		Albert Sage		9, Ann Street, Woolwich	Accidental Fall in Street.	
23	The second second				16, Artillery Place, Woolwich	Accidentally Poisoned.	
24			John Brightman		1, Bowater Road, Woolwich	Peritonitis from Ulcer.	
25					25, Francis Street, Woolwich		
26			Herbert Funnell	10	16, Walpole Place, Woolwich	Run Over by Van.	
27 28			William J. Snelling		Gravesend	Accidentally Drowned.	
			Mormbaruk Abdulla		S.S. "Kaiser," Albert Docks	Found Drowned.	
29			Margaret Rickards		5, Myrtle Place, Woolwich	Apoplexy.	
30			Jane Hood		20, Sandy Hill, Woolwich	Accidental Fall.	
31					229, Manchester Road, Cubitt Town		
_ 32	July 11th		John Huxley	53	16, Warren Lane, Woolwich	Fatty Degeneration of the Heart.	

TABLE XIV.—Continued.

No.	Date received at Mortuary.	Name.	Age.	Address.	Cause of Death.
33	July 23rd	Boy (unknown)	14	Unknown	Found Dead.
34	,, 30th	William G. Clifford	31	High Street, Deptford	Found Drowned.
35	August 5th	Landow Lindow		S.S. "Mariella," Albert Docks	Apoplexy.
35 36	,, 18th	William Hudson	22 months	6, Glass Yard, Woolwich	Trod on by Horse.
37		John Loxley		10, Globe Lane, Woolwich	Accidental Fall.
37 38		Emma Clark	73	15, Warren Lane, Woolwich	Peritonitis.
39	,, 6th	John Wilson	34	89, Beresford Street, Woolwich	Suicide by Poison.
40		John J. Paul		38, Samuel Street, Charlton	Injuries from Machinery.
41	,, 12th		46	Cambridge Barracks	Suicide by Shooting
42		Male (unknown)		Unknown	Found Dead in Ditch.
43		Septimus W. Shorter		19, Glenister Road, Greenwich	Accidently Drowned.
44		David W. Smithers	41	5, St. Paul's Road, Camden Town	Suicide by Poisoning.
45	October 2nd	Frank E. Petch	15	I, Llanover Road, Plumstead	Suicide by Drowning.
46	,, 2nd	Minnie Sharp		16, Wilmount Street, Woolwich	Pneumonia.
47	,, 7th	Herbert Grunsey	27	Artillery Barracks	Suicide by Hanging.
48	,, 13th		59	33, Thomas Street, Woolwich	Accidently burned.
49		Sarah Brown		4, Wick Cottages, Woolwich	Accidental Fall.
50	rath			28, Ritter Street, Woolwich	Heart Disease.
51	and l			10, Rope Yard Rails, Woolwich	Heart Disease.
52		John Williams		19, Anglesea Road, Woolwich	
53	8th	Margaret Boland	40	17, Warren Lane, Woolwich	Suicide by Hanging.
54	,, oth	John Blackburn	70	17, Warren Lane, Woolwich	Apoplexy.
34	,, giii	George W. Piggott	70	173, West Street, Charlton	Valvular Disease of Heart.
55 56	,, roth	William Frazer	50 56	6, Latward Road, Brentford	Accidentally Drowned.
50			W	23, Adelaide Street, S. Shields	Heart Disease.
57 58	anth			13, Engineer Road, Woolwich	Valvular Disease of Heart.
	December 11th	William L. Angell	3 days	15, Dicey Street, Woolwich	Premature Birth.
59 60	a6th	Augustus T. Birch	13 months	to, Dicey Street, Woolwich	Pneumonia.
61	and	Mary E. Redfer		11, Eglinton Road, Woolwich	.Syncope.
62	,, 3rd	Nellie Plant		20, Acorn Street, Woolwich	Pneumonia.
	,, 16th	Joseph Kelly	o months	30, Artillery Place, Woolwich	Pneumonia.
63	,, 17th	Ethel E. Hellwell	4 months	51, Brookhill Road, Woolwich	Syncope.
64	,, 31st	Francis Elliott	87	23, Samuel Street, Woolwich	Kidney Disease.

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TABLE XV.

Return of Inquests held during the Year 1894.

No.	Name.	Age.	Address.	Verdict of Coroner's Jury.
I	James Buckley	53	48, Jackson St., Woolwich	Apoplexy.
2	George Sheldrake	44	10a, Rectory Grove, Wool- wich	Suicide by Cutting
3	Catherine Briggs	55	2, Catherine Square, Woolwich	TO STATE OF THE ST
4	Edward Hummerson	17	Cambridge Barracks	Jammed between Wagon and Tree.
5	John McCarty	32	104, Brookhill Road, Woolwich	
6	Mabel Lyons	22 m.	39, James St., Woolwich	Rickets and Bronchitis.
7	Gunner R.A	24	R.A. Barracks	Run over by Train.
8	Agnes Penfold	2 m.	38, Rope Yard Rails, Woolwich	Suffocated in Bed.
9	Lilian M. Hall	3 m.	48, St. Mary Street, Woolwich	Do.
10	Alice E. Esplaine	7 m.	62, High St., Woolwich	Do.
11	William Watchorn	66	21, Union Buildings, Woolwich	Poisoned - not known
12	Alison Johnson	81	15, George St., Woolwich	
13	Thomas Hull	50	51, Shortbridge Street, S. Shields	
14	Catherine McBride	66	22, High St., Woolwich	Syncope.
15	Lillie Baines	7 w.	7, Ordnance Road, Wool- wich	Suffocated in Bed.
16	Female	16	46, Sand St., Woolwich	Cerebral Abscess from
17	Sarah Morgan	82	9, North Kent Terrace, Woolwich	Decay and Shock from
18	William Connor	45	Nile Street, Woolwich	Lung Disease, Want of
19	Frederick C. Gibson	16	23, Trinity St., Woolwich	Food, etc. Accidentally Drowned.
20	Robert Scrutton	33	1a, Hancock St., Bromley-	Rupture of Aorta.
21	Albert Williams	39	by-Bow 51, High St., Woolwich	Do.

