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STMARY 8

THE

SANITARY CHRONICLES

OF

St. Marylebone;

BEING THE

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH FOR THE YEAR 1903.



BY

ALEXANDER WYNTER BLYTH,

Medical Officer of Health and Analyst of Food and Drugs for the Metropolitan Borough of St. Marylebone; Barrister-at-Law of Lincoln's Inn; Fellow of the Institute of Chemistry, &c., &c.

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PREFACE.

The following report is the usual summary as required by Statute of the Sanitary administration of the Borough of St. Marylebone during 1903. It gives in tabular form all essential facts as to the work of the Sanitary Office and the statistics of disease and mortality. The first of this series of reports was issued in 1880, the present is therefore the twenty-third. Throughout the whole series the original form and arrangement has been maintained.

No. 3 UPPER GLOUCESTER PLACE, W.

February, 1904



A REPORT

OF THE

METEOROLOGY, MORTALITY, AND SICKNESS

OF

ST. MARYLEBONE

FOR THE YEAR 1903.

BY A. WYNTER BLYTH.

METEOROLOGICAL SUMMARY.

MARCH QUARTER.

January was mild, wet, and gloomy, with only one week of frost. Dense fogs were absent. On two days slight snow fell. The minimum temperature was 26.0° ; the maximum, 52.0° ; the mean 41.0° . The total rainfall amounted to 2.73 inches, this rain fell on 21 days. The sunshine registered in Regent's Park was but little more than 27 hours.

February was fairly dry and mild. The minimum temperature was 30.0° ; maximum 58.0° ; mean 45.1° . On eight days slight rain fell, amounting in all to 0.15 inch. The last week of February was stormy, the wind blowing from the S.W. and W.S.W. with hurricane force. The sunshine varied from 10 to 25%.

March was characterised by strong westerly and South Westerly gales. Minimum temperature, 35.5°; maximum, 53.9°; mean 47.1°. There were 10 rainy days; the rainfall for the month was 3.82 inches.

There was a fair amount of sunshine, from 13 to 29% being registered in Regent's Park.

JUNE QUARTER.

April was bright and showery. Minimum temperature, 29.0° ; maximum, 60.9° ; mean 46.7° . On 16 days more or less rain fell, the total fall being 2.47 inches. The winds were for the most part N.W. and S.W. The sunshine varied from 18 to 55%.

May was a somewhat wet month, 19 rainy days yielding 2.2 inches. Minimum temperature, 37.5°; maximum, 78.2°; mean 56.3°. Winds variable; sunshine from 8 to 58%.

The rainfall for June was considerable; in eight days no less than 6.23 inches of rain falling. The minimum temperature was 40° ; maximum, 85.0° ; mean 59.0° . The sunshine varied from 16 to 59%.

SEPTEMBER QUARTER.

Although there were only II rainy days in the five July weeks, yet the total rainfall was heavy, viz., 5.4 inches. Minimum temperature, 45.0°; maximum, 86.0°; mean, 64.6°. The winds were variable but for the most part westerly. The sunshine registered varied from 25 to 75%.

August was also an unusually wet month. There were II days of rain during four weeks, the total fall equalling 3.43 inches. Minimum temperature, 46.0°; maximum, 77.0°; mean 41.5°. Wind, S.W. Sunshine from 8 to 56%.

September was a little drier. There were 6 rainy days in the first two weeks, giving a fall of 3.08 inches, while the last fortnight was rainless. The minimum temperature was 40.0° ; maximum 81.0° ; mean, 59.2. Winds, N.N.W. and N.E. Sunshine up to 45%.

DECEMBER QUARTER.

In October there were no less than 25 rainy days. The rainfall was not, however, great, considering the number of wet days, the fall amounting to 3.73 inches. Minimum temperature, 55.0° ; maximum 68.0° ; mean, 56.3° . Winds, S.W. Sunshine from 8 to 27%.

November was free from fog. Minimum temperature, 34.2°; maximum, 55.0°; mean, 47.8°. 1.6 inch of rain fell in 10 days. Winds W. and N.W. Sunshine from 7 to 20%.

December was fairly free from fog. There were 10 rainy days, giving a rainfall of 2.44 inches. There were a few frosty days, but no hard weather of any account and no snow. As usual sunshine was generally deficient. Under six hours of bright sunshine being registered in Regent's Park.

BIRTHS AND DEATHS.

The number of births during the 52 weeks ending December 26th, 1903, when all the essential corrections have been made, was 2,818.

The number of deaths (corrected) of parishioners was 2,180. This gives a birth-rate of 21.2; a death rate of 16.4 per thousand.

The birth and death-rates of the sub-districts for 1903 were as follows :---

			Birth-rate	Death-rate.
All Souls		 	17.1	 13.5
Rectory ·		 	19.5	 15.4
St. Mary		 	22.9	 15.7
Christ Church		 	25.4	 18.9
St. John		 	19.9	 17.8
The whole distri	ct	 	21.2	 16.4

The following is a statement of the average birth and death-rates for the five previous years.

All Souls		 	16.5	 14.6
Rectory		 	20.7	 20.9
St. Mary		 	23.I	 18.2
Christ Church		 	24.6	 17.6
St. John		 	21.8	 17.6
The whole distri	ict	 	21.9	 17.9

The following table gives the distribution of the deaths of parishioners dying in various extra-parochial institutions, all of which are included in the mortality statistics.

			~			
St. Marylebone Infirma	ry, N	Notting	Hill			528
North Western Fever H	ospi	tal				23
Western Fever Hosp	ital					21
University Hospital						13
St. Mary's Hospital						41
St. Thomas's Hospital						6
St. George's Hospital						II
St. Bartholomew's Hos	pital					7
Westminster Hospital						2
Guy's Hospital						I
Charing Cross Hospital	• •					2
National Hospital						2
Royal Free Hospital						2
French Hospital						6
Italian Hospital			• •		• •	2
German Hospital						I
Hostel of God						2
					-	
Carriéd forwar	d		•••	• •		670

Brought forward	670
Hanwell Asylum	28
Leavesden	
Colney Hatch Asylum	·· 15 20
Cane Hill Asylum	
Ranstood Asylum	I
Camberwell House Asylum	7
Manon Assilum Ensen	I
Hoyton Acylum	2
	5
Tooting Bec Asylum	2
Darenth Asylum	6
Dartford Asylum	2
Caterham Asylum	2
Ilford Asylum	I
Claybury Asylum	7
Peckham House Asylum	I
Middlesex Asylum	I
Children's Hospital, Great Ormonde Street	8
Children's Hospital, Paddington	17
North Eastern Children's Hospital	I
Cancer Hospital	2
St. Pancras Workhouse	I
St. Pancras Infirmary	I
Paddington Workhouse	2
St. Joseph's Home	2 I
St. Anne's Home	I
St Luke's Home	
Holborn Infirmary	4
Clapham Maternity	I
West London Hospital	I
North-west London Hospital	2
North-west London Hospital	I
Heart Hospital, Soho	I
Royal Chest Hospital	2
Mount Vernon Consumption Hospital	I
Brompton Hospital	
St. Francis Hospital for Infants	
Chelsea Infirmary	2
Paddington Infirmary	I
Islington Workhouse	I
St. Peter's Home	4
Kensington Infirmary	I
Grosvenor Hotel	I
Friedenheim	4
River Thames	I
Regent's Canal, Paddington	I
In the Streets	
TOTAL	853
	055

GENERAL HEALTH OF THE DISTRICT DURING 1903.

Phenomenal as to rainfall, the year was also phenomenal as to low mortality and as to a high degree of general health. As shown in the succeeding paragraphs and tables the ordinary infectious diseases were for the most part below the average. Whether this was due to the constant washing of the atmosphere, or the washing away of masses of fermenting matter in drains and sewers, or the influence of excess of moisture on the slow and but little understood fermentation of the soil, or not to rainfall at all, but to the fairly uniform temperature, are matters of speculation difficult to decide.

SCARLET FEVER.

410 cases of scarlet fever were notified ; of these 357 were removed to hospital. The case fatality was lower than that of the previous year (1902); it has indeed fallen to about 3.6%, hence the cases were as a rule mild. Scarlet fever, from the 2nd week in February up to the 2nd week in March was a little above the average. During two weeks in the middle of May scarlet fever was much above the average. During the rest of the year the number of cases were fewer than for the corresponding periods of the preceding five years.

DIPHTHERIA.

There were 205 cases of diphtheria notified, and of these 27 were fatal, giving a case mortality of 13%. Hence, diphtheria was three times as fatal as scarlet fever. In the majority of cases notified, the diagnosis has been confirmed by a bacteriological investigation of the throat. The comparatively high mortality of these cases also shows that the diagnosis was correct, and that but few cases of ordinary inflammatory affections of the throat have been erroneously described as diphtheritic. At the same time it is to be specially noted that diphtheria was less prevalent than in previous years.

ENTERIC FEVER.

Enteric or typhoid fever was generally below the normal, save for a sharp sudden rise in the latter end of September. There were 59 cases notified, of these 10 died, giving a case mortality of 17.5%. Most of these cases had contracted the malady from sources outside the Borough.

MEASLES AND WHOOPING COUGH.

The only infectious diseases throughout the year which tended to become epidemic were measles and whooping cough. Neither of these diseases are notifiable, hence the only accurate knowledge obtained with regard to them is the record of deaths, and also the notices which the various school authorities send regularly to the Health Office. Since there were 32 deaths from measles and 57 from whooping cough, and the average case mortality is somewhere near 5%, it may be surmised that there were over 600 cases of measles, and 1,100 of whooping cough.

THE HEALTHINESS OF ARTISANS' DWELLINGS.

It has been advanced as an objection to the policy of building, or encouraging the building of, Artisans' Dwellings in this district, by an eminent member of the Council, that the death-rate of such dwellings is likely to be as high as in tenement streets. Since this question is of more than local interest. the writer has commenced the study of the question.

There are now a large number of artisans' dwellings in the district, some of them extremely defective in original plan and unfortunately situated; others like Wharncliffe Gardens and Queen Street Buildings, on good sites, and in every way excellent.

In the former case one would suspect that the objection has some basis, but in the latter there is no reason for believing that the conditions of housing are antagonistic to the highest degree of health and longevity.

The buildings selected for the present purpose are Wharncliffe Gardens, situated high up in the residential neighbourhood of St. John's Wood, with ample light, pleasant views, and as good an atmosphere as can be obtained within four miles of Charing Cross, and a group of dwellings in Horace Street, which are unfortunate in being in the midst of a crowded locality and in point of planning and original construction and also in the wage earning capacity of the tenants, and their manner of living, somewhat different to Wharncliffe Gardens.

WHARNCLIFFE GARDENS.

The following figures have been supplied by the Superintendent of Wharncliffe Gardens in respect to the population of the dwellings :—

	ROOMS.	Adults.	Children.*	TOTAL,
No. I Block	 250	 143	205	348
No. 2 ,,	 165	 137	129	266
No. 3 "	 220	 183	147	330
No. 4 "	 220	 177	168	345
No. 5 "	 220	 187	171	358
No. 6 ,,	 270	 245	161	406
	I,345	 1,072	981	2,053

*The vague expression "children" includes ages up to 12.

The deaths during four years 1899 to 1903 inclusive were as follows :--

5	10110110						
	Small Pox						2
	Measles						I
	Scarlet Fever						I
	Diphtheria						7
	Diarrhœa						3
	Phthisis, and other	Tube	ercular	Disease	s		5
	0						I
	Bronchitis, and oth	ner ch	est com	plaints	3		7
	Premature birth			·			3
	Heart Disease						3
	Suicide						I
	Other diseases						6
						-	

40

This is equivalent to a death-rate of 4.8, or just under 5 per thousand; the death-rate during the same period of the sub-district of St. John, varied from a minimum of about 18 to a maximum of 22 per thousand.

The infectious diseases notified during the four years were as follows :---

			Wh	arncliff	e
			G	ardens	
Small Pox	 	 		8	
Chicken Pox	 	 		7	
Scarlet Fever	 	 		73	
Typhoid Fever	 	 		3	
Diphtheria	 	 		24	
Croup	 	 		2	
Erysipelas	 	 		I	
			-	0	
				110	

This gives a zymotic rate of sickness per thousand living of 14.3 per thousand, the rate for the sub-district of St. John's during the same period being 11.8 or practically 12 per thousand.

HORACE STREET DWELLINGS.

The Horace Street group of Artisans Dwellings are composed of :---

> Windsor Dwellings, Osborne Dwellings, Erin House, St. George's Dwellings, St. Mary's Dwellings, St. Michael's Dwellings.

The number of families inhabiting these dwellings is 87. 33 of these occupy I room, 52 occupy 2 rooms, and 2 more than two rooms.

The population, as taken by Mr. Andrews, the Inspector for the District, within a few days of the last day of the year was 355, 175 of whom were children.

The deaths during four years, 1900 to 1903 inclusive, were as follows :---

Whooping Cough						I
Diphtheria						2
						I
Phthisis and tube						IO
Bronchitis and ot	her c	hest aff	fections	5		9
Premature birth						I
Heart disease						I
Accidents						2
Other diseases						8
					-	

TOTAL 35

43

This is equal to a death-rate of 24.5 per thousand per annum; the death rate of the sub-district of St. Mary, in which the buildings are situated, varying in the same years from a minimum of 16 to a maximum of 19.

The diseases notified during the four years were as follows :---

Small Pox	 				I
Chicken Pox	 				I
Scarlet Fever	 				5
Diphtheria	 				II
Erysipelas	 				5
				-	
		1	OTAL		23

This is equal to 16.1 per thousand of the population per annum, the similar rate for St. Mary's sub-district being for the same period only 7.4 per thousand.

In discussing these remarkable figures it must be remembered the figures cover but a short period, the reason for taking such a small period being that the returns for former years have in the confusion of removing to the present offices been mislaid. If a longer period had been taken it may be that Wharncliffe Gardens would not have had so low, the Horace Street Buildings so high, a rate.

It must also be freely granted that Wharncliffe Gardens population is a selected one, the old and the weakly obviously do not exist there, and that the precise age constitution of the two populations is unknown.

More than any other circumstance the "age constitution" influences death-rates.

If a thousand individuals are taken, mainly composed of young persons from 10 to 15 years of age, a death-rate of under 4 per thousand would be quite normal.

If on the other hand the thousand consisted of persons of 65 and above, a death rate of 100 to 200 per thousand would not require comment.

Still, making every allowance for a probable favourable age constitution there is little doubt that Wharncliffe Gardens has enjoyed an exceptional freedom from fatal disease, more particularly, the rate for tubercular maladies is extremely low. It will be observed that on the other hand the Gardens have by no means been immune from infectious diseases, the rate being higher for zymotic sickness than that of the sub-district in which the buildings are situated.

The Horace Street group of dwellings not only shows a higher death-rate than the sub-district, but a much higher zymotic sickness rate, and the figures for tuberculosis are high, tubercular affections accounting for about one-third of the total mortality.

PRACTICAL SANITARY WORK, 1903.

A tabular statement is given of the work of each of the Sanitary Inspectors at pages 34-35. Complaints of sanitary defects were received and promptly attended to in 869 cases.

More than half the time of the Inspectors is taken up with the supervision of new, or the investigation of defective drains. An objection was raised by the County Council to the employment of Inspectors in the supervision of new drainage works, a duty which they have performed for many years, and for which their training and experience well qualifies them to fulfil, the ground of the objection was that the duties were not specifically mentioned in the Local Government Order, and therefore the County Council could not repay the half of the salaries while such duties were performed. Subsequent correspondence with the Local Government Board showed how purely technical the objection was, the Board having no objection to the Inspectors acting as they have always done, provided the Inspectors were paid separately for such duties, the separate payment to be borne wholly by the local authority. Two of the Inspectors, Mr. Richard Phillips and M.ss Frances Baker, have special duties with regard to the Factory Acts and the Public Conveniences. Their reports are as follows :—

Report of Mr. Phillips.

3, UPPER GLOUCESTER PLACE, MARYLEBONE ROAD, N.W.

January, 1904.

The Medical Officer of Health.

SIR,—I beg to present to you a report of my work during the year 1903 :—

FACTORIES AND WORKSHOPS.

There are in the Borough 127 registered workrooms which are occupied exclusively by men. The principal trades engaged in are Tailoring and Outfitting. These workshops have been regularly inspected, and where necessary, insanitary conditions have been remedied. Many cleansing orders have been made, sanitary accommodation and drainage matters attended to. All new workshops have been measured, and registered in accordance with the Factory and Workshops Act, 1901.

BAKEHOUSES.

There are at the present time of bakehouses in the Borough, of this number 12 are overground, the remaining 84 are underground, and in accordance with Section 101 of the Factory and Workshops Act, 1901, no underground bakehouse could be used after the 1st January, 1904, for baking unless it had been certified by the Sanitary Authority. In consequence the whole of these bakehouses have been inspected, and in most cases a considerable amount of work has been carried out under my supervision before the certificate was granted. In 77 cases certificates have been granted by the Sanitary Authority. In the remaining 7 cases, no application has been made for a certificate owing to the fact that the leases of the premises expired very shortly, and the owners did not see their way to expend money on the structural and other alterations which were necessary. Consequently from the 1st January, 1904, they will cease to be used as bakehouses.

SMOKE NUISANCES.

The number of smoke nuisances detected or complained of during the year is 13. All premises where nuisances have occurred are vigilantly watched, but a recurrence of the nuisance seldom takes place after an intimation of the nuisance has been given.

TRADE NUISANCES.

Complaints of trade nuisances have been received, and upon proof of the case, they have been abated in every instance.

UNDERGROUND CONVENIENCES.

I have supervised the work at the three underground conveniences, and constantly inspected them both day and night. Several repairs and alterations have been done; I have found the premises well and cleanly kept, and am able to report satisfactorily on the work done by the Attendants, whose duties are chiefly arranged by me.

PUBLIC URINALS.

Since the last Annual Report, the 25 urinals situated in the Borough above ground have been placed under the control of the Public Health Department, and it is my duty to inspect the same for cleanliness and repairs, which require a daily visit; also to supervise the men employed as flushers; these I have found attentive to their duties.

RESTAURANTS, DINING-ROOMS, AND COFFEE-SHOPS.

I have inspected 163 restaurants, coffee-shops and diningrooms in the Borough, special attention being given to the kitchens and all places where food is stored. The lavatory accommodation has also had my attention. I found that 23 of the number required cleansing, and notices were served with satisfactory results.

			NO.	OI VISIUS.
Workshops, etc		 		596
Bakehouses		 		456
Restaurants, etc.		 		405
Smoky Nuisances		 		_98
Underground Convenie	ences	 		Daily
Public Urinals		 		Daily

I am, Sir,

Your obedient Servant,

RICHARD PHILLIPS,

Senior Inspector.

REPORT OF MISS BAKER.

PUBLIC HEALTH DEPARTMENT,

January, 1904.

To the Medical Officer of Health.

SIR,—I beg to present the report for the year ending 1903:—

Number of workshops on the Register at end

		 1,801
Do. at end of 1903		 2,164
		 337
Removals		 197
Number of businesses represented		 1,770
Re-inspections made during the yea	r	 I,37I

Of the new workshops added, 134 were received by notification from the Home Office; the remainder have been discovered on my periodical visits.