TABLE XV .- Continued.

No.	Name.	Age.	Address.	Verdict of Coroner's Jury.
22	John Clarke	51	36, Rippolson Road, Plumstead	Crushed between Railway Trucks.
23	Isabella Watson	59	Knottingley, Yorkshire	Injuries from Crane load Falling on her.
24	Charles Oliver	46	39, Argyle Road, Customs House	
25	Ruth Sargent	18	22, Anchor Alley, Wool- wich	Gastric Ulcer.
26	James Hicks	70	2, Warren Lane, Woolwich	
27	Edward Quigley	50	9, Earl Street, Plumstead	juries. Pneumonia following In-
28	Thomas H. Clarke	51	38, Beresford Street, Wool-	juries Colic (Lead Poisoning).
29	Lancelot Holdway	27	wich 75, Wellington Street,	Pycemia.
30	Albert Sage	47	Woolwich 9, Ann Street, Woolwich	Fracture of Skull from
31	Margaret Rowe	57	16, Artillery Pl., Woolwich	
32	John Brightman	20	1, Bowater Rd., Woolwich	(Accident). Peritonitis.
33	Herbert R. Funnell	10	16, Walpole Pl., Woolwich	
34	Henry Stewart	28	25, Francis St., Woolwich	by Van. Drowned whilst Bathing.
35	Charles Hicks	50	6, Salutation Alley, Wool-	Dislocation of Neck from
36	Margaret Dennally	7 m.	wich 1, Glass Yard, Woolwich	Fall down Stairs. Fit whilst Teething.
37	Catherine Maclancy	59	15, Artillery Pl., Woolwich	From Burns.
38	Joseph Hicks	42	3, Cannon Row, Woolwich	
39	Mormbaruk Abdulla	25	S.S. "Kaiser," Albert	not known. Found Drowned.
40	Jane Hood	71	Docks 10, Sandy Hill, Woolwich	
41	Margaret Kickard	56	5, Myrtle Place, Woolwich	(Pneumonia). Apoplexy.
42	Dennis J. Driscoll	45	229, Manchester Road, Cubitt Town	Accidentally Drowned.

TABLE XV .- Continued.

No.	Name.	Age.	Address.	Verdict of Coroner's Jury.
43	John Huxley	53	16, Warren Lane, Wool- wich	Pneumonia and Fatty Heart
44	Male (unknown)	14	Unknown	
45	John Cronin	35	60, Beresford S reet, Woolwich	Delirium Tremens with Pneumonia.
46	William G. Clifford	31	High Street, Woolwich	
47	William Hudson	22 m.	6, Glass Yard, Woolwich	Trodden on by Horse.
48	Male child	6 m.	12, Engineer Rd, Woolwich	Asphyxia while under influence of Chloroform, Operation.
49	Male	21	19, Ogleby St., Woolwich	
50	Phillip Jones	49	111, Tewson Road, Plum- stead	Injuries from Crane load Falling on him.
51	John Luxley	58	10, Globe Lane, Woolwich	Fracture of Skull by fall.
52	Emma Clarke	73	15, Warren Lane, Wool-	Inflammation of Bowels.
53	John J. Paul	28	38, Tamar St., Charlton	Struck by Machinery in Motion.
54	John Wilson	33	89, Beresford Street, Woolwich	
55	John Welsh	4 m.	37, Dicey St., Woolwich	Diarrhœa.
56	Thomas Walker	46	Cambridge Barracks, Woolwich	Suicide by Shooting.
57	Male	6	7, Rope Yard Rails, Wool- wich	Leg wrenched off when riding on axle of brougham.
58	Minnie A. Sharp	12 d.	16, Wilmount Street, Woolwich	Pneumonia.
59	Frank E. Petch	15	I, Llanover Road, Plum-	Suicide by Drowning.
60	Hermet Grimsey	27	Artillery Barracks, Wool- wich	Suicide by Hanging.
61	David W. Smithers	41	5, St. Paul's Place, Cam- den Town	Suicide by Poisoning.
62	Catherine Robertson	59	33, Thomas St., Woolwich	Suffocated by Fire.
63	Sarah Brown	76	4, Wick Cottages, Wool- wich	Senile Decay and broken Thigh from fall.

TABLE XV.—Continued.