The figures represent for the most part the trades of dressmaking and millinery, which are steadily increasing in numbers in spite of an already well filled district. The necessary repairs and cleansing are carried out without much delay, and only in a few cases has it been needful to watch any tendency to overcrowding, which, however, is not repeated.

One of the chief points in visiting the workrooms in the winter months is to give a reminder that the temperature of the rooms must be kept at a reasonable height, a fact very apt to be overlooked when the girls are busily engaged during the colder weather, especially when the iron heaters are much in use; for it is often imagined that these stoves provide all the necessary heat.

The outworkers employed on this district have almost doubled in number. They belong to the tailor's trade generally, and one observes a decided increase in the number of aliens employed. As a rule this means the establishment of more workshops, for it is seldom that a foreigner works alone or with members of his own family only; and in the ladies' tailoring this is especially the case.

Number of Outworkers on the Register at end

of year 1902	267
Do. at end of year 1903	491
Removals from the district	25
Names received during year from firms within	-5
district, received Februrary and August	1,734
Of which were transferred to other Boroughs	I,I4I
Received from other Boroughs	144
Reinspections made during the man	
35 Domestic Workshops in the district have	423
visited.	also been
VISILCU.	

NUISANCES ABATED.

These, which number 138, principally concern the cleansing and repairing of the sanitary accommodation; next in importance come the ventilation of gas iron-heaters, the eleansing of cisterns and the lime washing of workrooms. 78 various complaints have been received, followed by investigation, which in a few cases has proved there was no ground for complaint.

UNDERGROUND CONVENIENCES.

The women's conveniences have been regularly and frequently inspected both week-days and Sundays. They have always been found clean and well looked after. Having the supervision of the Attendants also I can report that they are civil in their manners and attentive to their duties. The recent adoption of special By-laws has assisted in keeping for the public generally better cleanliness and order in the lavatories.

There are also several miscellaneous details of this department which have been attended to, which it is impossible to present in tabulated form.

I am, Sir,

Your obedient Servant,

FRANCES A. BAKER

Inspector.

HOUSING OF THE WORKING CLASSES ACTS.

No new scheme was carried through during the year. The opening of Queen Street Buildings and the commencement of clearing the Nightingale Street site, both on the Portman estate, mark however, progress with regard to the future of the district.

Devonshire Place still remains to swell the death-rate of the Christ Church District. During the latter part of the year the members of the Housing Committee took a tour of inspection over the Burne Street area, and witnessed the squalor of some of the dwellings in that area, but neither of these schemes have made progress.

In the meantime extensive changes are being brought about by the natural falling-in of long leases. This is particularly the case in St. John's Wood, where a number of the Howard de Walden leases have expired. In that district a large block of artisans dwellings will be erected, in the highly residential district of Grove End Road, a site, so far as health is concerned, quite unexceptionable. If no new scheme has been reported under the Act advantage has been taken of its provisions to close up a good many dwellings. Bentinck Court and Williams Cottages (19 houses) were closed by Magistrate's order under the Act. The same process was applied to No. 6, High Street, St. John's Wood, and to Nos. 6 and 11, Gees Court.

PROSECUTIONS UNDER THE PUBLIC HEALTH ACT.

In about 9 cases the Local Authority has been compelled to enforce the observance of the Law by legal proceedings.

The owners of Nos. 4, Harrow Street, 69, Upper Berkeley Street, 34, Great Barlow Street, and 3 & 4, Wellington Place were summoned for neglecting to obey notices with regard to drainage or other sanitary matters.

The owner of No. 107, Princess Street was summoned for not providing water to the premises; the owner of 125, Great Portland Street was summoned for placing on the kerb an improper dust-bin, and an occupier of Montagu Mews was summoned for non-removal of manure.

In most of the above cases, convictions and small penalties were obtained.

THE MORTUARY AND CORONER'S COURT.

The report of the Mortuary Keeper, Mr. Ellis, is to be found at page 27. The Mortuary continues to be of high utility.

During the past year the Committee replaced the gas fittings by the electric light, the short roadway was taken up and laid down with asphalte, and the building was placed in communication with the general telephone system, all most desirable improvements, bringing the building and appliances up-to-date.

THE CLEANSING OF PERSONS ACT.

The Cleansing of Persons Act was passed in 1897, and the writer recommended the Vestry to put it into operation

Accordingly, as an experiment, a single bath in Grove Road was fitted up, and was opened on the 2nd day of March. On the very first day there were no less than four applicants, and up to the last day of March, 148 persons had used the bath. Encouraged by this success various improvements were made in successive years, culminating in 1900 in the provision of baths for females, and a suitable building. As





CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER DURING 1903



now constituted, the cleansing baths consist of 2 baths for males, and 2 baths for females. The water is heated by steam at a high temperature supplied by a Cornish boiler. The clothes, while the bathers are in the baths, are disinfected by a hot air apparatus.

During 1903, as the following return compiled by Miss Kilgallin shows, no less than 6,170 separate baths were given. In a good proportion of cases, the bathers are found to be suffering from contagious skin diseases, and to be in a most offensive state generally. The disinfection of the clothing and bathing, not only is a protection to the public, but a great source of relief to the sufferers themselves.

ST. MARYLEBONE BATHS, RICHMOND STREET. EDGWARE ROAD.

CLEANSING OF PERSONS ACT, 1897.

The addresses given of the ap	plicants	were	as follows :
Males from Salvation Army 3	Shelter		4,876
Males from Lodging Houses i			639
Females from Shaftesbury In			400
Females from Private address	ses		14
Females with no addresses		• •	241
	TOTAL		6,170

					Males.	I	emales.
Jan.	I-30				406		13
Feb.	2-21				358		15
	(Closed	8 v	vorking	days	for Nev	w Baths).
Mar.	4-3I				416		27
April	I-30				364		31
May	I-30				35)		31
June	2-30				42)		33
(Clo	osed 2 w	orki	ing day	s for	Boiler	Inspecti	ing).
July	I-3I				531		70
Aug.	I-3I				576		70
Sept.	3-30				560		93
Oct.	I-30				534		107
	(Closed	1 11/2	workin	g day	vs for r	epairs).	
Nov.	2-30				492		87
Dec.	I-3I				499		78
					5,515		655

(Total number from 2nd March, 1898, to 31st December, 1903, 26,065).

THE SHELTER.

The Shelter, Grove Road, is practically a private house. It was, indeed, once the residence of the Surveyor, and has been plainly but comfortably furnished for the temporary housing of persons displaced from one or two roomed tenements during the operation of disinfection.

Hence the number of times it is used varies according to the greater or less prevalence of infectious disease. 1903 was a year in which there was no considerable amount of notifiable maladies, hence it was only used 20 times, accommodating for various periods 15 adults and 15 children.

1903.			Day or H of Occupati	Disease. No. of Person		
Jan. 3rd			4 hours	 Catarrh, weak ness*	1 adult.	
April 5th,	6th, 7	th	50 hours	 Scarlet Fever	2 adults.	
May 11th,	12th		12 hours		adults, 3 children.	
			36 hours	 Skin Disease		
Sept, 29th.			24 hours	 Scarlet Fever	2 adults.	
Oct. 19th			2 hours	 Scarlet Fever	2 adults.	
Oct. 30th			3 hours	 Puerperal Fever	2 adults.	
Nov 2nd			12 hours	 Scarlet Fever	I child.	
Nov. 2nd,			24 hours	 Scarlet Fever	I adult, I child.	
Dec. 18th,			24 hours	 Enteric Fever	1 adult, 4 children	
Dec. 20th,			24 hours	 Enteric Fever	I adult, 2 children	
Dec. 31st			i hour	 Enteric Fever	I child.	
5						

* The man was having one of the free baths when he was taken faint and received into the Shelter until he was able to be moved elsewhere.

DISINFECTION.

Owing to the moderate amount of infectious disease during 1903, disinfectant operations show a considerable decrease to that of 1902, as shown by the following comparative table :—

List of Artic	les disinfec	cted du	iring	1902	1903
Beds				619	410
Mattress	ses			647	569
Bolsters				590	580
Pillows				1,585	I,333
Sheets				1,289	820
Blankets	s			2,007	1,697
Other A	rticles			3,474	3,078
771 77	16-	- 1:		· 6 +	

The Vans were used 617 times in 1902; 615 times in 1903.

CLERICAL WORK OF THE PUBLIC HEALTH DEPARTMENT.

Mr. H. E. Curtis and Mr. W. J. Howe continue to perform the clerical work of the department in a most efficient and creditable manner. Hodges, junior, has also assisted in this and various other ways. The work tends to increase year by year because fresh Acts of Parliament impose fresh duties, besides which a large amount of work is entailed in answering communications from other local authorities. Long and elaborate lists of questions on almost every conceivable sanitary subject pour in weekly from not only the Metropolitan local bodies but also from provincial towns, some of them quite remote. So far as possible these questions are answered, but to collate the information consumes much time. Only a portion of the clerical work admits of tabulation. The following statement may, however, give some idea of what has been done during 1903 :—

REGISTER OF CLERICAL WORK.

....

1903

Number of Notifications of Infectious Disease,	
entered in Register, copied and sent to the	
Metropolitan Asylums Board and Schools,	
receipt acknowledged and filed	981
Number of complaints of Nuisances received,	-
entered in Nuisance Register and filed	755
Number of Letters despatched from the De-	100
partment	2,007
partmentNumber of Council Orders issued	178
Number of Meetings of Public Health Com-	di minima
mittee prepared for, attended, and Minutes	
drafted	23
Number of Meetings of Public Health Sub-	
Committee prepared for, attended, and	
Minutes drafted and written	58
Bakehouses, Certificates granted and	
despatched	77
Plans Registered and approved by Public	
Health Committee	333

THE SALE OF FOOD AND DRUGS ACTS.

As usual a large number of samples have been analysed under the Sale of Food and Drugs Acts. It is however, surprising how few have been found to be adulterated. The recent legislation with regard to the standardisation of milk and butter has acted beneficially. It is true that with regard to most articles for which a legal limit of quality is provided. it is open to the vendor to reduce the article down to the legal limit and he can do so with impunity. In the writer's experience this is rarely done, the majority of persons finding in the long run that it pays better to sell an article of good quality than obtain a high profit for a short time and subsequently lose business.

22I samples of milk were analysed; a good percentage of these were taken on Sundays in the streets from itinerant barrows, yet with the exception of three, they were all up to standard, and most of them of quite high quality.

Spirits have a statutory limit, the limit being an alcoholic strength of 35 degrees under proof for gin; 25 degrees under proof for the stronger spirits. 15 samples of gin were analysed, 67 of whisky, rum and brandy. The mean strength of the stronger spirits was 19 degrees under proof, while a sample of whisky and one of brandy was as strong as 4 degrees below proof. One sample of whisky was slightly below 25 degrees, and two samples of rum had been diluted just under the limit. Most of the gins were 32 degrees under proof.

A careful search for arsenic has been made in most of the samples submitted ; it has now been proved that small quantities of arsenic may be discovered with the improved processes available in a number of articles of food ; for instance herrings, eggs, tinned tomatoes and substances which have no relationship to arsenical sulphuric acid, the cause of the mass poisoning in 1900 in the Midlands contain traces of arsenic. The writer has found small traces of arsenic in a few of the articles enumerated in Table II.

In II samples of common salt, 8 were arsenic free, but 3 of the samples contained arsenic in the feeble proportion of .0024 grain per pound. The Commission on arsenical poisoning recommend that the limit of arsenical impurity should be one hundredth of a grain per lb. for solid foods, and one hundredth of a grain per gallon as regards liquids such as beer.

The interest of finding arsenic in salt lies in the fact that it is used as a preservative for various meats and enters so largely into most articles of diet.

SANITARY LEGISLATION, 1903.

There was but little amendment or extension of the existing Sanitary Law during the year, with the exception of the Housing of the Working Classes Act, which is considerably and beneficially amended by the Housing of the Working Classes Act, 1903.
The Secretary of State issued his Order during the year making detailed regulations respecting the maintenance and use of crematoria, and an important Order with regard to the Sanitary Conveniences in Factories and Workshops (extra, metropolitan) was also issued.

The Housing of the Working Classes Act, 1903, Section 1, extends the period for the repayment of loans from 60 to 80 years. In connection with this the Local Government Board state in their circular letter on the new Act (September 22nd, 1903), that they propose if future as a general rule to allow the full term of 80 years for the repayment of money borrowed for the purchase of freehold land, and 60 years for the repayment of money borrowed for the erection of buildings under the Housing Acts.

Section 3 imposes the obligation on Local Authorities. Companies, or other persons acquiring land under the Housing Acts on which there are working men's dwellings, occupied by 30 or more persons belonging to the working classes, not to enter on such dwellings until the Board have either approved of a housing scheme or decided that a scheme is not necessary. The same section applies a schedule which sets out in considerable detail, various provisions in relation to the making, enforcement and modification of such schemes.

Section 4 enables the Local Government Board to order a scheme to be made; in case of failure to make such scheme, the order may be enforced by *mandamus*.

Subsequent sections considerably simplify the procedure of putting the Act into force, and in particular enables a confirming Order of the Board to be effective in certain cases without confirmation by Parliament.

Section 8 amends the law with regard to Closing Orders. Under the old Act notice had first to be given to place the premises in repair. In many cases it was well known that the notice would not be complied with. For example, a requisition to repair extensively a dilapidated house within six months of the termination of a lease is seldom obeyed. The Act now gives power, in cases in which the Local Authority thinks a notice cannot or will not be obeyed, to apply to a magistrate and take out a summons for a closing order without giving the preliminary notice.

When houses are demolished under the Act, and the sale of the materials fails to cover the cost of the demolition the balance can be recovered from the owner as a civil debt (section 9). Section 10 gives a more speedy and efficacious way of recovery of possession of a house in respect of which a closing order has been made.

New powers are given under Section II empowering the Council if they supply lodging houses, or if they supply housing accommodation, to provide and maintain in connection with such accommodation, shops, recreation grounds or other buildings or land, which, in the opinion of the Board might serve a beneficial purpose. An authority might, for instance build a block of artisan's dwellings, with shops underneath, or provide in connection with artisan's dwellings a plot of ground for use as a play-ground for children or as a drying ground for laundry purposes.

Section 12 renders it impossible for landlords and tenants to agree to contract themselves out of the provisions of the principal Act, which enacts a condition is implied in letting a house or part of a house for habitation by the working classes that such house is at the commencement of the holding, fit for human habitation.

SANITARY ACCOMMODATION IN FACTORIES AND WORKSHOPS.

The Secretary of State has issued an order under Section 9 of the Factory and Workshop Act, 1901 (I Ed. VII. c. 22), determining what is suitable and sufficient accommodation for persons in each sex in Factories and Workshops.

The Order prescribes one sanitary convenience for every 25 males, and the same proportion for females, but there are provisions under which a less proportion is allowed in places employing 100 or more male workers.

The Order does not apply to the Metropolis, but obviously it may be taken as a guide, the more especially as the order agrees with the general practice of the Metropolitan Sanitary Authorities. For many years it has been considered that with regard to workshops, insufficient sanitary accomodation means a less proportion than one convenience to 25 workers.

TABLE I.

REPORT OF MORTUARY KEEPER.

FOR THE YEAR 1903.

Number of bodies received from January 1st to December 31st, 1903.

		Males.	. Fei	males.	Brought up		lales. 105		nales. 98
January		 21	••	17	July		15		II
February		 17		16	August		13		8
March		 17		17	September		19		17
April		 21		19	October		16		19
May		 15		17	November		14		17
June		 14		12	December		24		29
		105	1.1.1	98			206	-	199
	Total					4	05		

Number of Inquests held from January 1st to December 31st, 1903.

		Total		 		 184		
	•			91				93
June	•••			 13	December	 	•••	31
May				 15	November	 		14
April	••			 19	October	 		14
March			•••	 15	September	 		17
February				 13	August	 		II
January				 16	July	 		6

. . . .

184

Infectious Cases received.

Diphtheria	 	 	 	4
Enteric	 	 	 	I
Typhoid	 	 	 	I
	Total	 	 	6

Number of bodies received January 1st, 1889, to December 31st, 1903 .. 7,005

TABLE II.-SALE OF FOOD AND DRUGS ACTS.

					Genuine.	Adulterated.	Total.
DAIRY PRODUC	CTS-				Vere		0.01
Milk		••			218	3	221
Cream					2	-	2
Butter			••		87	-	87 21
Margarine	• ••	••		•	21	_	21 22
Lard	••				22 3	-	3
Cheese	••	••			3	_	0
LCOHOLIC BE	VERAGE	s_					
Whisky					46	_	46
Brandy					12	_	12
Gin					15	_	15
Rum						2	9
					2	_	2
Cherry Wh					1	_	2 1
Beer		••			1	-	1
ION-ALCOHOLI Coffee	IC BEVEL	RAGES-			27	_	27
Coffee and	Chicory				2		2 6
					6		6
Cocoa and					5	-	Б
CONDIMENTS-	•						11
Salt		••		••	11	_	1
Sauce					1		
Pepper					10		10
Mustard					6	-	6
Vinegar			• •	••	2 2 2		2 2 2
Ginger		••			2	_	2
Curry Pow	der			•••	2	-	2
SACCHARINE S	UBSTAN	CES-					
Sweets					1	-	1
Jam					9		9
Honey					1	-	1
Sugar					2	-	2 2
Golden Syr					2		2
Condensed	Milk				5	_	5
Peas					6	-	6
Sardines					6	_	6
Salmon					10	-	10
Pears					10	_	1
Pineapple					5	_	5
						_	1
Apricots				••	$1 \\ 2 \\ 1$	and the second second	1 2 1
Baked Bear		•••		••	ĩ		1
Tongue					î		î
Tomatoes					2		$\hat{2}$
			*	••	16		16
Lobster							
	••				10		10

SAMPLES ANALYSED DURING THE YEAR 1903.

				Genuine.	Adulterated.	Total.
	Brou	ght forward		582	5	587
RUGS-						
Bicarbonate of Soc	la			1		1
Citrate of Magnesi				2	_	$\frac{1}{2}$
Tincture of Rhuba	rb			1		I
Sweet Spirit of Nit			1.25	1		1
Camphorated Oil				1		1
Quinine				ĩ		1
Cough Mixture				1		1
cou _b n minture						
USCELLANEOUS-						
Olive Oil				4		4
Lemon Squash				2 2	-	$\frac{2}{2}$
Ginger Wine				2		2
Orange Wine				1	- 1	1
Fluid Beef				1	_	1
Flour				1	-	1
Beef Suet				1		I
Custard Powder				2	_	2
Cod Liver Oil				1		1
Pickles				3	-	3
Chutney				1		1
Force Food				1		1
Corn Flour				1		1
Pea Flour				1		1
Bottled Gooseberr				1		1
				613	5	618

SALE OF FOOD AND DRUGS ACTS-continued.

TABLE III.— TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during the year 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	(a)	ALL SOULS		RECTORY		Sr. MARY		CHRIST CHINGH		Ser Tours		Totals	
PGPU AT ALI	(δ) Census 1901 Registered Births	35,3	191 307		849 387	18,099 4 15			39,536 20,426 1003 406		20,426		301
(d) 1	Aged under 5 or over 5.	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5 5 upwards		Under 5	õ upwards
NEW CASES OF SICKNESS IN EACH LOCALITY COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.	1. Smallpox 2. Scarlatina 3. Diphtheria 4. Membranous Croup 5. Typhus 6. Enteric or Typhoid 7. Continued 8. Relapsing 9. Puerperal 10. Cholera 11. Erysipelas	··· 28 18 ··· ·· 1 ··· ·· ··	1 56 31 18 2 1 22	··· 16 13 ··· ·· ·· ·· 5	··· 46 15 ·· 1 ·· 5 ·· 69	··· 11 4 ··· ·· ·· ·· ·· 1	 32 12 6 1 20	··· 51 20 2 ··· ·· ·· 2	··· 70 20 ··· 10 ·· 58	 34 34 1 1 2	 66 38 18 1 1 14	 140 89 4 2 10	1 270 116 57 3 3 183
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.	1. Smallpox 2. Scarlatina 3. Diphtheria 4. Membranous Croup Croup 4. Membranous Croup Croup 6. Enteric or Typhoid 7. Continued 8. Relapsing 9. Puerperal 10. Cholera 11. Erysipelas	··· 28 17 1 	··· 50 29 ··· 10 ··· 1 ··· 2	 15 11 1	··· 42 13 ··· 2 ··· 2 ··· ·· 50	··· 11 3 ··· ·· ·· ··	··· 29 6 ··· 5 ·· 5 ·· 6	 47 19 1 	 49 19 7 18	··· 29 26 1 	 57 26 12 1 6	 130 76 1 2 1	 227 93 36 1 1 82

TABLE IV.—Giving the Causes of Deaths during the fifty-two Weeks ending December 26th, 1903, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Queen Char- lotte's Hospital.		Workhouse	Notting Hill Infirmary.	Hospital of St.John &, Elizabeth Grove Rd.
Smallpox						
Influenza						
Scarlet Fever						
Diphtheria	1					
Typhoid Fever				1	1	
Diarrhœa				6	9	
Erysipelas	6				6	1
Pneumonia and Pleurisy	16			5	14	1
Pyæmia	2		1		2	
Syphilis			1		15	
Cancer	127			1	51	3
Phthisis & Tuberculosis	33			7	115	14
Rheumatism						
Apoplexy	1			1	4	
Paralysis					14	
Bronchitis	19			11	112	
Asthma				232		
Peritonitis					1	
Disease of Brain					1	
Hoart	25			10	34	2
· · · · · · · · · · · · · · · · · · ·					1	
" Kidney	4				5	1
" Liver				3	9	1
" Uterus						
,, Ovary	***					
Parturition		1				
Diabetes						
Fractures and Injuries	14	***		3	17	
Old Age				2	15	
Low Vitality, Infants						
Premature Birth		24		3	6	
Other causes	127	12	11	34	105	7
Total	*376	†37	**13	87	528	‡29

* Of the 376 deaths in the Middlesex Hospital, 309 were those of non-parishioners.

+ Of the 37 deaths in Queen Charlotte's Hospital 22 were those of non-parishioners.

** Six of the 13 deaths in the Samaritan Hospital were those of non-parishioners.

[‡] Of the 29 deaths in St. John's Hospital 19 were those of non-parishioners.

	1	Death	s in w subjoi			ct at		D		in Lo all Ag	ocaliti ges).	es	Public tions.
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15,	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Publi Institutions,
Smallpox													
Measles	32	13	18	1				5		1	19	7	5
Scarlet Fever	15	2	11	1	1			2	1		9	3	12
Whooping Cough	57	26	27	4				9	6	5	23	14	9
Diphtheria and Mem-	27	1	19	7				5	2		9	11	16
branous Croup Croup	2		2								1	1	
"(Typhus													
Enteric	10					10		6		1	2	1	5
Gther continued	1			1							1		
Epidemic Influenza	18	1		1	2	8	6	3		5	7	3	1
Cholera													
Plague													
Diarrhœa	65	47	6			5	7	12	11	9	22	11	18
Enteritis	1		1									1	1
Puerperal Fever	2					2			1		1		1
Erysipelas	11					5	6	4		2	1	4	15
Other Septic Diseases	22			3	1	18		9	5	3	4	1	23
Phthisis	241	4	7	10	26	180	14	71	23	38	78	36	163
Other Tubercular	69	18	19	10	8	13	1	12	6	8	24	19	51
Diseases Cancer, Malignant	163		3		1	98	61	40	29	31	31	32	178
Bronchitis	275	41	16	·	1	73	144	50	53	40	106	26	143
Pneumonia	147	31	46	2	2	50	16	30	20	17	68	12	48
Pleurisy	3			1		2		1			2		1
Other Diseases of	3					1	2	1.			2		1
Respiratory Organs Alcoholism }	37					30	7	15	5	3	6	8	18
Venereal Diseases	13	0				3		- 3	2	1	5	2	11
Premature Birth		9 61	1					18	10	5	20	8	31
Diseases and Accidents	4		••		1			3	1				18
of Parturition Heart Diseases	1				6	101	63	38	27	24	55	30	81
Accidents	1	4			7	28	22	17	12	12	34	8	42
Suicides	1.1	13		6	3	10		2	2		6	8	8
	1.199												1
All other causes	631	131	29	8	20	247	196	123	90	85	210	123	379
All causes	2180	402	212	55	79	887	545	479	306	285	746	364	•1279

TABLE V.-Causes of, and Ages at, Death during 1903 in the Borough of St. Marylebone.

*918 of these were Non-Parishioners.

TABLE VI. — DISTRICT BIRTHS AND DEATHS FOR THE52 WEEKS ENDING DECEMBER 26TH, 1903.

	Population	Birt	hs.	Deat	ths.	
	in 1891.	Males.	Fmls.	Males.	Fmls	
All Souls Rectory St. Mary Christ Church St. John	35,391 19,849 18,099 39,536 20,426	302 200 211 533 214	305 187 204 470 192	$251 \\ 162 \\ 132 \\ 407 \\ 162$	228 144 153 339 202	
Total	133,301	146 0	1358	1114	1066	

NOTE.—In the above the births and deaths have been corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

REGISTER OF SANITARY WORK YEAR ENDING DECEMBER 31st, 1903.

PUBLIC HEALTH DEPARTMENT.

_			Distr	ict Ins	spector	s.			1		
		Mr . J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr, D. J. Andrews, No.3. District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.			Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
Pub	lie Health (London) Act.										
	(Dwelling Houses, &c	645	748	747	398	447	 				2985
	Tenements	638	193	587	745	489	 				2652
	Underground Dwellings	155	14	247	102	206	 				724
	Dairies, Milk Shops, Cow Houses	76	31	19	48	92	 				266
	Slaughter Houses	24	39	48	39	83	 				233
	Yards, Stables, and Mews	340	163	379	523	603	 				2008
tions	Smoke Shafts						 		24		24
Inspections.	Offensive Trades and Effluvia Businesses			2			 		5		7
	Refuse Receptacles	92	79	45	147	141	 			19	563
	Enquiries re non-removal of refuse	65	62	65	86	156	 			26	460
	Removal of Bodies to Mortuary	2	2	4			 				8
	Visits to Works in Progress	1828	2405	1585	2357	1817	 		138	102	10232
	Miscellaneous Inspections	1225	1280	910	2106	1284	 		249	807	7861
UNV	VHOLESOME FOOD :										
1	Number of seizures made		2	1			 			••••	3
INF	ECTIOUS DISEASE :										
	Cases Isolated	14	11	10	9	10	 				54
	Cases removed to Hospital	135	104	125	127	113	 				604
	Rooms Disinfected	227	191	154	204	239	 				1015
NEV	V DRAINAGE :										
	Number of Plans Passed	66	86	45	123	108	 		6	5	439
	New Pipe Drains (feet)	8846	1207	3950	11146	17845	 		374	200	54435
	Houses where defects in existing Drainage have been detected and remedied	101	116	101	71	111	 		2		502

REGISTER OF SANITARY WORK

YEAR ENDING DECEMBER 31st, 1903.

PUBLIC HEALTH DEPARTMENT.

	_	Distri	ct Ins	pector	rs.		1	1			
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.				Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total
actory and Workshop Act.											
Enquiries as to Occupation									148	139	287
Periodical Inspections :											
Factories									28	5	33
Workshops									625	1179	1804
Bakehouses									485	17	502
Restaurants, &c									508	2	510
Homeworkers' Premises									159	682	841
Domestic Workshops									54	35	89
							12	Enter			
ood and Drugs Act.							1				
ADULTERATION.							10.0	ente			
Samples collected for Analysis	120	122	125	120	109					25	621
and the second											
orrespondence, Legal Procedure, &c.											
mulainta sessinad	0.2	107	140	901	107				-0		
etters and Intimations relating to	50	101	142	201	191		***		53	76	869
Abatement of Nuisances	228	190	257	327	252				19	89	1362
atutory Notices Served	56	37	34	76	106				11	1	321
occeedings taken before Magistrates			6	10	3	••					19
(1) Under Public Health Act	1	2	5	3							11
(2) " Factory & Workshop Act											
(3) " Food & Drugs Act			1		1						2
(4) ,. Housing of the Working Classes Act		00									
ports made to Medical Officer of Health		23		1							24
provide to accurate one of freath		510	816	055	106			•••	247	243	2874

INDEX TO MONTHLY REPORTS.

В

					LUQE
Bakehouses					3, 13
Bentinck Court					
Closing, of		r the I	Housing	Acts	106
Births and Deat	ths-				
January					2
February					12
March					22
April					36
May					46
June July					58
July					72
August					84
September					84
October					104
November					116
Birth and Death	h rate	es per	thousar	id of	
populatio		-			
January					2
February					12
March					23
April					37
May					47
June					59
July					72
August					85
September					85
October					104
November					116
By-laws as to W	Jater	losets			8-50
2) mile us to 1		-			- 5-
		С			
Classing of Do	reone	Act			
Cleansing of Pe	150115	ACL	••		3, 38
		D			
D 11 0					
Deaths, Causes		or—			-
January	• •	• •	••	• •	-7
February	• •		• •	• •	18
March	••	•••	••	••	30
April	• •			• •	42
May	• •		• •	• •	54
June	• •	••		• •	67
July		• •	• •		79
August		• •	• •	• •	95
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April	 	 	39
May	 	 	5
June	 	 	6
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THE

SANITARY CHRONICLES

OF THE

BOROUGH OF ST. MARYLEBONE DURING JANUARY, 1903.

BY ALEXANDER WYNTER BLYTH, Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PUBLIC HEALTH DEPARTMENT, 3, UPPER GLOUCESTER PLACE, ST. MARYLEBONE, FEBRUARY 5TH, 1903. VOL. XXXX III NO. 1.

The week ending January 3rd was rainy, with bright intervals. Minimum temperature, 30.5°; maximum, 52.0°; mean, 41.2°. On six days rain fell up to 0.92 inch. The Winds were WNW. 8.3 hours of sunshine were registered in Regent's Park. Mean barometer, 29.1 inches.

The week ending January 10th was mild, wet and gloomy. Minimum temperature, 37.0° ; maximum, 52.0° ; mean, 44.4° . Rain fell every day total fall 1.0 inch. Winds WSW. Only 4 hours of sunshine were registered. Mean barometer low, 29.7 inches.

The week ending January 17th was bitterly cold owing to low temperatures and strong easterly winds. Minimum temperature, 26.0° ; maximum, 40.0° ; mean, 30.8° . Slight snow fell on two days (0.04 inch). Winds E and ENE. Sunshine about 3 and a-half hours. Mean barometer, 30.0 inches.

The week ending January 24th was milder; a sudden thaw set in and sleet, falling on the frozen ground, became a coherent film of ice. Minimum temperature, 34.0° ; maximum, 48.8° ; mean, 41.8° . On three days rain fell (0.41 inch). Winds SE and SW. Sunshine registered only 4 hours. Mean barometer 30.0° inches.

The week ending January 31st was brighter and milder than the preceding four weeks. Minimum temperature, 38.8°; maximum, 51.5°; mean, 47.7°. On three days rain fell (0.36 inch). Winds SW and WSW. Sunshine registered in Regent's Park 8 hours. Mean barometer 30.0 inches.

lo

Births and Deaths.

During the five weeks ending January 31st there have been registered 292 births and 266 deaths. These births and deaths are divided among the five sub-districts as set forth in Table III. Seventy-nine of the deaths were extra-parochial, as follows :—

St. Marylebone Infirmary	, Notting	Hill		53
North-Western Fever Ho	spital	D.M.CRL	IG	2
St. Mary's Hospital				5
University Hospital	171 9	1117.1.75	1.T.A. ?	1
St. George's Hospital				. 1
Children's Hospital, Grea	t Ormonde	e Street		1
" Paddi	ington			1
Cancer Hospital				1
Hanwell Asylum				1
Leavesden Asylum				7
Banstead Asylum				1
Manor Asylum, Epsom				1
Hostel of God				1
St. Pancras Workhouse				1
Clapham Maternity				1
In Streets				1
			Tota	1 79
			0.10	1 / 34

Total 79

All Souls, birth-rate 17.3; death-rate 14.1.

Rectory, birth-rate 22.0 ; death-rate 19.4.

St. Mary, birth-rate 17.8; death-rate 19.0.

Christ Church, birth-rate 32.1; death-rate 25.0.

St. John, birth-rate 19.3; death-rate 26.9.

The whole district, birth-rate 22.8; death-rate 20.8.

The average death-rates for five years (1897 to 1902) for the corresponding period were as follows:—All Souls, 16.4; Rectory, 26.2; St. Mary, 20.2; Christ Church, 19.5; St. John, 24.6; the whole district, 20.8.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes:

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE FIVE WEEKS ENDING JANUARY 31st, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES:—

Hortmary. Inde the Sto Wester ending Morphe, Cleves Challettels and Workstones, do Horphese and the Mortstones, do Horphese	Total Deaths. 5 weeks ending Jan. 31st, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 5 weeks ending Jan. 31, 1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1897-1902.
 Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular 	40	$150 \\ 278 \\ 124$	3·13 5·77 2·58	$2.31 \\ 6.15 \\ 2.27$

NOTES.

1. Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.

3. Includes Phthisis, Scrofula, Rickets, and Tabes.

The Health of the District.

The rates for death and sickness during January have been average rates. It is always a month of high mortality mainly due to fatal chest affections.

There has not been a single case of small pox, and other zymotic maladies have not been unduly prevalent.

Bakehouses.

An inspection of the 84 so called underground bakehouses has been made, and the results will be reported to the Public Health Committee at their next meeting.

The Cleansing of Persons Act.

During the month 406 males and 12 females took advantage of the cleansing baths, and had their clothes disinfected.

The Mortuary.

This handsome building will be now lit by the electric light, and also connected with the Telephone system. When the connection is laid the Town Hall, the Baths and Washhouses, the Sanitary Offices and the Mortuary will all be in communication with each other. It was specially important to unite the Mortuary and Coroner's Court with the system, because each year a large number of cases of death occur which require instant removal to the Mortuary.

TABLE II.—Giving the Canses of Deaths during the five Weeks ending January 31st, 1903, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Char-	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove Rd
0 11						
Smallpox						
Influenza						
Scarlet Fever						
Diphtheria	••					
Typhoid Fever	••		••			
Diarrhœa			••			
Erysipelas					2	
Pneumonia and Pleurisy	3			2	2	
Pyæmia						
Syphilis			1		••	
Cancer	10				3	
Phthisis & Tuberculosis	8				12	1
Rheumatism	••					
Apoplexy						
Paralysis	•:				2	
Bronchitis	1				13	
Asthma						
Peritonitis		1010 · · · · · · · · · · · · · · · · · ·		800	0.0000	
Disease of Brain				••		
" Heart	2			2	7	
" Kidney						
" Liver						
" Uterus			·			
Ovary				1.01.011	1984.801	
Parturition						
Diabetes	•••					
Fractures and Injuries	3				2	
Old Age		3		TIPOTO I		
Low Vitality, Infants		••	••			
Premature Birth	::	.:			and evening	101
Other causes	10	I		3	10	1
Total	*37	+1	**1	7	53	<u>‡</u> 2

* Of the 37 deaths in the Middlesex Hospital, 32 were those of non-parishioners.

† The 1 death in Queen Charlotte's Hospital was that of an infant.

‡ One of the 2 deaths in St. John's Hospital was that of a non-parishioner.