No.	Name.	Age.	Address.	Verdict of Coroner's Jury.
64	Emma M. Street	17	28, Ritter St., Woolwich	Valvular disease of heart
65	Female (unknown)	40	10, Rope Yard Rails,	Heart Disease.
66	Margaret Roland	40	Woolwich 17, Warren Lane, Wool-	Apoplexy.
67	John Williams	65	wich 9, Anglesea Rd., Woolwich	Suicide by Hanging.
68	William Frazer	58	23, Adelaide St., S. Shields	Syncope.
69	John Blackburn	70	173, West Street, Charlton	Valvular disease of heart.
70	Peter L. Gregston	73	13, Engineer Rd, Woolwich	Valvular disease of heart.
71	William L. Angell	2 d.	23, Dicey St., Woolwich	Premature Birth.
72	Nellie H. Plant	10 m.	20, Acorn St., Woolwich	Pneumonia & Pleurisy.
73	Augustus T. Birch	13 m.	10, Dicey St., Woolwich	Pneumonia & Pleurisy.
74	Ethel E. Hellewell	4 m.	51, Brookhill Road, Wool-	Syncope from malformation
75	Joseph Kelly	6 m.	wich 30, Artillery Pl., Woolwich	of right side of Heart. Pneumonia.
76	Mary E Redfern	26	11, Lower Eglinton Road,	Syncope.
77	Male	35	Woolwich 6, Monk Street, Woolwich	Uræmic Convulsions.

TABLE XVI.

Return of the number of Articles Disinfected after the undermentioned

Diseases during the year 1894.

	SI			A	RTICL	ES DIS	SINFE	CTEI).		
Nature of Disease.	Number of Persons Attended.	Beds.	Blankets.	Bolsters.	Counterpanes.	Palliasses and Mattresses.	Pillows.	Sheets.	Sundries.	Wearing Apparel (pieces).	Total.
Scarlet Fever	215	223	356	159	207	271	345	333	1140	1338	4372
Diphtheria	49	57	79	43	49	67	95	86	269	274	1019
Small-pox	15	42	57	17	37	32	52	62	106	286	691
Enteric Fever	14	25	38	14	23	28	28	49	91	64	360
Γyphus Fever	I	I	I	1	3	2	2	I	14	17	42
Erysipelas	30	2	4	2		4	4		6		22
Puerperal Fever	3	1	1	I	I	2	2	2	5	4	19
Total	327	351	536	237	320	406	528	533	1631	1983	6525

TABLE XVII.

Return of Houses dealt with under "The Housing of the Working

Classes Act, 1890," during the year 1894.

Result.	erty.	Property.					
Demolished by consen	Street	Vilmount	2, \	I			
Do.	do.	do.	4,	2			
Closed by Magistrate	Cottage	sherwen's	1, S	3			
Do.	do.	do.	2,	4			
Do.	do.	do.	3,	5			
Do.	do.	do.	4,	6			
	do.	do.	4,	0			

TABLE XVIII.

Return of Cases of Sickness for the Years 1891, 1892, 1893 and 1894, occurring in the various Institutions in Woolwich.

Name of Institution.	Pati	mber of ents,	Number of Patients, 1892.		Number of Patients, 1893.		Pati	mber of ents,
	In.	Out.	In.	Out.	In.	Out.	In.	Out.
Workhouse and Workhouse Infirmary	703		607		697		558	
Out-door Paupers		2552		2500				2743
				-				
	-							
Total	703	2552	607	2500	679	2597	558	274

TABLE XIX.

Return of the Number of Houses Inspected, Notices Served, etc., by the Sanitary Inspectors during the year 1894.

	Numl	ber of ises.	ed.	Num of Noti	f		N	ature	of N	uisan	ces ir	iclud	ed in	Notic	ces.		
Name of Inspector.	Inspected.	Re-Inspected.	Number of Notices Served.	Complied with.	Not complied with.	ater	Dirty and Defective Walls and Ceillngs.	Defective Paving.	Foul and Defective W.C. Pans and Traps.	Roofs.	Defective Yard Drains and Sinks.	Defective Guttering, etc.	House Sinks connected with Drains.	Defective Water Supply.	General Nuisances, etc.	Total.	Remarks.
J. CARTY					***												Engaged in Superintending the removal of House and Trades Refuse, etc.
A. Mackie	1771	1136	841	818	23	8	54	102	96	109	93	117	15	74	123	5380	63 cases were referred to Solicitor, and in 8 cases Summonses had to be issued before the work was done.
W. WOOLLEY	2010	1582	1044	1026	18	10	76	176	121	147	119	194	19	96	174	6812	was done.
Total	3781	2718	1885	1844	41	18	130	278	217	256	212	311	34	170	297	12192	

TABLE XX.

List of Common Lodging Houses in Woolwich under the License of the London County Council.

			ber of uthorize		
No.	Situation of House.	Single Men.	Single Women.	Married Couples.	Owner.
		Single	Sir	Mar	
1	3, High Street	22			George Webb.
2		44			Ditto
3	49, ,, ,,	26			Robert Flett.
4	50, ,, ,,	24	144		Ditto
5	51, ,, ,,		6	8	Ditto
5	52, ,, ,,	18	3	3	Catherine Mahoney.
	53, ,, ,,	16		5	Ditto
7 8	56, ,, ,,		I	5 7	Maria Edwards.
9	56a, ,, ,,	18			Ditto
.10	63, ,, ,,		I	7	Richard Huxford.
II	64, ,, ,,	20	***		Ditto
12	76, ,, ,,	4	5	4	George Channings.
13	77, ,, ,,	3	2	6	Ditto
14	81, ,, ,,	***	. 8	1	Samuel Cook.
15	82, ,, ,,	7	6	3	Ditto
16	93, ,, ,,	30	· · · ·	***	Mary White.
17	102, ,, ,,	37	***	111	Thomas Barriskill.
18	6, Nile Street	5	***	- 3	John Kelcher.
19	7, ,, ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,	13	***	***	Ditto
20	60, Beresford Street	35	***	13	Mary White.
21	4, Market Hill	14	***		Mary Cassin.
22	5, ,, ,,	II	***	***	Emily Perry.
23	10, ,, ,,	IO	***	1++	Alfred Ralpson.
24	12, Warren Lane	29	***	***	Frederick Alexander.
25	13, ,, ,,	II	***		Ditto Maria Edwards.
26	1, Rope Yard Rails	16	***	***	Ditto
27	2, ,, ,,	21	***	***	Eliza Skiggs.
29	4, ,, ,,	18	***	***	Kate Taylor.
9.000	7, ,, ,,		***	***	Eliza Edwards.
30	9, ,, ,,	37	7	II	Kate Taylor.
32	**	24		3	Catherine Mahoney.
33	27	II	***	4	Robert Fleet.
34	21a, ,, ,,		12	5	Ditto
35	32, ,, ,,	20			John Smith.
35 36 37 38	43, ,, ,,	16			James Self.
37	IOa, ,, ,,	26	***	3	Catherine Mahoney.
38	34, Albert Road, N.W.	19			Emma Bammon.
			1	1	
			1		

TABLE XXI.

List of Slaughterhouses Licensed by the London County Council in the District of Woolwich during the year 1894.

No.	Name of Licensee.	Address of Licensee.	Situation of Slaughterhouse.
-	Woollen, Henry	oz New Road	At rear of 93, New Road
I	woonen, Henry	93, New Road	At rear or 93, New Road
2	Gurney, Edward H	7, Powis Street	Love Lane
3	Webb, James B	99, Powis Street	At rear of 99, Powis Street
4	Mitchell, Jas. & Geo	25, Hare Street	At rear of 25, Hare Street
5	Bland, Thomas	30, Hare Street	At rear of 30, Hare Street
6	Bartlett, Charles	1, Church Street	At rear of 12, Church Street
7	Vicars, Hedley	41, Church Street	At rear of 41, Church Street
		-	

TABLE XXII.

List of Bakehouses in the District of Woolwich during the Year 1894.

No.	Name.	Situation of Bakehouse.	No.	Name.	Situation of Bakehouses.
I	Co-operative Society	152 Dowie Street	23	Hills, Alfred	22 Church Street
2			24	Roffey, James	
	Hobbs, Samuel				
3	Frost, William		25	Sims, Alfred F	
4	Vohman, J. G		26	Barrett, Henry	
5	Bolton, John R	The state of the s	27	Clothier, William	
6	Roffey, Edward		28	Attenborough, James	
7	Mack, Philip H		29	Dhonau, John	
8	Shierman, Henry		30	Meyer, Frederick	
9	Flood, Benjamin	31, Beresford Street	31	Merchant	
10	Martin, Jacob A	16, The Common	32	Akers, William	8, Hill Street
11	Goodsell, Edward	33, Upper Market St.	33	Wilkening, Louis	72, Henry Street
12	Mitchell, Colin	53, Wellington St.	34	Cooper, Joseph	24, Chapel Street
13	Newman, Thomas	94, ,, ,,	35	Brown, George	36, ,, ,,
14	Gillett, Thomas	29, Artillery Place	36	Holcombe, Thomas	45, Warwick Street
15	Ewell, Edwin	38, ,, ,,	37	Finch, George	58, King Street
16	West, George	10, King Street	38	Corder, Thomas	18, Charles Street
17	Fletcher, John	15, New Road	39	Porter, George	29, ,, ,,
18	Stone, Walter J	57, ,, ,,	40	Tucker, John	82, Brookhill Road
19	Bradshaw, Alfred	3, Green's End	41	Jackson, Fredk. M.	Dock Street,
20	Dennis, Henry	96, Brookhill Road			North Woolwich
21	Smith, Zoe	37, Francis Street	42	Nelle, F	North Woolwich
22	Crow, William	6, Church Street			

TABLE XXIII.

List of Cow Sheds Licensed by the London County Council in the District of Woolwich during the year 1894.

No.	Name of Licensee.	Address of Licensee.	Situation of Cow Shed.
1	Chard, Henry John	16, Pellipar Road	At rear of 16, Pellipar Road
2	Thomas, James	24, Lower Wool- wich Road	At rear of 23, Lower Woolwich Road
3	Wyatt, John	2, Albert Road, N. Woolwich	At rear of 2, Albert Road

TABLE XXIV.

Total amount paid by the Board for Disinfectants during the years 1890, 1891, 1892, 1893 and 1894.

_		100				_		-				-	_			_	-
			1	890).	1	891		1	892	 :.	1	893	3-	1	894	
ı. l	or Quarter en	ding March		0										d. 0			
2.	Ditto	June			0	I	0	2	13	13	10	4	18	0	3	9	8
3.	Ditto	September	2	16	0	3	1	11	7	10	11	1	3	0	4	19	6
4.	Ditto	December	0	18	0	I	3	0	2	0	11	0	16	0	3	11	11
		Total	35	6	ó	5	5	1	24	1	8	7	4	0	13	7	10

TABLE XXV.

Surveyor's Report upon the cost of disposal of Refuse at the Destructor, Dock Yard Wharf.

> Town Hall, Woolwich, 11th September, 1894.

I have much pleasure in presenting my first report of the working of the Refuse Destructor for the period of one year ending the 7th December, 1893.