** The death in the Samaritan Hospital was that of a non-parishioner.

TABLE III. — TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during January, 1903; elassified according to DISEASES, AGES, AND LOCALITIES.

		ig to Dist		22.0120	-,		C IL III I							
11111111111111111111111111111111111111	(a)	100000	ALL SOULS	0	RECTORY		Sr. MARY		CHRIST CHURCH		Sr. Jour		Totala	
POPULATION AT ALL AGES.	(b) Cer	asus 1901	35,3	91 .	19,8	49	18,0	999	39,1	136	20,	426	133,	301
	egister	ed Births		59		42	:	31	12	2	3	18	2	92
								107						05
(<i>d</i>)	Aged or ov	under 5 er 5	Under 5	5 upwards	Under 5	5 upwards	Under 5	ő upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
	1. Chi	icken Pox	1	1			1	1	- 1	1	1		4	3
ICAI	2. Sn	nallpox			• ••									
MED	3. Sc	arlatina .		3	1	1		1	4	3	5	3	10	11
LOC	4. Di	phtheria	1	1		3		2		2	2		3	7
NEW CASES OF SICKNESS IN EACH LOCALITY COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.	5. Me	mbranous Croup												
EDG1	<i>[</i> 6.	Typhus												
S OF SICKNESS CHE KNOWLEI OFFICER OF		Enteric or Typhoid		2				2		1		2		7
OF S S AU	FEVERS.	Continued												
O TI	9.	Relapsing												
W CJ	10	. Puerperal												
NEI	11. C	holera												
	12. E	rysipelas.		1		3		2		5	1	2	_ 1	
EIR AT-	1. Sn	nallpox												
TRE TRE	2. Se	arlatina		1	1	1		1	4	3	5	2	10	8
FOR LS.	S. Di	phtheria	1	1		2		2		2	1	••	2	7
OVED 1 LITLES OSPITA	4. M	embranous Croup												
AEM OCAI	15.	Typhus .												
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.		Enteric or Typhoid		1				2		.:		2		5
NEVE VISC	FRVERS.	Continued												
P SUG HE S	8.	Relapsing												
R OP	19.	Puerperal												
MBR	10. C	holera												
NU	11. E	rysipelas				3		1		5				9
				-					-	-			-	-

	Population	Bir	tlis.	Dea	aths.
	in 1891.	Males.	Fmls.	Males,	Fml
All Souls	 35,: 91	37	22	26	22
Rectory	 19,849	25	17	20	17
St. Mary	 18,099	20	11	10	23
Christ Church	 39,536	70	52	40	55
St. John	 20,426	21	17	26	27

TABLE IV .- DISTRICT BIRTHS AND DEATHS FOR THE

NOTE.-In the above the births and deaths have all been properly corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

																						JAI	NU	AF	RY,	19	903	÷.																						
									C				SH																										0)F										
											SC	AF	RLI	ET	FE	EV.	ER	, D	IP	HT	HE	RI	Α,	A	ND) T	YP	PHO	DIC) F	EV	ER	D	UF	IN	G	190)3												
Month.	J	ANI	UAR	Y.	F	EBR	UA	RY		MA	RC	н.	T		APR	IL.	_	I	3	AY			Jt	INE		Γ		JUL	Y.		,	UG	UST		SEI	TE	MB	CR.		OCT	OB	ER.	T	NO	VEM	BER	D	ECE	MBE	IR.
Week. 40	1	2	3 4	5	6	7	8	9	10	11	1 19	8 18	8 14	1	\$ 16	5 1	7 18	19	20	21	22	28	24	25	28	27	28	29	30	81	32	38	34	35	36	87	38	89	40	41	12	43	44	45	46 4	17 4	8 49	50	51	52
35																																									-									
30																															-																	-		
25																																																		
20																																	-																	
15																															-					-		*.	×	*.										
10																				X			×	×	·×-	*	*	*	*	*		*		1	*	*	*					* 3	~	×	*		×			
5	*	~*	*	*	XX	*	**	*	×	×	×	~	*	*	×	*	*	*	**		*		~	**	*			-X.	-*.		*	*	*	*			*	*	*	×	X	****	*	1	X	**	~	*	x	*
0	X	X	1	×				127	*		.*.		>>		*	*					-*										*		****	*												**		**	~~~	
10	Ħ	Ŧ	Ŧ	E					E	E	E	E	E	E	E	E	Ŧ	F	E	-	E	E				E						-	-	-	-	-	-	Ŧ	-	-	Ŧ	+	Ŧ	Ŧ	Ŧ	Ŧ	F	F	H	E
5	1																-												*			-	-						100.		-	+	100		****	e x	· · · × ·			-
0	->	1	1×	*	*	-*-	*	·x-	×	×	.×	·×	×	×	-*.	~	*	×		-×.	·**·		~×:	·	· ×·	×	-×:	×		×	-	×.	***	×:	SK -		-1.	*	1	+	Ť	×	+	1	-				××	:X:
	NOT	ES	:				_								S	car	let	Fei	ver		-	_	-		_	-	-	+			Di	phi	her	ia		-	-	-	_	-			-			Tu	pho	id I	Feve	r
														×			·*				-*		×	4	nore	ade	of	Sa	zel	et A					10	uer	LTS	end	lin	g 15										
														×-										ed i	,,		,,	Dij	pht	her				••	10			17	, or by		"									
											,			·₩		*)	×)	¢	-*-		*					19	pno	nuto"	reb	or																		



TABLE VCauses	of,	and	Ages	at, Death	during	the 5 weeks	
ending January							

			s in v subjoi		Distri Ages.	ct at		D		in Lo all Ag		es	in Public outions.
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15,	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Publ Institutions,
Smallpox										.:			
Measles	2	2						2					
Scarlet Fever													
Whooping Cough	21	4	14	3				1	4	3	5	8	1
Diphtheria and Mem- branous Croup	4	1	3				÷	2			1	1	
Oroup					••								
Typhus													
Enteric Other continued	21		••			2		1			1		
	6												
Chalana						3	2	1		1	3	1	1
Diagua													
Dismlans													
Therefore I & La			1				1			1		1	2
D. I.D.													
72													
Conter Septic Diseases						1	2			2		1	3
Phthisis					1	20				6			3
Other Tubercular	9	2	5		1012	1	2	1	1	1. 19	8	6	10
Cancer, Malignant	15			1		11		5		 3	4	3	8
Disease	46	5				9	29	4		6	26	5	17
Desumants	28	6	7			9	4	4	7	2		5	17
Disector						1	11 11-11				10		8
Other Diseases of													
Respiratory Organs Alcoholism { Cirrhosis of Liver }	3										2		
Warmed Di													
		2											
Diseases and Accidents			••					1				1	
of Parturition Heart Diseases	21												
Anaidanta	9					15	8	3	2		5	6	12
Suicides	1					1				1	3		6
						-					1		1
All other causes	68	18	4	1	1	26	18	-17	9	8	22	12	30
All causes	266	43	. 39	6	4	98	76	48	37	33	95	53	119*

*Of these 34 were non-parishioners.

REGISTER OF SANITARY WORK Month ending 31st January, 1903.

PUBLIC HEALTH DEPARTMENT.

		1	Distri	ct Ins	nector	8.	1		1	1		
		Mr. J. Hodges,	1	J. Andrews,	Forniot,	1				Mr. R. Phillips, Special Duties.	Miss F. A. Baker,	Total.
Publ	lic Health (London) Act.		1									
	(Dwelling Houses, &c	53	47	60	39	45						244
	Tenements	. 48	6	50	60	41						205
	Underground Dwellings	. 11	4	25	12	18						70
	Dairies, Milk Shops, Cow Houses	3 7	2		4	9						22
	Slaughter Houses	. 1	3			3						7
vi.	Yards, Stables, and Mews	. 22	16	25	30	32						125
tions	Smoke Shafts									3		3
Inspections.	Offensive Trades and Effluvia Businesses									1		1
	Refuse Receptacles	. 10	9	6	8	10					2	45
	Enquiries re non-removal of refuse	9	11	12	8	7						47
	Removal of Bodies to Mortuary				·							
	Visits to Works in Progress	. 240	236	250	288	237					19	1270
	Miscellaneous Inspections	. 75	60	50	180	69					70	504
	HOLESOME FOOD.											
N	Number of seizures made			·								
INFE	CTIOUS DISEASE :											
	Cases Isolated	. 2	5		1	1						9
	Cases removed to Hospital	1.	8	9	9	3						34
	Rooms Disinfected		13	9	15	11						59
	DRAINAGE :											
	Jumber of Plans Passed	. 8	6	7	18	3					3	45
	lew Pipe Drains (feet)		730	500	650	1612				8	80	4436
н	Iouses where defects in existing Drainage have been detected and remedied	E I	9	6	8	11						44

-

REGISTER OF SANITARY WORK Month Ending 31st January, 1903.

PUBLIC HEALTH DEPARTMENT.

	I	istrie	t Insp	ectors	8.				
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.		Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
Factory and Workshop Act.									
Enquiries as to Occupation						 	 20	5	25
Periodical Inspections :									
Factories						 	 3	2	5
Workshops						 	 36	140	176
Bakehouses		÷				 	 78		78
Restaurants, &c						 	 40		40
Homeworkers' Premises						 	 32	62	94
Domestic Workshops	1					 	 12	4	16
Food and Drugs Act. ADULTERATION. Samples collected for Analysis	7		5			 	 	19	31
Correspondence, Legal Procedure &c.									
Complaints received	4		13	14	11	 	 3	4	49
Letters and Intimations relating to Abatement of Nuisances			23	28	21	 	 4	9	100
Statutory Notices Served	10		6	12	11	 	 1		40
Proceedings taken before Magistrates				1	3	 	 		
(1) Under Public Health Act						 	 		
(2) "Factory & Workshop Ac	t					 	 		
(3) " Food & Drugs Act						 	 		
Reports made to Medical Officer of Health	1 28	10	35	49	58	 	 	20	200

T . 111 5 13 14 to Medical sufficer of

SANITARY CHRONELES

OF THE

THE

SURGED

BOROUGH OF ST. MARYLEBONE

DURING FEBRUARY, 1903.

BY ALEXANDER WYNTER BLYTH,

Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PRINTED BY ORDER OF THE COUNCIL.

	Town	HALL,	ST.	MARYLEBONE,	MARCH	бтн,	1903.	
VOL. XX	F. 111 .							No. 2

The week ending February 7th was cool and dull. Minimum temperature, 30.0°; maximum, 52.0°; mean, 43.8°. On two days rain and slight snow fell. Winds SW and WSW. About 13 hours of sunshine were registered in Regent's Park. Mean barometer, 29.8 inches.

The week ending February 14th was dull and rainless. Minimum temperature, 37.0°; maximum, 56.0°; mean, 48.7°. Only 10 hours out of a possible 67 were registered in Regent's Park. The winds were WNW. Mean barometer, 30.2 inches.

The week ending February 21st was much brighter than the preceding. Minimum temperature, 28.0° ; maximum, 58.0° ; mean, 42.9° . Sunshine $25^{\circ}/_{o}$. On two days showers fell to the extent of .04 inch. Mean barometer, 30.1 inches.

The week ending February 28th was one of storm. Minimum temperature, $36\cdot2^\circ$; maximum, $55\cdot0^\circ$; mean, $45\cdot9^\circ$. On four days showers of hail and rain gave 0.7 inch of rainfall. On every day there were squalls of wind, but a gale of hurricane force blew on the 27th. The direction of the winds was SW and WSW. The sunshine amounted to 13 hours, equal to $17^\circ/_{\circ}$ Mean barometer 29.6° inches.

Births and Deaths.

During the four weeks ending February 28th there have been registered 254 births and 168 deaths. These births and deaths are divided among the five sub-districts as set forth in Table IV. Seventy-eight of the deaths were extra-parochial, as follows :—

print of our and the second of				
St. Marylebone Infirmary,	Notting H	Gill		43
North-Western Fever Hos	spital			2
Western Fever Hospital		• •		2
University Hospital				1
St. Thomas's Hospital				2
St. George's Hospital				1
Westminster Hospital				1
National Hospital				1
French Hospital				1
Hostel of God				1
Hanwell Asylum				2
Colney Hatch Asylum	a e			4
Manor Asylum, Epsom				1
Hoxton House Asylum	·			1
Caterham Asylum				1
Claybury Asylum			• •	2
Peckham House Asylum				1
In the Streets	•••			1
			Tot	al 68

The birth and death-rates, as deduced from the four weeks' statistics, were as follows :---

All Souls, birth-rate 19.1; death-rate 14.4.

Rectory, birth-rate 19.6; death-rate 15.7.

St. Mary, birth-rate 25.3; death-rate 15.8.

Christ Church, birth-rate 32.9; death-rate 19.4.

St. John, birth-rate 23.5; death-rate 15.3.

The whole district, birth-rate 24.8; death-rate 16.4.

The average death-rates for five years (1897 to 1902) for the corresponding period were as follows :—All Souls, 19.4; Rectory, 31.9; St. Mary, 24.6; Christ Church, 25.0; St. John, 20.7; the whole district, 23.6.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes.

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE FOUR WEEKS ENDING FEBRUARY 28TH, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES:-

		Total Deaths. 4 weeks ending Feb. 28th, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 4 weeks ending Feb. 28, 1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1897-1902.
1. 2. 3.	Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular	19	$ \begin{array}{c} 113 \\ 214 \\ 137 \end{array} $	1.86 3.52 2.25	2·81 4·84 2·47

NOTES.

1. Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.

3. Includes Phthisis, Scrofula, Rickets, and Tabes.

Health of the District.

Chest affections generally have been below the average. A glance at the curve, opposite page 14 shows that scarlet fever is increasing, and above the average. Nevertheless, as regards fatal fevers, these have been below the average. This combination of causes gives a death-rate singularly low for the month. It has, indeed, been a most favourable winter for the very old and the very young—the two classes which suffer most from cold, fog, and damp.

Bakehouses.

All the bakehouses in the district which are technically underground have been inspected. Over fifty were found either first-class as to light, ventilation, and construction, or sufficiently good as to admit, with very little amendment, of being recommended for certification, and certificates to these have been sanctioned. Some others remain which are under the consideration of the Public Health Committee. A few of them, having but one or two years' leases to run, will probably lapse, extensive structural alterations being required.

In all those certified the ventilation was found to be good, the oven fires connected with long flues producing sufficient " head " to cause the outside air to press through every crevice. It must, however, be observed that on account of the cold draughts in bakehouses, the workers almost invariably stop up ventilating openings. The owner of a bakehouse may spend whatever money he pleases as to ventilation; he may carry up special flues, provide electric fans, and what not-to only discover that all appliances which can be easily got at have been bunged up with sacking or other obstructions. The writer found one particular bakehouse, which, of course, cannot under present conditions, be recommended for a certificate, quite exceptionally bad as regards ventilation. In this case the bread and pastry is baked by gas. Rows upon rows of gas burners heat various ovens, without any flue carrying off the fumes. In the centre of the room is, however, a large square ventilating shaft passing up through the roof. This shaft was of course at the time of visit found stuffed up by an old sack. Even after removal of the sack the carbonic acid gas in the air was found to be 22 per 10,000 (ordinary air being from 4 to 8 per 10,000). Besides this it contained traces of the poisonous carbon monoxide gas.

Prosecution under the Public Health (London) Act.

The considerable number of notices with regard to sanitary matters have been obeyed without trouble, save in one instance. The occupier of 125, Great Portland Street, was summoned before Mr. Plowden for placing an improper receptacle on the kerb. The magistrate dismissed the summons on the purely technical ground that no evidence was before him that a notice had been hung on the street lamps, in compliance with the Act. He, however, stated that the Dust Inspector could take out a fresh summons if he was prepared to produce such evidence.



FEBRUARY, 1903.

CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER DURING 1903





TABLE II.—Giving the Canses of Deaths during the four Weeks ending February 28th, 1903, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Char-	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove Rd.
Constitution		1 anno 1		in the second		
Smallpox						
Influenza Scarlet Fever						
					÷.	
Diphtheria	••					
Typhoid Fever Diarrhœa	• •				ï	
				2		
Erysipelas Pneumonia and Pleurisy	2			.;		
				1		
Pyæmia						
Syphilis	7					
Phthisis & Tuberculosis	4				7	
Rheumatism	-				i	
Apoplexy					022	
Paralysis						
Bronchitis	ï				11	
Asthma	0.1				1	
Peritonitis			,			
Disease of Brain						
Hoart	'n				2	
Vidney	7				-	
Livor						
Titowno						
" Ovary					and the second	
Parturition						
Diabetes						
Fractures and Injuries	1				2	
Old Age					2	
Low Vitality, Infants		242				
Premature Birth	1	4				
Other causes	10	i	2		7	
		-				
Total	*27	+5	2	8	43	

* Of the 27 deaths in the Middlesex Hospital, 25 were those of non-parishioners.

[†] Four of the 5 deaths in Queen Charlotte's Hospital were those of non-parishioners; they were all infants.
TABLE III. — TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during February, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	(a)	ALL SOULS		RECTORY		Sr. MARY		CHRIST CHURCH		ST. JOHN		Totals	
POPULATION AT ALL AGES.	(b) Census 1901	35,3	-	19,8	_	18,0		39,4	536	20,4	426	133,	301
(c) R	legistered Births	1	52		30	3	15	10	0	3	17	2	54
(<i>d</i>)	Aged under 5 or over 5	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
MEDICAL	2. Smallpox				 5							T. 8	28
A ME	8. Scarlatina	2	4	2	2	1	1	1		2	3	8	10
EW CASES OF SICKNESS IN EACH LOCALITY CING TO THE KNOWLHDGE OF THE MEDIC OFFICER OF HEALTH.	 4. Diphtheria 5. Membranous Croup 												
S IN DGE HE	/6. Typhus												
S OF SICKNESS CHE KNOWLEI OFFICER OF	7. Enteric or Typhoid		1		1		1				3		6
OF S S AO	S. Continued				••		••				••	• •	••
SES 0 TE	9. Relapsing						••		**	••		••	
NEW CASE COMING TO 7	10. Puerperal						••						
NEV	11. Cholera						••		••				
Ŭ	12. Erysipelas.		1		10		• •		8		1		20
a -	1. Smallpox												
THT [RE]	2. Scarlatina	2	3	2	5	1	1	2	7	1	7	8	23
ROM OR	3. Diphtheria	2	3		2		1	1		1	3	4	9
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.	4. Membranous Croup												
EMO DOAT	5. Typhus .												
ASES R RAL LO	6. Enteric or Typhoid	i			1		1				2		4
N IS	7. Continued												
SUC HE S	S. Relapsing												
IN T MR	9. Puerperal								••				
(BEI	10. Cholera .												
KO H	11. Erysipelas .		1		10				4				15

TABLE	IV.	DIST	RICT B	IRTHS	AND	DEAT	HS FOR	THE
FO	UR	WEEKS	ENDING	FEBR	UARY	28тн,	1903.	

	. 35, 91 . 19,849 . 18,099 . 39,536	Births.		Dea	ths.
		Males.	Fmls.	Males.	Fmls
All Souls	35,191	23	29	21	18
Rectory		12	18	8	16
St. Mary		22	13	13	9
Christ Čhurch	39,536	58	42	29	30
St. John		23	14	4	20
Total	133,301	138	116	75	93

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

.

A STATE OF STATE		Deatl	ns in v subjo			ict at		D		in Lo all Ag		es	iblic is,
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Public Institutions,
Smallpox													
Measles	1	1								1			1
Scarlet Fever	2		2								1	1	2
Whooping Cough	6	4	2								6		
Diphtheria and Meni-	1			1				1					1
branous Croup Croup													1. 12
(Typhus													- 11
Enteric										1.00			
Other continued												1	1.1.
Epidemic Influenza	2					2	••	1					1
Obalana				••								1.	· · · · · · · · · · · · · · · · · · ·
				••								• 1	
Plague		6		••								••	**
Diarrhœa	7		**	••		1		2	1		4		3
Enteritis				••									
Puerperal Feyer			••								**		
Erysipelas	••			••							**		
Other Septic Diseases	3			••		3		2	1				2
Phthisis	19	2		2	5	9	1	5	1	2	9	2	15
Other Tubercular Diseases	4	1		2		1		1		1		2	
Cancer, Malignant Disease	13					7	6	2	2	6	2	1	13
Bronchitis	28	7	8			ð	13	6	4	2	11	5	13
Pneumonia	8	1	1			6		2	2	1	3		8
Pleurisy													
Other Diseases of													
Respiratory Organs Alcoholism	2					2			1		1		
Variable of mile y													1
Premature Birth	5	ő						3	1	1			6
Diseases and Accidents of Parturition				•••			••				••	• • •	1
Heart Diseases	12	1			1	7	3	1	2		7	2	4
Accidents	6	1	1	•••	1	3		2	•	1	3	••	3
Suicides					•• •								
All other causes	49	7		1		28	13	11	9	7	12	10	38
All causes	168	36	9	6	7	74	36	39	24	22	59	24	110*

TABLE V.-Causes of, and Ages at, Death during the 4 weeks ending February 28th, 1903, in the Borough of St. Marylebone.

*29 of these were uon-parishioners.

REGISTER OF SANITARY WORK Month Ending February 28th, 1903.

PUBLIC HEALTH DEPARTMENT.