The quantity of refuse that passed through the cells during that period amounted to 9967 loads.

The cost of the disposal of which, under the old system of barging away at 1s. 6d. per cubic yard, would have been £1495 1s. od., calculating each load to represent two cubic yards.

The outgoings of the Destructor, including Capital and Interest on Loans, Wages, Breeze for Cremator, Gas, Water, and other expenses were as follows:—

Capital and l	Interest	on Loans	for	araction	· of	£	S.	d.	£	S.	d.
Destructo Wages, gross Cr. Man's ti	r		***			522	2	4	495	0	10
value of th	ne Clinke	ers, &c., us	sed on	the road	ls by	94	2	8			
Carting away	old tins-	-II5 loads	ar 2s.					_	427	19	8
Breeze for Cre									36	II	3
			***	***					27	6	9
Water			444	100	0.00				5	3	4
Repairs to Bar	rows, &c			***	***				IO	0	0
New Barrows				***					13	I	0
								£	1026	8	2
								-	_	_	_

There was no sale of clinkers or ash during this period. The sale at 6d. per load commenced on the 19th December, 1893.

Shewing saving of	 	£468	8	2
The removal by barges would have cost The disposal of the same quantity by Destructor cost .		1495 1026	1	0

This great saving has far exceeded my expectation. My estimate of the annual saving, dated 13th November, 1893, was £300 per annum.

H. O. THOMAS,

Surveyor.

NOTE.—The Destructor was erected on Land belonging to the Board, and the value of such Land is not included in the above Statement.

TABLE XXVI.

Number of Inhabited Houses, also the number Built and number Demolished during the Years 1890, 1891, 1892, 1893 and 1894.

	Year.	Number of New Houses.	Number of Houses demolished.	Number of Inhabited Houses.	Remarks.
	1890			5136	
0.0	1891	27	4	5159	
South	1892	26	26	5159	
Woolwich	1893	35	25	5169	been
	1894	4	14	5159	have
					that
	1890		***	258	uses uilt.
North	1891	79		337	o not include the house demolished and rebuilt
Woolwich	1892.		.,,	337	lude t
WOOTWICH	1893	26	14	349	t incl
	1894	13		362	do no
	1890	·		5394	figures do not include the houses that have been demolished and rebuilt.
Total for	1891	106	4	5496	These
South & North	1892	26	26	5496	
Woolwich.	1893	61	39	5518	
	1894	17	14	5521	
Tot	al	210	83	5521	

TABLE XXVII.

Return of the Number of Passengers and Vehicles that have passed over the Free Ferry during the past four years

Year.	Number of * Passengers.	Number of Vehicles.	Remarks.
1891	3,981,976	230,362	
1892	3,753,144	254,960	
1893	3,495,362	261,462	
1894	4,385,799	317,084	
Total	15,616,281	1,063,868	

TABLE XXVIII.—FOOD AND DRUGS ACT, 1875.

Summary of Articles purchased and submitted for Analysis, with results of same, for the year ending 31st December, 1894.

No. of Sample.	Article submitted for Analysis.	States whether the sample was sub- mitted to the Analyst by an officer acting under direction of a Local Authority under Sec. 13 of Act.	RESULT OF ANALYSIS. Shewing whether the sample was genuine or adulterated, and what were the nature and extent of the adulteration.	The sum paid in respect of the Analysis.	Observations.
795	Milk	Inspetr.	Genuine		Taken on Sunday.
796	Milk	33	Ditto		Ditto.
797	Milk	,,	Ditto		Very poor quality.
798	Milk	33	Ditto		Ditto.
799	Milk	"	Ditto		Ditto.
800	Milk	33	Ditto		Ditto.
801	Milk	33	Ditto		At least 10 per cent. of
802	Milk	"	Ditto	***	fat removed.
803	Butter	,,	Ditto		
804	Cocoa	,,	Ditto		
805	Mustard	,,	Ditto		
806	Butter	,,	Ditto		
807	Mustard	"	Ditto	***	
1	Milk	,,	Ditto	***	Of poor quality.
2	Milk	11	Ditto		
3	Milk	,,	Ditto		Of poor quality.
4	Milk	,,	Ditto		Ditto.
5	Milk	,,	Ditto	***	
6	Milk	,,	Ditto		
7	Milk	* **	Ditto		
8	Milk	,,	Ditto		
9	Milk	,,	Dttto		
10	Milk	,,	Ditto		At least 20 per cent. of fat removed.

TABLE XXVIII.—(Continued).

No. of Sample.	Article submitted for Analysis.	States whether the sample was submitted to the Analyst by an officer acting under direction of a Local Authority under Sec. 13 of Act.	RESULT OF ANALYSIS. Shewing whether the sample was genuine or adulterated, and what were the nature and extent of the adulteration.	The sum paid in respect of the Analysis.	Observations.
II	Milk	Inspetr.	Genuine	***	
12	Milk	,,	Ditto		
13	Milk	,,	Ditto		
14	Brandy	***	Ditto		25 U.P.
15	Rum	,,	Ditto		21 U.P.
16	Gin	"	Ditto		33 U.P.
17	Brandy	,,	Ditto		14 U.P.
18	Scotch Whisky	,.	Ditto		21 U.P.
19	Rum	,,	Ditto	***	22 U.P.
20	Scotch Whisky	11	Ditto	***	25 U.P.
21	Irish Whisky	33	Ditto		25 U.P.
22	Gin	,,,	Ditto		35 U.P.
23	Irish Whisky	,,	Ditto		25 U.P.
24	Milk	11	Ditto	***	Poor quality.
25	Milk	,,	Ditto		
26	Milk	,,	Ditto		
27	Milk	,,	Ditto		Very poor quality.
28	Coffee	33	Ditto		
29	Chicory	33	Ditto		
30	Chicory	,,	Ditto		
31	Coffee	3,	Ditto		
32	Coffee	-33	Ditto		
33	Coffee	,,	Ditto		

TABLE XXVIII.—(Continued).