		-	D	istrict		ectors	•				er,	
			Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews No.3, District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.	E. Lumley, Dust Inspector.		Mr. R. Phillips, Special Duties.	Miss F. A. Baker,	Total.
Publi	ie Health (London) Act.								1			
	Dwelling Houses, &c	{	48	53	45	19	39			 		204
	Tenements		38		35	32	27			 		132
	Underground Dwellings		14		20	10	15			 		59
	Dairies, Milk Shops, Cow House	es	2	1	2	6	7			 		18
	Slaughter Houses		2	3			1			 		6
	Yards, Stables, and Mews		21	7	35	35	46			 		144
tions	Smoke Shafts									 		
Inspections.	Offensive Trades and Effluvi Businesses	ia								 		
Г	Refuse Receptacles		6	4	5	13	10	44		 		82
	Enquiries re non-removal of refus	se	4	7	6	6	7	48		 	3	81
	Removal of Bodies to Mortuary									 		
			170	180		260	270			 59	13	1102
	Miscellaneous Inspections		52	86	45	180	91	150		 76	67	747
UNW	HOLESOME FOOD.									100	T Della	
1	Number of seizures made									 		
INFF	ECTIOUS DISEASE :										-	
(Cases Isolated			1		1	2			 		4
(Cases removed to Hospital		16	8	9	10	11			 		54
1	Rooms Disinfected		24	20	-9	15	26			 		94
NEW	DRAINAGE :											
1	Number of Plans Passed		6	5		8	5			 2		26
1	New Pipe Drains (feet)			1036		1206	1468			 120		5045
	Houses where defects in existi Drainage have been detected a remedied	ing	8	6	5	8	7			 1		35

REGISTER OF SANITARY WORK Month ending February 28th, 1903.

PUBLIC HEALTH DEPARTMENT.

A CONTRACT OF		Distri	et Ins	pector	rs.			1	1		
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.	E. Lumley, Dust Inspector.			Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
actory and Workshop Act.	1				30			133	dist.s		allen
Enquiries as to Occupation									18	4	22
Periodical Inspections :	24									in rece	
Factories										2	2
Workshops									89	148	237
Bakehouses									78	10	88
Restaurants, &c									40	See."	40
Homeworkers' Premises									10	49	59
Domestic Workshops						5.00				2	2
ood and Drugs Act.	ũ,						100	1 10	att a		
ADULTERATION.	2.	1.				1-711			tain.		
Samples collected for Analysis	13	19	15		6	IZ o	in i	-120	1.00		53
2011 64 86	451	1.85	120								
orrespondence, Legal Procedure		BR.									
&e.		2									
complaints received	9	8	10	30	9	10			5	8	89
etters and Intimations relating to Abatement of Nuisances	0 M	13	20	36	27	30		381	2	5	158
tatutory Notices Served	1.1	2		10	7						23
roceedings taken before Magistrates			•								
(1) Under Public Health Act											
	1				***			1.00			
	1								1.1		
(3) ,, Food & Drugs Act Reports made to Medical Officer of Health		23	29	63							
Porto made to medical Onicer of Health	02	20	29	6.5	58	30			33	20	288
				mites	29	1 21		1		iner:	

SANITARY CHRONICLES

THE

SUNGE

OF THE

BOROUGH OF ST. MARYLEBONE

DURING MARCH, 1903,

Containing a Quarterly Summary of the Mortality Statistics for the Quarter ending March 28th, 1903, and the Quarterly Statement of Analytical Work done under the Sale of Food and Drugs Act, &c.,

BY ALEXANDER WYNTER BLYTH,

Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PRINTED BY ORDER OF THE COUNCIL.

3, UPPER GLOUCESTER PLACE, W., ST. MARYLEBONE, APRIL 8TH, 1903. Vol. XXN. III _ No

No. 3.

The week ending March 7th was stormy and wet. Minimum temperature, 35.0° ; maximum, 54.0° ; mean, 42.8° . On five days rain fell, total rainfall, 1.22 inch. Strong westerly winds prevailed. Sunshine registered in Regent's Park equal to $13^{\circ}/_{\circ}$. Mean barometer, 29.6 inches.

The week ending March 14th was brighter and drier. Minimum temperature, 30.5° ; maximum, 57.0° ; mean, 44.7° . On three days slight rain fell, 0.12 inch. The winds were westerly. Sunshine, $29^{\circ}/_{\odot}$. Mean barometer, 29.9 inches.

The week ending March 21st was characterised by strong westerly and south-westerly gales. Minimum temperature, $35\cdot4^\circ$; maximum, $55\cdot8^\circ$; mean, $47\cdot9^\circ$. On two days rain fell, 0.14 inch. Sunshine equal to $24\cdot2^\circ/_{\circ}$. Mean barometer, 29.9 inches.

The week ending March 28th was also stormy. Minimum temperature, 38.0°; maximum, 67.0°; mean, 53.9°. Winds SW. Sunshine, 23.8°/o. Mean barometer, 29.5 inches.

Births and Deaths.

During the four weeks ending March 28th there have been registered 229 births and 205 deaths; equal to a birth-rate of 22.4 per thousand, and a death-rate of 20.0 per thousand.

QUARTERLY SUMMARY.

During the March Quarter there have been registered 775 births and 639 d-aths. These births and deaths are divided among the five sub-districts as set forth in Table VI. 225 of the deaths were extra-parochial, as follows: -

St. Marylebone Infirmary, Notting Hill			142
North-Western Fever Hospital			5
Western Fever Hospital			3
University Hospital			4
St. Mary's Hospital	1.1.1.7.1		10
St. Thomas's Hospital			2
St. George's Hospital	in a ser a		2
St. Bartholomew's Hospital			3
Westminster Hospital			ĩ
Charing Cross Hospital			2
National Hospital			ĩ
Royal Free Hospital			ī
French Hospital		•••	- 1
German Hospital			1
Hostel of God	••		2
Hanwell Asylum			5
Leavesden Asylum		•••	8
Colney Hatch Asylum		•••	5
Banstead Asylum			2
		•••	2
Manor Asylum, Epsom		••	20
Horton Asylum		••	$\frac{2}{1}$
Hoxton House Asylum	• •	••	1
Darenth Asylum			1
Caterham Asylum	••		2
Claybury Asylum	••	• •	3
Peckham House Asylum	••	• •	1
Children's Hospital, Great Ormonde Str	eet		3
,, ,, Paddington			2
Cancer Hospital		• •	1
St. Pancras Workhouse		••	1
Paddington Workhouse		• •	1
St. Anne's Home	••		. 1
Clapham Maternity			1
In the Streets			3

Total 225

22

The birth and death-rates, as deduced from the quarter statistics, are as follows :--

All Souls, birth-rate 18.4; death-rate 14.9. Rectory, birth-rate 19.1; death-rate 17.3. St. Mary, birth-rate 21.0; death-rate 16.9. Christ Church, birth-rate 31.6; death-rate 23.5. St. John, birth-rate 21.1; death-rate 21.5. The whole district, birth-rate 23.3; death-rate 19.2.

The average death-rates for five years (1897 to 1902) for the corresponding period were as follows :—All Souls, 18.1; Rectory, 28.7; St. Mary, 22.5; Christ Church, 22.6; St. John, 22.2; the whole district, 22.2.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes.

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE THIRTEEN WEEKS ENDING MARCH 28TH, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES :---

		Total Deaths. 13 weeks ending Mar. 28th, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 13 weeks ending Mar. 28, 1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1897-1902
1. 2. 3.	Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular	83	139 246 127	2·53 4·72 2·44	2·76 6·14 2·44

NOTES.

- 1. Includes Smailpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.
- 3. Includes Phthisis, Scrofula, Rickets, and Tabes.

Measles.

An Order has recently been issued applying certain sections of the Public Health (London) Act to "Measles." Hitherto, although it is well known to be a most infectious malady, a child suffering from measles could be conveyed in a public conveyance, or could be sent to school, or exposed in any thoroughfare, and those in charge of the sufferer would not be liable to any penalty under the Sanitary Acts. Besides this disinfection would not be compulsory. From April 1st this is altered, and the law applicable to notifiable diseases will be applicable to measles. On the other hand there is no notification as to measles, nor is there any provision for Hospital accommodation. Information of the prevalence of the malady is only indirectly obtainable from the returns of school attendance and the Registrar's returns of deaths.

The deaths from measles in the whole of London vary in different years from about 5 per 10,000 of all ages up to a little more than 8 per 10,000. Since, however, measles is essentially a disease of children it is better studied in relation to the child population.

The deaths in 1901 in all London were equal to 37 per 10,000 children (under 5 years of age). St. Marylebone curiously enough has suffered very little from fatal measles in comparison with other London districts; in a useful table compiled by the Medical Officer of Health for the County, it is there shown that St. Marylebone, Paddington, and Hampstead, have had a lower mortality from measles than 25 other Metropolitan districts.

Measles varies much in virulence, and the relationship between the number of cases and the number of deaths is very different in different years. Probably for every 3 deaths at least 100 cases of sickness occur. In 1902 there were 86 deaths from measles in the Borough, and this would represent about 2,800 cases.

1902 was not an exceptional year as regards measles, it may, therefore, be confidently stated that from 2,000 to 6,000 cases occur annually. Hence, if even the cases brought to notice incidentally through the channels already mentioned have to be visited, recorded, and the usual disinfecting operations put in force, it is obvious the present staff will not be able to cope with the work. It seems to the writer the best course would be to adopt the system in force in most of the Boroughs, and to relieve the present staff from the duty of disinfection, and appoint a special staff of disinfectors.

If Hospital accommodation for bad cases had been provided, and then notification of measles adopted, there is little doubt much good would have been effected. Under present conditions without facilities for isolation and without notification, the results as regards controlling spread, will not be commensurate with the considerable pecuniary outlay involved.

Hence the wisdom of making the Order is open to criticism, on the ground of its small utility—a half-hearted measure, expensive in its incidence, partial in its application and inefficacious to reduce the mortality or to control the spread of the disease.

The Laboratory. Sale of Food and Drugs Acts.

The usual large number of samples were analysed during the March quarter. It is satisfactory to note that the dairy produce, that is, milk and butter, was of good quality, and in no single instance below the standards laid down by the Board of Agriculture.

Two samples of Rum had been reduced slightly below the statutory strength, and were certified accordingly.

The remainder of the 177 samples call for no special notice. The complete list is tabulated at page 32.

TABLE II.- TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during March, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	(a)	ALL SOULS		RECTORY		Sr. MARY		CHRIST CHURCH		Sr. Towe		Totals	
Popu AT AL	(b) Census 1901	35,3	891 52	19,	849 25	18,	099	39,	536 90	20,1	126	133,	301
(d) .	Aged under 5 or over 5.	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwerds	Under 5	5 upwards	Under 5	5 upwards
	1. Chicken Pox		1					11.1.1		1.0			
110AL	2 Smallpox	•											
MED	3. Scarlatina	1	4		4	1	3	3	2	7	11	12	23
H I HH	4. Diphtheria		3				1	10	1	2	5	2	10
OF SICKNESS IN EACH LOCALITY THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.	5. Membranous Croup				1								1
EDG FDG	6. Typhus										1		
SICKNI KNOWL CBB O	7. Enteric or Typhoid										1		1
ANO AND	8. Continued												
NEW CASES OF COMING TO THE OFF	9. Relapsing												
DA NG	\10. Puerperal		1										1
INOC	11.Cholera												
~ ~	12. Erysipelas			1	2		1		2	1	1	2	6
IBIR AT-	(1. Smallpox												
TRE	3. Scarlatina	1	4		2	1	2	2	2	4	10	8	20
PROR FOR	3. Diphtheria		3				11		1	2	4	2	8
LITIES	4. Membranous Croup												
REA OCA ON 1	(5. Typhus												
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TERAT- MENT IN ISOLATION HOSPITALS.	6. Enteric or Typhoid										1		1
BEV BEV	Typhoid 7. Continued												
THE NT I	8. Relapsing												
KR 0	(9. Puerperal		1										1
MBI	10. Cholera												
HO	11. Erysipelas				1						1		2



CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER DURING 1903

MARCH, 1903.





TABLE III. — TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during March Quarter, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

		(a)	ALL SOULS		RECTORY		ST. MARY		CHRIST CHURCH		Sr. Jour		Totals	CINNUA
AT ALL AGES.		Census 1901 stered Births	35,8		19,8		18,0		39,		20,		133,	
(0) 1	tegi	stereu birtus	10	20		97		95	31	2	10	15		775
(d)	A	ged under 5 rover5	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	ő upwards
	11.	Chicken Pox	1	1			1	1	1	1	1		4	3
ICAL	2.	Smallpox												
ULAN WEIGHT	8.	Scarlatina	3	11	3	10	2	4	9	16	13	21	30	62
RR 1	4.	Diphtheria	3	8	2	4	1	4	1	3	6	8	13	27
SALTH.	5.	Membranous Croup				1								1
H d		6. Typhus												
OMING TO THE KNOWLEDGE OF THE MEDICAL OPPICER OF HEALTH.	RS.	7. Enteric or Typhoid		3		1		3		1		6		14
UP I	FRVERS.	8. Continued												
O TI	-	9. Relapsing												
T BN		10. Puerperal		1										1
CINO CINO	11	. Cholera												
	12	. Erysipelas.		2	1	15		8		15	2	4	3	39
AT-	11.	Smallpox												
TRK.	2.	Scarlatina	3	8	3	8	. 2	4	8	12	10	19	26	51
FOR LS.	3.	Diphtheria	3	7		4		3	1	3	4	7	8	24
ATTAN I	4.	Membranous Croup						**						
N H		/5. Typhus												• ••
HOMES IN THE SEVERAL LOCALITIES FOR TERAT- MOMES IN THE SEVERAL LOCALITIES FOR TERAT- MENT IN ISOLATION HOSPITALS.	RS.	6. Enteric or Typhoid		1		1		3				5	• ••	10
SEVE STRVE	FRVERS.	7. Continued												
HE S	H	8. Relapsing												
NIR T		9. Puerperal		1										1
a u u u	10	. Cholera												
HON	11.	Erysipelas		1		14		1		9		1		26

TABLE IV .- Giving the Causes of Deaths during March Quarter, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Queen Char- lotte's Hospital.	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove Rd.
Smallpox		-			1	
Influenza						
Scarlet Fever				••		••
Diphtheria						
Typhoid Fever						
Diarrhœa						
Erysipelas				3	2	
Pneumonia and Pleurisy	.5				5	1
Pyæmia	1000			3	о 1	:.
Syphilis					1	
Cancer	27		-		9	
Phthisis & Tuberculosis	12				31	2
Rheumatism						
Apoplexy						
Paralysis					6	
Bronchitis				·i	39	
Asthma			••	+		
Peritonitis			••	••		
Disease of Brain						
Lloout	4				in	
Tridmon				3	10	1
Linon				1		
Titowno				1		
,, Ovary Parturition						
Dishetor		1			••	
Diabetes Fractures and Injuries	•:	••			• •	
Old Ago	5				6	
Old Age					4	
Low Vitality, Infants Premature Birth				••		
Other causes	2	6				
Other causes	25	2	2	11	24	2
Total	*84	+9	**3	22	142	<u>‡6</u>

* Of the 84 deaths in the Middlesex Hospital, 63 were those of non-parishioners.
† Eight of the 9 deaths in Queen Charlotte's Hospital were those of infants, and nonparishioners.
f Four of the 6 deaths in St. John's Hospital were those of non-parishioners.
** Two of the 3 deaths in the Samaritan Hospital were those of non-parishioners.

	Population	Birt	ths.	Dea	ths.
	in 1891.	Males.	Fmls.	Males.	Fmls
All Souls Rectory St. Mary Christ Church St. John	35,391 19,849 18,099 39,536 20,426	$ \begin{array}{r} 19 \\ 7 \\ 18 \\ 42 \\ 16 \end{array} $	33 18 11 48 17	$23 \\ 10 \\ 9 \\ 39 \\ 10$	$22 \\ 15 \\ 12 \\ 42 \\ 23$
Total	133,301	102	127	91	114

TABLE V. — DISTRICT BIRTHS AND DEATHS FOR THE FOUR WEEKS ENDING MARCH 27TH, 1903.

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

TABLE VI.—DISTRICT BIRTHS AND DEATHS FOR THE THIRTEEN WEEKS ENDING MARCH 27TH, 1903.

the factor and the second s	Population	Births.		Deaths.	
	in 1901.	Males.	Fmls.	Males	Fmls.
All Souls	35,391	79	84	- 70	62
Rectory	19,849	44	53	38	48
St. Mary	18,099	60	35	33	43
Christ Church	39,536	170	142	108	127
St. John	20,426	60	48	40	70
Total	133,301	413	362	289	350

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated and extra-parochial deaths and others have been allotted to their proper sub-district.

TABLE IV		Deatl	ns in v subjo	whole ined		ict at		I		s in L all A	ocalit ges).	ies	iblic 18.
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Public Institutions,
Smallpox													
Measles	2	1	1					1			1		
Scarlet Fever	1		1								1		1
Whooping Cough	12	7	5					3			7	2	3
Diphtheria and Mem- branous Croup	1			1					1				
Croup	•••	••				• •						•••	
g (Typhus													
Enteric	••		••										
(Other continued .						••							
Epidemic Influenza	1			1					••			1	110
Cholera													
Plague	••												
Diarrhœa	6	4	1			1		3	1		1	1	5
Enteritis													
Puerperal Fever													
Erysipelas	3					2	1				1	2	3
Other Septic Diseases	6					6		4	1		1		7
Phthisis	18		1		1	15	1	6	2	2	6	2	10
Other Tubercular	7	1	2	1	1	2		1	1		4	1	14
Diseases Cancer, Malignant	14					9	5	5	2	2	3	2	2
Bronchitis	31	4	2			11	14	4	6	5	13	- 3	18
Pneumonia	14	3	2			6	3	2	1	2	8	1	5
Pleurisy	2					2		1			1		1
Other Diseases of	1						1				1		1
Respiratory Organs Alcoholism { Cirrhosis of Liver }	2					1	1	1				1	1
Venereal Diseases	1	1									1		1
Premature Birth	11	11						3	1	1	5	1	4
Diseases and Accidents													1
of Parturition Heart Diseases	17					9	8	6	3	1	6	1	6
Accidents	6	1	1		1	2	1	1	1		4		3
Suicides	3				1	2			1		2		2
All other causes	46	9	4		2	13	18	4	4	8	15	15	23
All causes	205	42	20	3	6	- 81	53	45	25	21	81	33	111*

TABLE VII.-Causes of, and Ages at, Death during the 4 weeks ending March 28th, 1903, in the Borough of St. Marylebone.

*22 of these were non-parishioners.

		Deaths in whole District at subjoined Ages.							eaths (at	in La all Ag	ocaliti ges.)	es	Public ions.
CAUSES OF DEATH.	All Ages.	Under 1.	1 and under 5.	. 5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	All Souls.	Rectory.	St. Mary.	Christ Church.	St. John.	Deaths in Publ Institutions.
Smallpox Measles	5	4	1					3		1	1		
Scarlet Fever	3		3								2	1	3
Whooping Cough	39	15	21	3				4	4	3	18	10	4
Diphtheria and Mem-	6	1	3	2				3	1		1	1	1
branous Croup Croup													
Typhus													
Fever Enteric	2					2		1			1		
Other continued													
Epidemic influenza	9	1		1		5	2	2		1	3	3	1
	15	10	2			3	1	5	2	1	5	2	10
	6					3	3			2	1	3	6
Erysipelas	9					9		6	2		1		12
Other Septic Diseases	61	2	2	2		44	4	14	4	10	23	10	35
Phthisis	20	4	7	4	1	4		3	2	1	8	6	22
Other Tubercular Diseases	42					27	15	12	4	11	9	6	32
Cancer, Malignant Disease	105	16				25	56	14	15	13	50	13	18
Bronchitis			10			21	7	8	10	5	21	6	21
Pneumonia	50	10	10	1	1			1			1	-000	1
Pleurisy	2					2					1		1
Other Diseases of Respiratory Organs	1			•••			1						
Alcoholism Cirrhosis of Liver }	7					3	4	1	2		3	1	2
Venereal Diseases	1	1	***								1		1
Premature Birth	18	18						7	2	2	5	2	10
Diseases and Accidents													2
of Parturition Heart Diseases	50	1			1	29	19	10	12	1	18	9	22
Accidents	21	4	3		3	6	5	6	3	2	10		12
Snicides	4				1	3			1		3		3
All other causes	163	34	8	2	3	67	49	32	22	23	49	37	91
All causes	639	121	68	15	17	252	166	132	86	76	235	110	340*

TABLE VIII.—Causes of, and Ages at, Death during the 13 weeks ending March 28th, 1903, in the Borough of St. Marylebone.

*85 of these were Non-Parishioners.

TABLE IX .- SALE OF FOOD AND DRUGS ACT.

SAMPLES ANALYSED DURING MARCH QUARTER, 1903.

DAIRY PRODUCTS 61 60 Butter <th></th> <th></th> <th></th> <th></th> <th>Genuine.</th> <th>Adulterated.</th> <th>Total.</th>					Genuine.	Adulterated.	Total.
Milk 61	DAIRY PRODUCTS-	-					
Margarine	Milk					-	
Margarine 9 9 ALCOHOLIC BEVERAGES- 9 9 Mikiky 2 2 Gin. 2 2 Rum 2 2 Rum 2 2 Coffee 1 1 1 1 NON-ALCOHOLIC BEVERAGES- 1 1 1 1 Coffee 1 1 1 1 NON-ALCOHOLIC BEVERAGES- 1 1 1 1 Coffee 1 1 1 1 Coffee 1 1 1 1 Cococoa <td< td=""><td>Butter</td><td></td><td></td><td></td><td>30</td><td>_</td><td>30</td></td<>	Butter				30	_	30
Lard 9 9 ALCOHOLIC BEVERAGES					4	_	4
ALCOHOLIC BEVERAGES—	Lond			1000	. 9	-	9
Whisky <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Brandy 2 1				-	10		10
Gin 2				•••			
Cherry Whisky 1 1 NON-ALCOHOLIC BEVERAGES- 8 8 Coffee and Chicory 1 1 1 Tea 2 - 2 Cocoa 1 - 1 Tea 2 - 2 Cocoa 1 - 1 Conditional Cocoa 2 - 2 Cocoa 1 - 1 Condensed Milk 2 - 2 Honey 1 - 1 TINNED GODS- 3 3 3 Salmon 1 1 1 Peas 1 1 1 Paraotis 1 1 1	Brandy		• •			_	2
Cherry Whisky 1 1 NON-ALCOHOLIC BEVERAGES- 8 8 Coffee and Chicory 1 1 1 Tea 2 - 2 Cocoa 1 - 1 Tea 2 - 2 Cocoa 1 - 1 Conditional Cocoa 2 - 2 Cocoa 1 - 1 Condensed Milk 2 - 2 Honey 1 - 1 TINNED GODS- 3 3 3 Salmon 1 1 1 Peas 1 1 1 Paraotis 1 1 1					2		2
Cherry Whisky 1 1 NON-ALCOHOLIC BEVERAGES- 8 8 Coffee and Chicory 1 1 1 Tea 2 - 2 Cocoa 1 - 1 Tea 2 - 2 Cocoa 1 - 1 Conditional construction 1 - 1 - 1 Condensed Milk 2 - 2 2 Honey 1 - 1 1 SACCHARINE SUBSTANCES Jam 2 - 2 Jam 1 - 1 1 TINNED GODDS 1 1 1 Condensed Milk 1 1 1 Peas 1 <td></td> <td></td> <td>••</td> <td>••</td> <td>-</td> <td>2</td> <td>2</td>			••	••	-	2	2
NON-ALCOHOLIC BEVERAGES— Coffee		••		••			2
Coffee and Chicory 1 1 1 7 1 7 1 <td< td=""><td>Cherry Whisky</td><td>••</td><td></td><td></td><td>1</td><td>_</td><td>1</td></td<>	Cherry Whisky	••			1	_	1
Coffee and Chicory 1 1 Tea 2 2 Cocoa 1 1 Pepper 2 2 Mustard 1 1 SACOHARINE SUBSTANCES Jam 2 2 Jam 1 1 SACOHARINE SUBSTANCES Jam 1 1 Jam 1 1 1 SACOHARINE SUBSTANCES Jam 1 1 1 Jam 1 1 1 1 SACOHARINE SUBSTANCES Jam 1 1 1 Stamon 1 1 1 Peas 1 </td <td></td> <td>EVERAGE</td> <td>s—</td> <td></td> <td></td> <td></td> <td></td>		EVERAGE	s—				
Coffee and Chicory 1 1 Tea 2 1 Cocoa 1 1 Cocoa 1 1 Cocoa 1 1 Cocoa 1 1 Pepper 1 1 SACCHARINE SUBSTANCES 1 1 1 Jam 1 1 1 1 SACCHARINE SUBSTANCES 1 1 1 1 Jam 1 1 1 1 1 Floney 1 1 1 1 Floney 1 1 1 1 </td <td></td> <td></td> <td></td> <td></td> <td>8</td> <td></td> <td>8</td>					8		8
Tea 1 1 Cocoa 1 1 Pepper 2 4 Mustard 1 1 1 SACCHARINE SUBSTANCES- 1 1 1 Jam 1 1 1 SACCHARINE SUBSTANCES- 1 1 1 Jam 1 1 1 SACCHARINE SUBSTANCES- 1 1 1 1 TINNED GOODS- 3 3 3 3 3 3 3 3 <	Coffee and Chie				1	-	1
CONDIMENTS— Pepper	Tea			12.	2		2
Pepper 2 2 2 2 2 2 2 2 2 2 2 2 1 1 <th1< th=""> <th1< th=""></th1<></th1<>					1	-	1
Pepper 2 2 2 2 2 2 2 2 2 2 2 2 1 1 <th1< th=""> <th1< th=""></th1<></th1<>	ONDIMENTS						
Muitard 2 2 2 2 2 1					4		1
Vinegar 1 1 SACCHARINE SUBSTANCES Jam 2 2 Honey 1 1 FINNED GOODS 1 1 Condensed Milk 2 2 Peas 3 3 Sardines 1 1 Pines 1 1 Baked Beans 1 1 Baked Beans 1 1 DRUGS 1 1 Bicarbonate of Soda 1 1 Glycerine 1 1 Sweet Spirit of Nitre 1 1 Olive Oil 1 1 I					7		*
SACCHARINE SUBSTANCES— Jam 2 - 2 Honey 1 - 1 TINNED GOODS— Condensed Milk 1 - 1 TINNED GOODS— Condensed Milk 2 - 2 Peas 3 - 3 Sardines 1 - 1 Pines 1 - 1 Pines 1 - 1 Pines 1 - 1 Tongue 1 - 1 DRUGS— 1 - 1 Bicarbonate of Soda 1 - 1 Glycerine 1 - 1 JSweet Spirit of Nitre 1 - 1 Ginger Wine. 1 - 1 Orange Wine		••		• •		_	
Jam 2 2 Honey 1 1 FINNED GOODS Condensed Milk 2 2 Peas 3 3 3 Sardines 1 1 1 Pines 1 1 1 1 Baked Beans 1 1 1 1 DRUGS 1 1 1 1 Bicarbonate of Soda 1 1 1 1 DRUGS 1 1 1 1 1 Bicarbonate of Soda 1 1 1 1 Glycerine 1 1 1 1 MISOELLANEOUS	vinegar			•••	1	1	1
Jam 2 2 Honey 1 1 FINNED GOODS Condensed Milk 2 2 Peas 3 3 3 Sardines 1 1 1 Pines 1 1 1 1 Baked Beans 1 1 1 1 DRUGS 1 1 1 1 Bicarbonate of Soda 1 1 1 1 DRUGS 1 1 1 1 1 Bicarbonate of Soda 1 1 1 1 Glycerine 1 1 1 1 MISOELLANEOUS	SACCHARINE SUBS	TANCES-					
Honey 1 1 1 PINNED GOODS Condensed Milk 2 2 Peas 3 3 3 Sardines 3 3 3 Sardines 1 1 1 Pines 1 1 1 Pines 1 1 1 1 Pines 1 1					2		2
FINNED GOODS - Condensed Milk 2 - 2 Peas 3 - 3 Sardines 3 - 1 Pines 1 - 1 Pines 2 - 2 Apricots 1 - 1 Baked Beans 1 - 1 Tongue 1 - 1 DRUGS 1 - 1 Bicarbonate of Soda 1 - 1 ORUGS 1 - 1 1 DRUGS 1 - 1 1 1 DRUGS 1 - 1 1 1 1 OR 1 - 1 1 1 1 MISCE						_	1
Condensed Milk 3 3 Sardines 3 3 Sardines 3 3 Salmon 1 1 1 Pines 1 1 1 Pines 1 1 1 Bicarbonate of Soda 1 1 1 Bicarbonate of Soda 1 1 1 1 Glycerine 1 1 1 1 1 Storet Spirit of Nitre 1 1 1 1 1 1 1 1 1 1 1 1							
Peas <td< td=""><td></td><td>And Sherry</td><td></td><td></td><td></td><td></td><td>0</td></td<>		And Sherry					0
Sardines 3 3 Salmon 1 1 1 Pines 2 2 Apricots 1 1 1 Baked Beans 1 1 1 Tongue 1 1 1 DRUGS- 1 1 1 DRUGS- 1 1 1 DRUGS- 1 1 1 DRUGS- 1 1 1 1 DRUGS- 1 1 1 1 Camphorated Oil 1 <t< td=""><td></td><td>£</td><td>•</td><td>1222</td><td>2</td><td>_</td><td>2</td></t<>		£	•	1222	2	_	2
Salmon 1 1 Pines 1 1 Baked Beans 1 1 Tongue 1 1 DRUGS 1 1 Bicarbonate of Soda 1 1 Glycerine 1 1 Tincture of Rhubarb 1 1 Sweet Spirit of Nitre 1 1 Camphorated Oil 1 1 MISCELLANEOUS 1 1 Olive Oil 2 2 Olive Oil 1 1 1 Ginger Wine. 1 1 1		••	••				
Pines 1 1 Baked Beans 1 1 1 Baked Beans 1 1 1 Tongue 1 1 1 DRUGS- 1 1 1 Bicarbonate of Soda 1 1 1 Glycerine 1 1 1 Tincture of Rhubarb 1 1 1 1 Sweet Spirit of Nitre 1 1 1 1 Camphorated Oil 1 1 1 Olive Oil 1 1 1 Ginger Wine 1 <td></td> <td></td> <td>••</td> <td>3++</td> <td></td> <td>-</td> <td></td>			••	3++		-	
Apricots 1 1 Baked Beans 1 1 Tongue 1 1 DRUGS- 1 1 Bicarbonate of Soda 1 1 Glycerine 1 1 Tincture of Rhubarb 1 1 Sweet Spirit of Nitre 1 1 Camphorated Oil 1 1 MISCELLANEOUS 1 1 Olive Oil 1 1 Ginger Wine 1 1 Ginger Wine 1 1 1 1 Flour 1 1 1 1 1 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td>						-	
Baked Beans 1 1 Tongue 1 1 DRUGS Bicarbonate of Soda 1 1 Bicarbonate of Soda 1 1 Glycerine 1 1 Tincture of Rhubarb 1 1 Sweet Spirit of Nitre 1 1 Camphorated Oil 1 1 MISCELLANEOUS 0live Oil 1 1 Olive Oil 1 1 Ginger Wine 1 1 Fluid Beef 1 1 Flour 1 1 Cod Liver Oil 1 1 Pickles 3 3 Image: Specin and and and and an			••		2	-	2
Tongue 1 1 DRUGS Bicarbonate of Soda 1 1 Bicarbonate of Soda 1 1 Glycerine 1 1 Tincture of Rhubarb 1 1 Sweet Spirit of Nitre. 1 1 Camphorated Oil 1 1 MISCELLANEOUS Olive Oil 2 2 Olive Oil 1 1 Ginger Wine. 1 1 Ginger Wine. 1 1 Fluid Beef 1 1 Gustard Powder 1 1 Cod Liver Oil 3 3 1725 <th2< th=""> 2</th2<>					1 .	-	1
DRUGS— 1 1 1 Bicarbonate of Soda 1 1 1 Glycerine 1 1 1 Tincture of Rhubarb 1 1 1 Sweet Spirit of Nitre. 1 1 1 Camphorated Oil 1 1 1 1 MISCELLANEOUS— 1 1 1 1 Olive Oil 1 1 1 1 Indiger Wine 1 1 1 1 Ginger Wine. 1 1 1 1 Ginger Wine 1 1 1 1 Fluid Beef 1 1 1 1 Flour 1 1 1 1 Oustard Powder 1 1 1 1 Od Liver Oil 1 1 1 1 Pickles 1 1 1 1 1					1	-	1
Bicarbonate of Soda 1 1 Glycerine 1 1 Tincture of Rhubarb 1 1 Sweet Spirit of Nitre 1 1 Camphorated Oil 1 1 MISCELLANEOUS 1 1 Olive Oil 1 1 MISCELLANEOUS 1 1 1 Olive Oil 1 1 Ginger Wine 1 1 1 Fluid Beef 1 1 1 1 Cod Liver Oil 1 1 1 Pickles 3 3 3	Tongue				1		1
Bicarbonate of Soda 1 1 Glycerine 1 1 Tincture of Rhubarb 1 1 Sweet Spirit of Nitre 1 1 Sweet Spirit of Nitre 1 1 Camphorated Oil 1 1 MISCELLANEOUS— 1 1 Olive Oil 1 1 MISCELLANEOUS— 1 1 1 Olive Oil 1 1 1 Ginger Wine 1 1 1 Flour 1 1 1 Costard Powder 3 <td< td=""><td>DRUGS-</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	DRUGS-						
Glycerine 1 1 Tincture of Rhubarb 1 1 Sweet Spirit of Nitre 1 1 Camphorated Oil 1 1 MISCELLANEOUS 1 1 Olive Oil 1 1 MISCELLANEOUS 1 1 Olive Oil 1 1 Idemon Squash 1 1 Ginger Wine 1 1 Fluid Beef 1 1 Flour 1 1 Costard Powder 3 3 Pickles		Soda			1		1
Tincture of Rhubarb 1 1 Sweet Spirit of Nitre 1 1 Camphorated Oil 1 1 MISCELLANEOUS Olive Oil 1 1 MISCELLANEOUS Olive Oil 1 1 Olive Oil 1 1 Ginger Wine 1 1 Ginger Wine 1 1 Fluid Beef 1 1 Flour 1 1 Ocastard Powder 1 1 Pickles 3 3					1	_	1
Sweet Spirit of Nitre 1 1 Camphorated Oil 1 1 MISCELLANEOUS Olive Oil 1 1 MISCELLANEOUS Olive Oil 1 1 Lemon Squash 1 1 Ginger Wine 1 1 Orange Wine 1 1 Fluid Beef 1 1 Flour 1 1 Costard Powder 1 1 Pickles 3 3	Tincture of Bhy	ubarb			1		ī
Camphorated Oil 1 1 MISCELLANEOUS Olive Oil 2 2 Lemon Squash 1 1 Ginger Wine 1 1 Ginger Wine 1 1 Orange Wine 1 1 Fluid Beef 1 1 Flour 1 1 Custard Powder 1 1 Pickles 3 3					1		1
MISCELLANEOUS 2 - 2 Olive Oil 1 - 1 Ginger Wine. 1 - 1 Ginger Wine. 1 - 1 Orange Wine 1 - 1 Fluid Beef 1 - 1 Flour 1 - 1 Custard Powder 1 - 1 Cod Liver Oil 3 - 3 Pickles 3 - 3	Camphorated O	il			1		î
Olive Oil 2 2 Lemon Squash 1 1 Ginger Wine. 2 2 Orange Wine 1 1 Fluid Beef 1 1 Flour 1 1 Custard Powder 1 1 Cod Liver Oil 3 3 Pickles 3 3	-						
Lemon Squash 1 1 Ginger Wine 2 2 Orange Wine 1 1 Fluid Beef 1 1 Flour 1 1 Custard Powder 1 1 Cod Liver Oil 1 1 Pickles 3 3		•					
Ginger Wine 2 2 Orange Wine 1 1 Fluid Beef 1 1 Flour 1 1 Flour 1 1 Custard Powder 1 1 Cod Liver Oil 3 3 Pickles 3 3					2	-	2
Orange Wine 1 1 Fluid Beef 1 1 Flour 1 1 Custard Powder 1 1 Cod Liver Oil 1 1 Pickles 3 3					1	-	1
Orange Wine 1 1 Fluid Beef 1 1 Flour 1 1 Custard Powder 1 1 Cod Liver Oil 1 1 Pickles 3 3	Ginger Wine				2	-	2
Fluid Beef 1 1 Flour 1 1 Custard Powder 1 1 Cod Liver Oil 1 1 Pickles 3 3	Orange Wine				1		1
Flour 1 1 Custard Powder 1 1 Cod Liver Oil 1 1 Pickles 3 3	Fluid Beef				1	-	1
Custard Powder11Cod Liver Oil11Pickles331752177				10.000	1		1
Cod Liver Oil 1 1 Pickles 3 3 175 2 177	Custard Powde			1000	1	-	1
Pickles				10.000	ī		1
175 2 177					3	1 C	3
175 2 177			-				
					175	2	177

REGISTER OF SANITARY WORK Month Ending March 31st, 1903.

PUBLIC HEALTH DEPARTMENT.