No. of Sample.	Article submitted for Analysis.	States whether the sample was sub- mitted to the Analyst by an officer acting under direction of a Local Authority under Sec. 13 of Act.	RESULT OF ANALYSIS. Shewing whether the sample was genuine or adulterated, and what were the nature and extent of the adulteration.	The sum paid in respect of the Analysis.	Observations.
34	Milk	Inspetr.	Genuine		
35	Milk	,,	Ditto		Very poor in fat.
36	Milk	3,5	Ditto	***	
37	Milk	25	Ditto		
38	Milk	,,	Ditto		
39	Milk	***	Ditto		Very poor in quality and
40	Milk	,,,	Ditto		very poor in fat.
41	Milk	,,	Ditto	***	
42	Milk	,,	Ditto		Poor in fat.
43	Milk	,,	Ditto		Poor in fat.
44	Milk	,,	Ditto		
45	Milk	,,	Ditto		Very poor in quality and
46	Milk	,,	Ditto		very poor in fat. Poor in fat.
47	Milk	,,	Ditto		
48	Spirits of Camphor	,,	Ditto		
49	Milk	,,	Ditto		
50	Milk	,,	Ditto		
51	Milk	,,	Ditto		
52	Milk	13	Ditto	***	Suspiciously low in fat-
53	Mllk	,,	Ditto		
54	Milk	,,	Ditto		
55	Milk	,,	Ditto	***	
56	Milk	,,	10 per cent. fat extrctd.		Fined costs 12/6.

TABLE XXVIII.—(Continued).

No. of Sample.	Article submitted for Analysis.	States whether the sample was sub- mitted to the Analyst by an officer acting under direction of a Local Authority under Sec. 13 of Act.	RESULT OF ANALYSIS. Shewing whether the sample was genuine or adulterated, and what were the nature and extent of the adulteration.	The sum paid in respect of the Analysis.	Observations.
	3.5711	Tonnata	to not sent for extentel		Fined costs 12/6.
57	Milk	Inspetr.	10 per cent. fat extrctd.		Fined costs 12/0.
58	Milk	,,	Genuine	***	
59	Tincture of Opium	,,	Ditto	***	
60	Tincture Rhubarb	,,	Ditto		
61	Tincture Rhubarb	33	Ditto		
. 62	Tincture of Opium	,,	Ditto		
63	Tincture Rhubarb	,,	Ditto		
64	Tincture Rhubarb	,,	Ditto	***	
65	Tea	,,	Ditto	***	
66	Coffee	,,	Ditto		
67	Milk	,,	Ditto		Taken on Sunday.
68	Milk	,,	Ditto		Ditto.
69	Milk	,,	Ditto		Ditto.
70	Milk	,,	Ditto		Ditto.
71	Milk	**	Ditto	***	Ditto.
72	Milk	,,	Ditto		Ditto.
73	Milk	,,	Ditto	***	Fair quality.
74	Skimmed Milk	11	Ditto	***	Ditto.
75	Milk	,,	Ditto	***	Ditto.
76					Cancelled.
77	Condensed Milk	,,	Ditto		
78	Condensed Milk	.,	Ditto		
79	Skimmed Condensed Milk Skimmed	,,	Ditto	***	

TABLE XXVIII.—(Continued).

No. of Sample.	Article submitted for Analysis.	States whether the sample was submitted to the Analyst by an officer acting under direction of a Local Authority under Sec. 13 of Act.	RESULT OF ANALYSIS. Shewing whether the sample was genuine or adulterated, and what were the nature and extent of the adulteration.	The sum paid in respect of the Analysis.	Observations.
80	Condensed Milk	Inspetr.	Genuine		
81	Skimmed Milk	,,	Ditto		Good quality.
82	Milk	,,	Ditto	***	Ditto.
83	Milk	,,	Ditto		
84	Milk	**	Ditto		
85	Condensed Milk	,.	Ditto		
86	Condensed Milk	,,	Ditto		
87	Condensed Milk	,,	Ditto		
88	Condensed Milk	,,	Ditto		
89	Skimmed Butter	***	Ditto		
90	Milk	7.7	Ditto		
91	Milk	2.5	Ditto		
92	Milk	,,	Ditto	***	
93	Milk	**	Ditto		
94	Milk	,,	Ditto		
95	Milk	,,	Ditto		Poor in fat.
96	Cayenne Pepper	,,	Ditto		
97	Cayenne Pepper	33	Ditto		
98	Milk	,,	Ditto		Very good quality.
99	Milk	,,	Ditto		Ditto.
100	Milk	**	Ditto		Ditto.
101	Skimmed Milk	١,,,	Ditto	***	Ditto.

TABLE XXIX.

Meteorological Summary taken from Observations made at 114, Powis Street, Woolwich. for the Year 1894.

Height above sea level, 39 feet. Latitude, 51° 30' N.; Longitude 0° 5' E.