		I	Distric	t Insp	ectors	9.						
		Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No.3. District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.	E. Lumley, Dust Inspector.			Mr. R. Phillips, Special Duties,	Miss F. A. Baker.	Total.
Publ	ie Health (London) Act.											
	Dwelling Houses, &c	84	86	95	26	21						312
	Tenements	60		45	11	19						135
	Underground Dwellings	12	3	20	10	13						58
	Dairies, Milk Shops, Cow Houses	11	9		16	10						46
	Slaughter Houses	3	3			1						7
÷	Yards, Stables, and Mews	21	13	45	17	38						134
tion	Smoke Shafts									2		2
Inspections.	Offensive Trades and Effluvia Businesses									1		1
	Refuse Receptacles	6	6		3	4	40					59
	Enquiries re non-removal of refuse	4	2	5	4	3	100				2	• 120
	Removal of Bodies to Mortuary											
	Visits to Works in Progress	150	130	160	113	94					10	657
	Miscellaneous Inspections	164	185	150	196	136	150				82	1063
UNW	HOLESOME FOOD.				-		1-13	1.201	13.00			
1	Number of seizures made											
INFF	ECTIOUS DISEASE :											
(Dases Isolated	3		1		2						6
(Cases removed to Hospital	13	9	7	4	9						42
I	Rooms Disinfected	22	20	9	6	19						76
NEW	DRAINAGE :											
1	Number of Plans Passed	4	7	5	14	12				2	2	46
1	New Pipe Drains (feet)	864	896	250	390	1670				120	120	4310
ł	Houses where defects in existing Drainage have been detected and remedied	8	7	9		5					-	29

33

REGISTER OF SANITARY WORK Month ending March 31st, 1903.

PUBLIC HEALTH DEPARTMENT.

					. 6						
		Distric	1	pector	8.					i.	
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.	E. Lumlev, Dust Inspector.			Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
Factory and Workshop Act.								10:1	14	1011	alldus
Enquiries as to Occupation									30	8	38
Periodical Inspections :											
Factories								·	4		4
Workshops									49	68	115
Bakehouses									43		43
Restaurants, &c									50		50
Homeworkers' Premises									10	24	34
Domestic Workshops									5	2	7
Food and Drugs Act.										Ince	
ADULTERATION.											
Samples collected for Analysis	10	13	15	30	19				·	5	92
Correspondence, Legal Procedure, &c.											
Complaints received	8	13	15	16	16	16			6	5	95
Letters and Intimations relating to Abatement of Nuisances	22	18.	30	21	26	25			2	9	153
Statutory Notices Served	4	2	5	3	5				1	1	21
Proceedings taken before Magistrates											
(1) Under Public Health Act							· · · ·				
(2) " Factory & Workshop Act				••••						•••	1. 1999 20
(3) " Food & Drugs Act									217		
Reports made to Medical Officer of Health	33	30	31	54	67				28	10	253
					dza.				5.1 -	zsai	
	4	17		A.T.A.	boto		17 19 10 		1 0 2 1	anian Sonas	
	1-12		1				-		-		

SANITARY CHRONICLES

HE

OF THE

BOROUGH OF ST. MARYLEBONE

DURING APRIL, 1903,

BY ALEXANDER WYNTER BLYTH,

Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PRINTED BY ORDER OF THE COUNCIL.

VOL. XXIII. 3, UPPER GLOUCESTER PLACE, W., MAY STH, 1903. No. 4

The week ending April 4th was wet. Minimum temperature, 33.5° ; maximum, 55.0° ; mean, 47.7° . On seven consecutive days rain fell, giving a total of 0.84 inch. Winds, WSW. and W. Sunshine registered in Regent's Park equal to $16.9^{\circ}/_{\circ}$. Mean barometer, 29.7 inches.

The week ending April 11th was fine and dry. Minimum temperature, 35.5° ; maximum, 55.0° ; mean, 48.3° . On one day slight rain fell, 0.06 inch. Winds, WSW. and NE. Sunshine, $17.7^{\circ}/_{\odot}$. Mean barometer, 30.1 inches.

The week ending April 18th was also fairly dry and bright. Minimum temperature, $29\cdot0^{\circ}$; maximum, $50\cdot0^{\circ}$; mean, $42\cdot0^{\circ}$. On two days slight rain fell, 0.07 inch. Winds, NNW. Sunshine, $54\cdot7^{\circ}/_{\circ}$. Mean barometer, $30\cdot0$ inches.

The week ending April 25th was rainless. Minimum temperature, 30.0° ; maximum, 58.0° ; mean, 45.3° . Cool ENE winds prevailed. Sunshine, $25.5^{\circ}/_{\circ}$. Mean barometer, 29.6 inches.

The week ending May 2nd was unsettled and wet. Minimum temperature, 41.0° ; maximum, 60.9° : mean 50.6°. On six days rain fell, giving a total rainfall of 1.57 inches. Winds, SE. and SW. Sunshine, $24.3^{\circ}/_{\circ}$. Mean barometer, 29.3 inches.

Births and Deaths.

During the five weeks ending May 2nd there have been registered 269 births and 201 deaths. These births and deaths are divided among the five sub-districts as set forth in Table IV. 90 of the deaths were extraparochial, as follow :—

St. Marylebone Infirmary, Notting Hill		62
Western Fever Hospital		2
St. Mary's Hospital		4
Children's Hospital, Paddington		3
" " Great Ormond Street		1
Guy's Hospital		1
University Hospital		1
French Hospital		1
North-West London Hospital		1
National Hospital		1
Royal Chest Hospital		1
Claybury Asylum		1
Banstead Asylum		1
Hanwell Asylum		3
Leavesden Asylum		2
Chelsea Infirmary	'	2
Islington Workhouse		1
St. Peter's Home		1
In the Streets		1
	Total	90

The birth and death-rates, as deduced from the five weeks' statistics, are as follows :---

All Souls, birth-rate 16.2; death-rate 14.4. Rectory, birth-rate 15.2; death-rate 12.0. St. Mary, birth-rate 31.6; death-rate 13.8. Christ Church, birth-rate 26.6; death-rate 13.8. St. John, birth-rate 14.8; death-rate 17.3. The whole district, birth-rate 21.3; death-rate 15.7.

The average death-rates for five years (1898 to 1902) for the corresponding period were as follows :—All Souls, 14.3; Rectory, 21.9; St. Mary, 17.9; Christ Church, 18.9; St. John, 20.2; the whole district, 18.2.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes.

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE FIVE WEEKS ENDING MAY 2ND, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES:---

sheitoffal. fallt ges spervalant.	Total Deaths, 5 weeks ending May 2nd, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 5 weeks ending May 2, 1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1898-1902.
 Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular 	9	45 195 160	0.70 3.04 2.50	2·24 3·79 1·97

NOTES.

- 1. Includes Smailpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.
- 3. Includes Phthisis, Scrofula, Rickets, and Tabes.

Health of the District.

The general death rate for April has been much lower than usual. This is in the main owing to the very low mortality from scarlet fever and diphtheria with other zymotic diseases. The average mortality from infectious diseases for April is a little over 2 per 1,000 of population, this, during the past five weeks has fallen to '7 per 1,000.

The Shelter, Grove Road.

The Shelter has been re-papered, re-painted, the ceilings white-washed, and the interior generally decorated. A necessary work after the small pox epidemic, besides which the place for some years has had nothing done to it save the usual cleansing operations. Last year it was almost continuously occupied from January to the beginning of August, by families turned out of their rooms temporarily to enable the Officers to properly disinfect. Since August up to the present, it has been used very little. Infectious fevers generally having been but little prevalent.

The Baths, Grove Road.

The Cleansing Baths continue to be used and are doing good work. It is gratifying to observe that the number of females taking advantage of the cleansing facilities have much increased, the returns for the month being :-

Males	-	364
Females	-	31

Total 395

APRIL, 1903. CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER DURING 1903 OCTOBER. NOVEMBER. DECEMBER. SEPTEMBER. AUGUST. JUNE. JULY. MARCH. APRIL. MAY. JANUARY. FEBRUARY Month. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 29 40 41 42 43 44 45 46 47 48 49 50 51 52 Week. 40 35 30 25 20 15 10 *** X × × - * NOTES: Typhoid Fever -0-------0 -Diphtheria Scarlet Fever ., "Diphtheria " " " X-----X-----X-----X Typhoid Fever *·····×



TABLE II.—TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during April, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

			1							1				
		(a)	Arr Source		RECTORY		Sr. MARY		CHRIST CHURCH		Gen Torres		Totals	
	AT AL	(d) Census 1901 Registered Births	35,	391	19,	849	18,	099	39,	536	20,4	126 29	133,	301 269
	(6) 1	negistered bittine.												
	(d) 1	Aged under 5 or over 5.	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
		(1				1						
	ICAL	1. Smallpox												
	LOCALITY MEDICAL	2. Scarlatina .	3	6	3	7		2	1	4	4	7	11	26 14
	HE D	3. Diphtheria	••	4	1	2		1		4		3	1	1%
	EACH LOCALITY OF THE MEDICAL LTH.	4. Membranous Croup												
	S IN DGR HBA	/5. Typhus												
	NEW CASES OF SICKNESS IN EAC COMING TO THE ENOWLEDGE OF T OFFICER OF HEALTH.	6. Enteric or Typhoid		1		1				1		1	'	4
	NAC KNC	7. Continued												
	OFP OFP	8. Relapsing												
	TO	9. Puerperal												
1	ING O	10. Cholera												
	COM	11. Erysipelas		4		5		3				1		13
1		(
	-1-	(I. Smallpox												
	REA	2. Scarlatina	3	6	3	5		1	1	4	4	7	11	23
	ROM OR 7 LS.	3. Diphtheria		4	1	2				4		1	1	11
	NUMBER OF SUCH CASES REMOVED FROM THEIR HOMESIN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.	4 Jembranous Croup												
	ALIT HO	.5. Typhus								/				
	LOC LOC	Enteric or												
	CA SF ERAL	Typhoid		1		1				1				3
	SEV SEV	7. Continued												
	THE NT I	8. Relapsing												
	S IN ME	(9. Puerperal												
	MIR	10. Cholera .												
	H	(11. Erysipelas .				5	· ·	1		•				6
				-					-					

TABLE III .- Giving the Causes of Deaths during April, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Queen Char- lotte's Hospital.	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove Rd.
Smallpox						
Influenza						
Scarlet Fever						
Diphtheria						
Typhoid Fever					1	
Diarrhœa				1	1.	
Erysipelas						
Pneumonia and Pleurisy	1			1	1	
Pyæmia	1					
Syphilis					3	
Cancer	15		2		9	
Phthisis & Tuberculosis	1 -				18	1
Rheumatism						
Apoplexy		**				
Paralysis					1	
Bronchitis	••				17	
Asthma					•:	••
Peritonitis					1	
Disease of Brain	•••	••				
,, Heart	3			1	6	1
" Kidney	•:				1	
" Liver	1	••			1	1
" Uterus	••					
,, Ovary Parturition	••					
	••					
Diabetes Fractures and Injuries		:				
Old Age	. 1	••		· · · · ·		
Low Vitality, Infants		••				
Premature Birth		3				
Other causes	ii	2	·i	2		·
	11	-	-			
Total	*34	† 5	**3	5	62	‡4

* Of the 34 deaths in the Middlesex Hospital, 27 were those of non-parishioners.
† The deaths in Queen Charlotte's Hospital were non-parishioners.
‡ The deaths in St. John's Hospital were those of non-parishioners.
** The 3 deaths in the Samaritan Hospital were those of non-parishioners.

	Population	Births.		Deaths.	
	in 1891.	Males.	Fmls.	Males.	Fmls,
Souls	35,391	24	31	22	26
ory	19,849	19	10	14	9
[·····	18,099	26	29	15	9
Dhurch	39,536	50	51	42	30
hn	20,426	16	13	15	19
Total	133,301	135	134	108	93

TABLE IV. — DISTRICT BIRTHS AND DEATHS FOR THE FIVE WEEKS ENDING MAY 2ND, 1903.

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

		Death		vhole ined A		Deaths in Localities (at all Ages).							
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Public Institutions,
Smallpox													
Measles													
Scarlet Fever	1		1									1	1
Whooping Cough	5	2	2	1				1	1		2	1	1
Diphtheria and Mem- branous Croup											••		
Oroup			••										
Typhus		••	••.		••	**			**	••			
Enteric		••	•••			• •					••	••	
(Other continued		••	••				••						
Epidemic Influenza	1		••	••		1	••		••		1		
Cholera						••	••	••	••				
Plague								**		••			
Diarrhœa	2		••			1	1	1			••	1	1
Enteritis									••		••		
Puerperal Fever								**					
Erysipelas					.,								
Other Septic Diseases	2.			1		1			1			1	3
Phthisis	27	2	1	- 2	2	18	2	13		2	9	3	22
Other Tubercular	5	4		1				1		1	3		4
Diseases Cancer, Malignant	26					10	16	4	5	10	2	5	19
Bronchitis	26	8	2			4	12	7	5	3	10	1	11
Pneumonia	13	4	4		1	3	1	3			10		2
Pleurisy													
Other Diseases of Respiratory Organs													
Alcoholism Cirrhosis of Liver }	4					3	1	1				3	4
Venereal Diseases	2	2						1			1		1
Premature Birth	3	3				.:			1		1	1	4
Diseases and Accidents													8
of Parturition Heart Diseases	18					11	7	4	1	1	8	4	6
Accidents	7	1		1		3	2	2	1	1	2	1	3
Suicides													
All other causes	59	15	3		1	23	17	10	8	6	23	12	33
All causes	201	41	13	6	4	78	59	48	23	24	72	34	123°

TABLE V.-Causes of, and Ages at, Death during the 5 weeks ending May 2nd, 1903, in the Borough of St. Marylebone.

*37 of these were non-parishioners.

.

REGISTER OF SANITARY WORK Month Ending April 30th, 1903.

PUBLIC HEALTH DEPARTMENT.

		I	Distric	t Insp	pector	8.	1	1	1		
		Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J Andrews, No.3, District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.		E. Lumley, Dust Inspector.	Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total,
Publ	lic Health (London) Act.								-		in mark
	/Dwelling Houses, &c	48	86	45	39	31		 			249
	Tenements	34		35	43	30		 			142
	Underground Dwellings	12		30	9	17		 			68
	Dairies, Milk Shops, Cow Houses	10	3	6	4	12		 			35
	Slaughter Houses	2	2			1		 			5
ż	Yards, Stables, and Mews	12	9	50	40	67		 			178
tion	Smoke Shafts							 			
Inspections.	Offensive Trades and Effluvia Businesses		-						77.0	1000	
II	Pafusa Pasantaslas							 30			57
	Enquiries re non-removal of refuse				10	75		 200		2	217
	Removal of Bodies to Mortuary			2							211
1					280	207		 			1241
						168		 		0 44	959
UNW	HOLESOME FOOD :	100	102	120	240	105		 120		11	000
	Sumbor of soiguros made										
đ.	Number of seizures made							 			
INFE	CCTIOUS DISEASE :					a Desig					
C	Cases Isolated	1		2		1		 			4
C	Cases removed to Hospital	9	4	6	15	12		 			46
B	Rooms Disinfected	20	9	9	23	21		 			82
NEW	DRAINAGE :										
N	umber of Plans Passed	5	6	4	8	9		 			32
N	New Pipe Drains (feet)	560	786	450	1200	2118		 	10		5124
H	Iouses where defects in existing Drainage have been detected and remedied	8	7	5	9	13		 	1		43

REGISTER OF SANITARY WORK Month Ending April 30th, 1903.

PUBLIC HEALTH DEPARTMENT.

	District Inspectors.							1 1				
		Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, P. No. 3 District.	Mr. T. Gorniot, No. 4 District,	Mr. W. Yeo, No. 5 District.			E. Lumlev, Dust Inspector.	Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
Factory and Workshop Act							-	C.D.	-			Page 1
Enquiries as to Occupation .										18	15	33
Periodical Inspections :												
Factories										3		3
Workshops								•		33	95	128
Bakehouses										29	1	30
Restaurants, &c										48		48
Homeworkers' Premises .										18	46	64
Domestic Workshops ,										10	2	12
				5					1.10			
Food and Drugs Aet.							1					
ADULTERATION.							1					
Samples collected for Analy	sis	22	17	17		12			···			68
			2							in st		
Correspondence, Legal Proc &c.	edure,			-						04		
Complaints received		3	7	8	16	28			30	3	6	101
Letters and Intimations rela Abatement of Nuisances .	ting to 	12	12	14	34	26			25	6	3	132
Statutory Notices Served		4	4	1	11	12						32
Proceedings taken before Magist	rates		:									
(1) Under Public Health Act												
(2) "Factory & Worksh	hop Act											1
(3) " Food & Drugs Act							,				1.0	иХ
Reports made to Medical Officer o	f Health	38	32	30	63	74			35	28	16	316
						123		205	6	1	10.1	
	21 0	5	5	3		22	122		S]	13		
			32	-								



THE

SUNBER

OF THE

BOROUGH OF ST. MARYLEBONE

DURING MAY, 1903,

BY ALEXANDER WYNTER BLYTH,

Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PRINTED BY ORDER OF THE COUNCIL.

VOL. XXIII. 3, UPPER GLOUCESTER PLACE, W., JUNE 6TH, 1903. No. 5

The week ending May 9th was cool and wet. Minimum temperature, 40.0° ; maximum, 64.0° ; mean, 52.6° . On five days rain fell, giving the high rainfall of 2.13 inches. The winds were SW. and SSE. Sunshine was deficient, being just under $8^{\circ}/_{\circ}$ of the possible. Mean barometer 29.6 inches.

The week ending May 16th was finer than the preceding. Minimum temperature, 37.5° ; maximum, 61.5° ; mean, 51.6° . On three days rain fell, 0.33 inch. Sunshine, $20^{\circ}/_{\circ}$. Winds variable. Mean barometer 29.8 inches.

The week ending May 23rd was bright and fairly warm. Minimum temperature, 38.5° ; maximum, 78.2° ; mean, 58.1° . On three days thunder showers yielded 0.51 inch. of rain. Sunshine in Regent's Park was equal to $49.7^{\circ}/_{\odot}$. Winds, SSW. and NNW. Mean barometer 29.9 inches.

The week ending May 30th was warm and summerlike. Minimum temperature, 40.5° ; maximum, 78.0° ; mean, 62.9° . Winds NE. and SE. On two days thunder storms yielded 0.24 inch of rain. Sunshine in Regent's Park 64.8 hours equal to $57.7^{\circ}/_{\circ}$. Mean barometer 30.0 inches.

Births and Deaths.

During the four weeks ending May 30th there have been registered 234 births and 157 deaths. These births and deaths are divided among the five sub-districts as set forth in Table IV. 63 of the deaths were extraparochial, as follow :—

St. Marylebone Infirmary, Notting Hill .		35
North-Western Fever Hospital	 	6
St. Mary's Hospital		9
Children's Hospital, Paddington	 	2
St. Bartholomew's Hospital		1
Colney Hatch Asylum	 	4
Banstead Asylum	 	1
Hanwell Asylum	 	2
Middlesex Asylum	 	1
In the Streets	 	2
	Total	63
The birth and death-rates, as deduced from the five weeks' statistics, are as follows :--

All Souls, birth-rate 19.8; death-rate 13.6. Rectory, birth-rate 21.6; death-rate 11.8. St. Mary, birth-rate 28.7; death-rate 16.5. Christ Church, birth-rate 23.7; death-rate 17.4. St. John, birth-rate 22.2; death-rate 16.5. The whole district, birth-rate 22.9; death-rate 15.3.

The average death-rates for five years (1898 to 1902) for the corresponding period were as follows: —All Souls, 13.7; Rectory, 16.7; St. Mary, 19.0; Christ Church, 19.7; St. John, 21.3; the whole district, 17.9.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes.