	Barometer.			Temperature (Fahrenheit).					Rainfall.			Bright Sun- shine.	Wind.
MONTHS.	Height.	Lowest.	Mean.	Highest in shade.	Lowest in shade.	Mean.	Lowest on Grass.	Number of Frosty Nights.	Total in Inches.	Difference from average.	Greatest fall in 24 hours.	Total number of hours and minutes.	Resultant.
Jan	30.282	29.318	29.952	53.0	13.6	33.3	8.9	16	3.05	+1'02	0.41	38.57	s.w.bs.
Feb	30.264	28 330	29.948	55.7	25.3	40.2	16.3	12	1.57	-0.04	9.32	64.27	w.s.w.
March	30.493	29.008	29.750	64.1	29.9	47.0	22°I	20	0.66	-0.28	0.10	121.6	w.s.w.
April	30.268	29.416	29.842	73'2	37.3	55.2	28.2	5	1.42	-0.40	0.46	122.0	S.S.E.
May	30.319	29.561	29'940	70.6	32.3	51.4	25.9	2	1.34	- 0.44	0.33	149.0	N.W.b N.
June	30.387	29.686	30.036	79.7	45.7	62.7	38.5	***	1.99	-0.49	0.26	135.40	w.s.w.
July	30.348	29.283	29.815	84.3	51.4	67.8	44.0		3.02	+0.42	1.57	150.50	w. b s.
August	30.276	29.575	29*926	77.5	46.0	61.7	40.0	***	3.53	+0.24	0.98	112.57	W.N.W.
Sept	30.487	29.610	30.048	69.9	40'1	55.0	30.7	2	1.32	-0.08	0.31	71.43	N. b E.
Oct	30.200	29.135	29:317	61.9	34.4	48.1	25.6	6	3.74	+0.80	1.27	42'45	S.
Nov	30,210	28.833	29.671	64.3	35.2	48.4	25.1	9	2.95	+0.22	0.00	59.15	s.w.
Dec	30.643	29'349	29.996	53.2	27.7	40.4	22.0	15	1.95	-0.13	0.93	15.0	w.s.w.

Total rainfall for the year was 26'27 inches, above the average by 3'03 inches. Total number of hours of bright sunshine for the year was 1083 10 minutes, which was below the average by 142 hours 6 minutes.

The highest temperature in the sun's rays was 132'2° on the 6th July.

The thermometers are all Kew verified, and are placed in a Stevenson's screen.

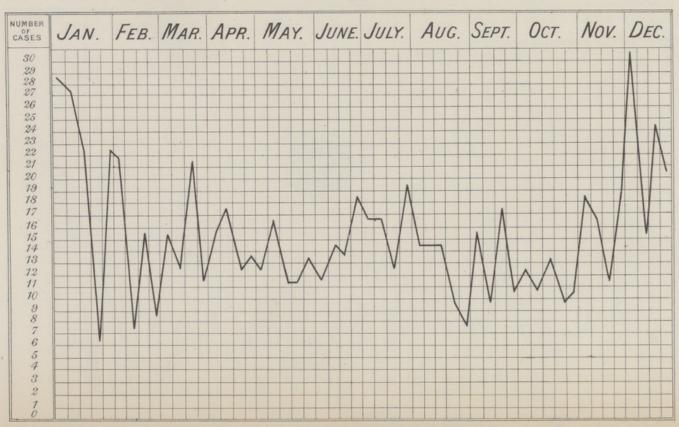
The barometer is a Fortin Standard, with perfect Kew verification.
The sunshine recorder is one of Campbell-Stokes' burning recorders.

— Shows that the fall was below the average.

+ Shows that the fall was above the average.

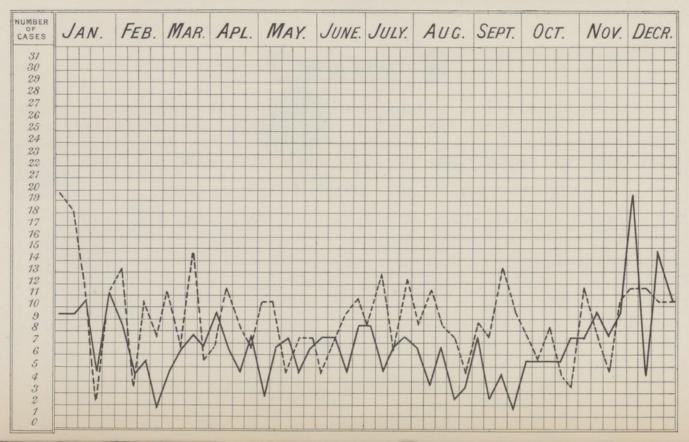
JOHN GEORGE WALLER, F. R. MET. SOC., 113, Powis Street, Woolwich.

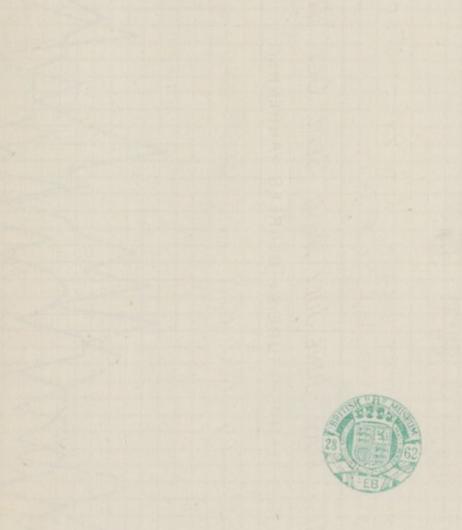
NUMBER OF DEATHS FROM ALL CAUSES IN THE DOCKYARD AND ARSENAL DISTRICTS REGISTERED WEEKLY DURING THE YEAR 1894, THOSE OCCURRING IN OUTLYING INSTITUTIONS INCLUDED.



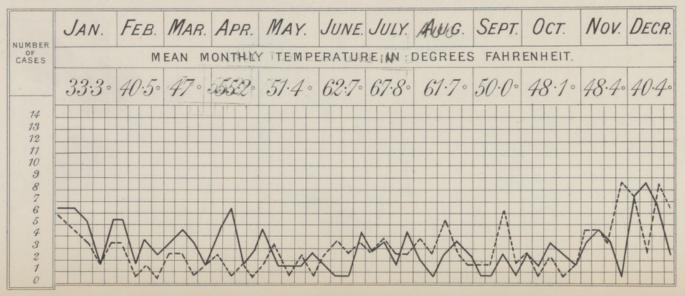


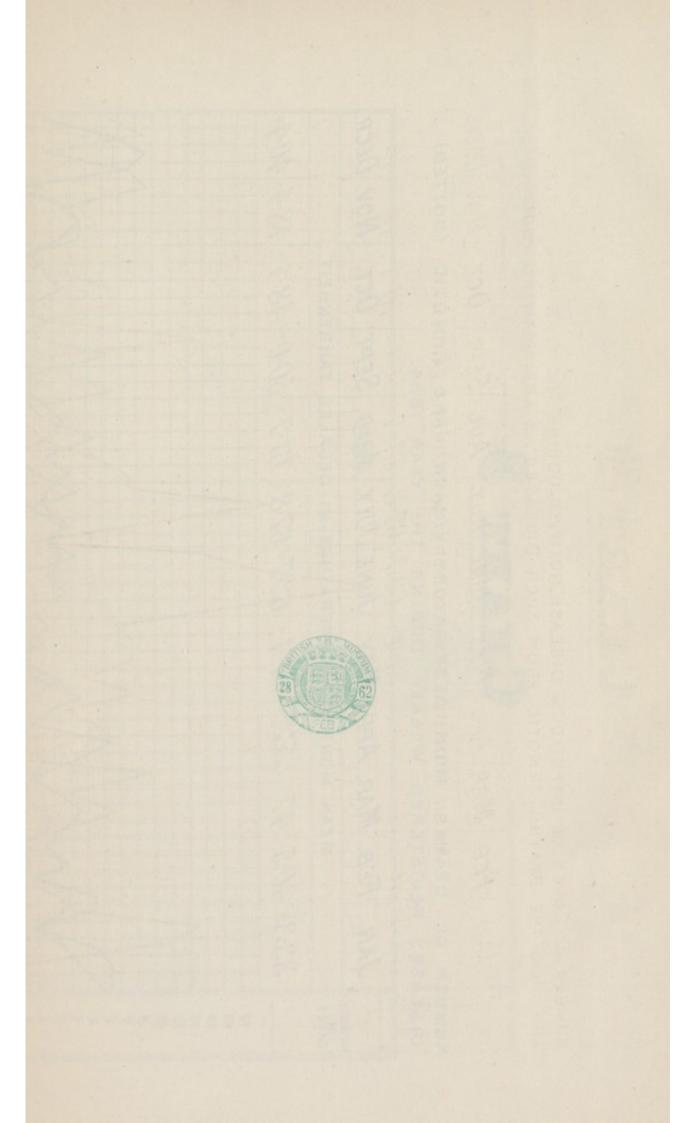
NUMBER OF DEATHS IN THE DOCKYARD (BLACK) AND ARSENAL (DOTTED) DISTRICTS REGISTERED WEEKLY DURING THE YEAR 1894, THOSE OCCURRING IN OUTLYING INSTITUTIONS INCLUDED.



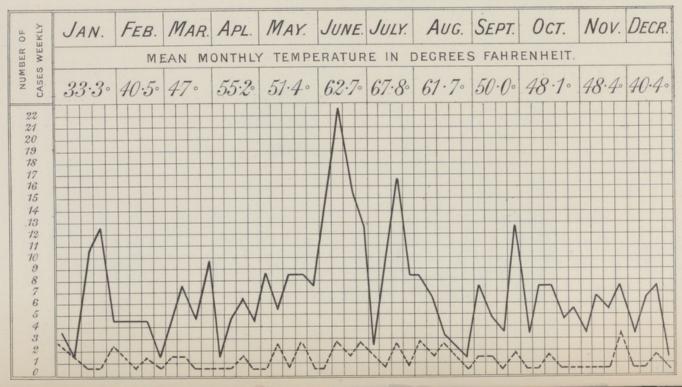


NUMBER OF DEATHS FROM RESPIRATORY (BLACK) AND ZYMOTIC (DOTTED) DISEASES REGISTERED WEEKLY DURING THE YEAR 1894.





NUMBER OF CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1894 (BLACK) AND ALSO THE DEATHS ZYMOTIC FROM SUCH DISEASES AS ARE NOTIFIED (DOTTED)





NUMBER OF BIRTHS IN THE DOCKYARD (BLACK) AND ARSENAL (DOTTED) DISTRICTS REGISTERED WEEKLY DURING THE YEAR 1894.