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE FOUR WEEKS ENDING MAY 30TH, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES:-

		Total Deaths. 4 weeks ending May 30th, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 4 weeks ending May 30, 1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1898-1902.
1. 2. 3.	Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular	21	134 191 159	2·05 2·93 2·42	2·07 3·83 1·82

NOTES.

- 1. Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.
- 3. Includes Phthisis, Scrofula, Rickets, and Tabes.

Health of the District.

The weather of the four weeks has been favourable to human life. The rate of deaths from chest affections has been much below the average. Generally speaking, with the exception of a short burst of scarlet fever and diptheria during the second and third weeks, there has not been so healthy a May for several years.

Housing of the Working Classes Act, 1890.

No. 6, Gees Court having been allowed to fall into a deplorable state of dilapidation has been reported on under the above Act, and a closing order obtained.

The writer regrets that there does not appear any present likelihood of the whole Court being opened up as a street improvement. There can be little doubt that if the entrance at either end were widened, the Common Lodging Houses and tenement dwellings the Court contains would be replaced by first-class business premises of high rateable value, the increased assessment of which would go far to pay the cost of such improvement.

Appeal to the London County Council as to the interpretation of a Bye-law.

Under Section 39 (1) of the Public Health (London) Act, a bye-law of the London County Council enacts, *inter alia*, that "Every person who shall hereafter construct a watercloset in connection with a building shall construct such watercloset in such a position that, in the case of a watercloset, one of its sides at the least shall be an external wall, which external wall shall abut immediately upon the street or upon a yard or garden or open space of not less than one hundred square feet of superficial area measured horizontally at a point below the level of the floor of such closet."

Some new mansions in Glentworth Street have been built with closets having external walls, which external walls abut upon spaces of about 60 square feet, if the word "abut" is taken in its usual sense. The word is derived from the French *abouter*, the primitive meaning of which is "to join end to end," that is, strictly speaking, nothing can be said "to abut" unless it is at right angles, or directly opposite. The architect, however, contended that since the 60 square feet was continuous with a much larger open space than the 60 immediately opposite the external wall, the bye-law was complied with.

The Public Health Committee on viewing the premises did not consider this contention valid, and declined to pass the deposited plans.

An appeal was lodged with the County Council against this decision, and the matter was argued.

The Appeal Committee of the London County Council have decided that the appeal should be allowed; at the same time the Chairman intimated that it was necessary to alter the bye-law, and to prescribe a minimum width for the space in question. An application by the Appellants for costs was refused.

It is, therefore, quite obvious that since from this decision there is, under the statute, no appeal, the bye-law with regard to space, until a minimum width is prescribed, is absolutely in operative, for if in the construction of the word " abut" the Committee have adopted any principle at all, that principle must be that any space which is horizontally continuous "abuts;" in other words, with regard to an isolated house, the front space abuts on the sides and back, because the spaces are continuous – a manifest absurdity. It is probably unfair to seek for logical principles, with regard to the decision of a Court, of the constitution of the Appeal Committee of the London County Council; such a Court naturally enough looks at all the surrounding circumstances ; in this particular case, the buildings were up, and it would have been a greater punishment to the owner than the offence deserved to have to pull them down and rebuild. On the other hand, the Public Health Committee of this borough had absolutely no choice than to refuse to pass plans which they conscientiously believed did not comply with bye-laws in reference to new and important blocks of buildings, the more especially since it would have been easy to have planned the structure in such a way that no embarrassing questions could have arisen.

Bye-laws with regard to Basement Closets.

Under the same section of the Public Health (London) Act, ther is a bye-law prohibiting the construction of a watercloset below the surface of the ground unless it has an area or open space "measuring at least forty superficial feet in extent, and having a distance across of not less than five feet, and not covered in otherwise than by a grating or railing."

This bye-law may be unobjectionable as applied to new buildings, but it is unreasonable as applied to old and existing buildings.

If carried out with strictness it would absolutely prevent desirable improvements, such, for example, as the removal of a watercloset from the centre of a dwelling to an area, which, although not strictly complying with the bye-law, would afford a more suitable and sanitary position.

In a recent case the London County Council complained that a certain workshop had insufficient sanitary accommodation. The premises are so constructed that it is impossible to comply with the Statute and with the bye-law. The owner has given more accommodation ; accommodation in compliance with the Statute, not in compliance with the bye-law. The County Council now write complaining of the local authority permitting the erection of the convenience.

The proposed new lavatory accommodation at the Town Hall is absolutely in contravention of the bye-law in question. No improvement in that direction is possible if the bye-law is to be observed

The writer's consistent advice to the local authority has been that, in all such instances, the bye-law is mischievous and should be ignored, and that an excellent case can be made for defence on the ground of the bye-law being unreasonable.



CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER, DIPHTHERIA. AND TYPHOID FEVER DURING 1903 NOVEMBER. DECEMBER. OCTOBER. SEPTEMBER. JULY. AUGUST. MAY. JUNE. MARCH. APRIL. JANUARY. FEBRUARY Month. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 15 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 Week. 38 30 25 20 15 10 **** 75 F ... - AL NOTES: Typhoid Fever Diphtheria Scarlet Fever .. Typhoid Fever ×----×

MAY, 1903.



TABLE II.—TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during May, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	1909; classifi								1		1		
	a)	ALL SOULS		RECTORY		Sr. Mary		CHRIST CHURCH		Sr. John		Totals	
PUL AT ALL AGES.	(b) Census 1901 35,391		19,849		18,0	099	39,	536	20,4	26	133,5	101	
(c) I	c) Registered Births 54		54		33		40		72	:	35	3	234
(d) 1	(d) Aged under 5 or over 5. Dug ng		5 upwards	Under 5	5 upwards	Under 5	õ upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
NEW CASES OF SICKNESS IN EACH LOCALITY COMING TO THE NNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.	1. Smallpox 2. Scarlatina 3. Diphtheria 4. Membranous Croup 5. Typhus 6. Enteric or Typhoid 7. Continued 8. Relapsing 9. Puerperal 10. Cholera 11. Erysipelas	 	 1 1 1	· 2 3 ·· · · · · · · · · · · · · · · · · ·	 8 2 10	·· 1 1 ·· ·· ·· ·· 1	·· 8 1 ·· ·· ·· ·· ··	··· 9 	··· 10 2 ··· ·· ·· ·· 6	 3 3 1 	··· 7 5 ··· 1 ·· ·· ·· ·· ··	 17 8 1 8	 34 11 2 1 17
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.	 Smallpox Scarlatina Diphtheria Diphtheria Membranous Croup Membranous Croup Typhus Enteric or Typhoid Continued Relapsing Puerperal Cholera 	2 1 	··· 1 1 ··· ··· ·· ··	··· 2 3 ··· ·· ··	 8 2 	··· 1 1 ·· ·· ·· ··	6 1 	··· 8 ··· ·· ··	··· 7 2 ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	··· 2 2 ··· ··· ···	·· 4 1 ·· ·· ··	··· 15 7 	··· 26 6 ··· 1 ··· ···
NUM	10. Cholera			1	7				1			1	8

TABLE III .- Giving the Causes of Deaths during May, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Queen Char- lotte's Hospital.	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove Rd.
Smallpox		1				
Influenza						
Scarlet Fever						
Diphtheria	.;					
Typhoid Fever	1					
Diarrhœa	••	••				
Erysipelas		••			1	
Pneumonia and Pleurisy	.;	••			1	
Pyæmia	1	••				
Syphilis	••					
Cancer						
Phthisis & Tuberculosis	8	••	:		4	
Rheumatism	5				12	
Apoplexy	••	••				
Bronchitis	•:				1	
Asthma	5				9	
Peritonitis						
Disease of Brain	••					
II.cont	•••					
	2			1	3	
" Kidney						
" Liver	1					
" Uterus						
", Ovary						
Parturition						
Diabetes						
Fractures and Injuries.						
Old Age					2	
Low Vitality, Infants						
Premature Birth		2				
Other causes	12		3	4	2	
Total	*35	+2	**3	5	35	

* Of the 35 deaths in the Middlesex Hospital, 31 were those of non-parishioners.
† The 2 deaths in Queen Charlotte's Hospital were infants, non-parishioners.
** The 3 deaths in the Samaritan Hospital were those of non-parishioners.

TABLE IV. — DISTRICT BIRTHS AND DEATHS FOR THE FOUR WEEKS ENDING MAY 30TH, 1903.

	Population	Bir	ths.	Dea	ths.
	in 1891.	Males.	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Males.	Fmls.
ll Souls	35,391	34	20	19	18
ectory	19,849	16	17	10	8
t. Mary	18,099	19	21	10	13
hrist Church	39.536	32	40	27	26
t. John	20,426	17	. 18	12	14
Total	133,301	118	116	78	79

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

		Deatl		whole ined A		ict at		D		in Lo all A	ocaliti ges),	es	blic s.
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Public Institutions,
Smallpox													
Measles	2	2						2					
Scarlet Fever	3		3								3		3
Whooping Cough	3	3						1		1	1		1
Diphtheria and Mem- branous Croup Croup	5	••	3	2					1		2	2	3
(Typhus													
Enteric													
Other continued											1.1-		
Epidemic Influenza	1				1.00		1				1		
Cholera													
Diama													
Diamhas	 6	1				2	2				3	3	1
							1	1					1
Other Septic Diseases.													
				2			2	8		2	5	2	
Other Tubercular	6	1		1		1	1	1		1	4		3
Diseases	9		1			5	3	1		1	3	4	5
Cancer, Malignant Disease Bronchitis	24					9	13	5		5	9	1	15
n	6	1				2		1		2	2	1	1
Pneumonia			0										
Pleurisy Other Diseases of													
Respiratory Organs Alcoholism													
Venereal Diseases													
Premature Birth	1	1						1					2
Diseases and Accidents	1					1		1					
of Parturition Heart Diseases	13					8	5	4	2	4	2	1	
Accidents	6				2	4		1		1	2	2	2
Suicides	2					2		1				1	
All other causes	47	11	4		1	16	15	8.,	8	6	16	9	35
All causes	157	22	16	5	4	66	41	37	18	23	53	26	91*

TABLE V.-Causes of, and Ages at, Death during the 4 weeks ending May 30th, 1903, in the Borough of St. Marylebone.

*37 of these were non-parishioners.

REGISTER OF SANITARY WORK Month Ending May 31st, 1903.

PUBLIC HEALTH DEPARTMENT.

			I	istric	t Insp	ectors	. [
			Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District,	Mr. D. J. Andrews, No.3. District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.		E. Lumley, Dust Inspector.	Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total,
Publ	ic Health (London) Act.											
	(Dwelling Houses, &c		46	48	55	25	41		 			215
	Tenements		52	30	45	160	91		 			378
	Underground Dwellings		12		25	4	15		 			56
	Dairies, Milk Shops, Cow Ho	ouses	4	3	3	1	9	-	 			20
	Slaughter Houses		2	2			1		 			5
si.	Yards, Stables, and Mews		30	9	55	160	88		 			342
stion	Smoke Shafts								 	1		1
Inspections.	Offensive Trades and Eff Businesses	luvia							 	1		1
I	Refuse Receptacles		8	7	5	12	11		 		1	44
	Enquiries re non-removal of re		5	6	6	4	7		 		3	31
	Removal of Bodies to Mortua								 			
	Visits to Works in Progress		160	163	150	140	167		 		3	783
	Miscellaneous Inspections		180	190	130	220	189		 		75	984
UNW	HOLESOME FOOD :			-			-					
1	Number of seizures made								 			
	INTO DIGRACIA											
	ECTIOUS DISEASE :		-				in a start		1	1993.00	1.2	
	Dases Isolated			1	3	1			 			6
	Cases removed to Hospital Rooms Disinfected			8	19	22	6		 			67
	tooms Disinfected		22	20	24	35	14		 			115
NEW	DRAINAGE :							-		-		
1	Number of Plans Passed		8	9	7	15	7		 			46
1	New Pipe Drains (feet)	·	960	1320	280	1760	1220		 			5540
1	Houses where defects in ex Drainage have been detected remedied	isting d and 	1	12	9	5	15		 			51

REGISTER OF SANITARY WORK Month ending May 31st, 1903.

PUBLIC HEALTH DEPARTMENT.

	8	-			-					1	
		Distric	1	pector	8.					÷	
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.			E. Lumlev, Dust Inspector.	Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
Factory and Workshop Act.					30	1. (2)		2)	alsia	e II i	Public
Enquiries as to Occupation									10	20	30
Periodical Inspections :	24		23								
Factories									2		2
Workshops									53	144	197
Bakehouses						*			21	2	23
Restaurants, &c									56	2	58
Homeworkers' Premises									5	51	56
Domestic Workshops									10	4	. 14
											1
Food and Drugs Act.				1							
ADULTERATION.					1.						
Samples collected for Analysis			1	26	8						35
							244	13.00%	9	11211	
Correspondence, Legal Procedure &c.								12		101	112.5
Complaints received	14	15	7	15	24					4	79
Letters and Intimations relating to Abatement of Nuisances	01	20	22	30	37				2	5	140
Statutory Notices Served	4	3	4	9	11						31
Proceedings taken before Magistrates			1	1							2
(1) Under Public Health Act								1.1			
(2) " Factory & Workshop Ac	t										
(3) ,, Food & Drugs Act			1		1						2
Reports made to Medical Officer of Health	38	30	31	70	87	• •••				10	266
						-					

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THE

SANITARY CHRONICLES

BOROUGH OF ST. MARYLEBONE

OF THE

DURING JUNE, 1903,

Containing a Quarterly Summary of the Mortality Statistics for the Quarter ending June 27th, 1903, and the Quarterly Statement of Analytical Work done under the Sale of Food and Drugs Act, &c.

BY ALEXANDER WYNTER BLYTH,

Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PRINTED BY ORDER OF THE COUNCIL.

VOL. XXIII 3, UPPER GLOUCESTER PLACE, W., JULY 10TH, 1903. No. 6.

The week ending June 6th was a bright summer week. Minimum temperature, 44.0° ; maximum, 85.0° ; mean, 58.2° . On one day slight rain fell 0.05 inch. Winds easterly, Sunshine $58.6^{\circ}/_{0}$. Mean barometer 30 inches.

The week ending June 13th was wet and overcast. Minimum temperature, 40.0° ; maximum, 54.8° ; mean, 56.3° . On three days rain fell, 1.94 inch. Sunshine, $16^{\circ}/_{\circ}$. Winds ENE. Mean barometer 29.9 inches.

The week ending June 20th was one of quite exceptional heavy rain. The rain fell each day and almost continuously to the large amount of 4.24 inches. Winds SE. and NE. Sunshine $14.7^{\circ}/_{\odot}$. Mean barometer (low) 29.6 inches.

The week ending June 27th was bright, warm and rainless. Minimum temperature, 45.0° ; maximum, 85.0° ; mean, 63.9° . Winds SW. and SE. Sunshine, $45^{\circ}/_{\circ}$. Mean barometer 30.1 inches.

Births and Deaths.

During the four weeks ending June 27th there have been registered 241 births and 157 deaths. These births and deaths are divided among the five sub-districts as set forth in Table IV. The birth-rate for the month is therefore 23.5; the death-rate 15.3 per thousand.

Quarterly Summary.

During the quarter ending June 27th there have been registered 744 births and 515 deaths. These births and deaths are divided among the five sub-districts as set forth in Table V. 228 of the deaths were extra-parochial, as follow :--

St. Marylebone Infirmary, Notting	Hill		142
Western Fever Hospital	,		
North-Western Fever Hospital		•••	$\frac{3}{7}$
St. Mary's Hospital	••	••	
Children's Hospital, Paddington			17
,, Great Ormono	do Streat		7
Guy's Hospital	ie Street	••	$\frac{2}{1}$
St. Bartholomew's Hospital		• •	
University Hospital			$\frac{2}{1}$
St. George's Hospital		••	1
French Hospital			3
Italian Hospital	• •	• •	1
Italian Hospital	• •		1
West London Hospital	••		1
North-West London Hospital			1
National Hospital			1
Heart Hospital, Soho			1
Royal Chest Hospital			1
St. Francis Hospital for Infants			1
Colney Hatch Asylum			8
Claybury Asylum			1
Banstead Asylum			3
Darenth Asylum			2
Hanwell Asylum			$\begin{array}{c} 2\\ 7\\ 4\end{array}$
Leavesden Asylum			4
Middlesex Asylum			1
Chelsea Infirmary			2
Islington Workhouse			1
Paddington Infirmary			- 1
St. Peter's Home			1
In the Streets			4

Total 228

58

The birth and death-rates, as deduced from the thirteen weeks' statistics, are as follows :---

All Souls, birth-rate 18.8; death-rate 14.5. Rectory, birth-rate 19.1; death-rate 13.9. St. Mary, birth-rate 28.7; death-rate 15.0. Christ Church, birth-rate 25.4; death-rate 17.1. St. John, birth-rate 20.0; death-rate 15.9. The whole district, birth-rate 22.4; death-rate 15.8.

The average death-rates for five years (1898 to 1902) for the corresponding period were as follows:—All Souls, 13.0; Rectory, 19.9; St. Mary, 17.5; Christ Church, 19.0; St. John, 19.3; the whole district, 17.6.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes.

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE THIRTEEN WEEKS ENDING JUNE 27TH, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES:--

	•	Total Deaths. 	Proportion of the deaths to 1,000 deaths from all causes. 13 weeks ending June 27, 1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1898-1902
1. 2. 3.	Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular	41	80 179 161	1.23 2.63 2.50	$2.13 \\ 3.65 \\ 2.10$

NOTES.

- Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.
- 3. Includes Phthisis, Scrofula, Rickets, and Tabes.

Health of the District.

The health of the District continues to be excellent. Both infectious diseases and pulmonary maladies are lower than during any corresponding period during the past five years.

Interpretation of By-laws.

With regard to the writer's observations (Sanitary Chronicles for May, 1903) as to the impossibility of enforcing strictly certain by-laws of the London County Council in old buildings, the more particularly in the central parts of the Metropolis, the judgment of the Court of Appeal in Pomeroy and another v. Malvern Urban District Council (*Times* Law Report July 6th) deserve quotation. The appellants had been convicted at the instance of the Malvern Authority of a breach of a building by-law under circumstances in which it was unreasonable to enforce the by-law.

The Lord Chief Justice pointed out that it might in certain cases be very hard to apply a by-law such as the one in question in all its strictness.

Mr. Justice Channell, in concurring, said that by-laws ought not to be criticised too adversely, but ought to be left to persons to administer properly. It was impossible to make them to suit every case. That being so, one was accustomed to assume that if a case occurred where the by-law became wholly unreasonable, either the Local Authority would be reasonable in taking proceedings, or, if not, the magistrates would exercise the discretion, which was given them by the Summary Jurisdiction Act of 1879.

School Closure on Account of Measles.

The Annual Report of Dr. Kerr, the Medical Officer of the School Board for London, has just been issued, and contains, among other things, a valuable investigation as to Measles in reference to School closure, which will form a guide to the practical dealing with the question in this and other districts. Measles is a fatal disease of infant life, and a great proportion of children suffer during the early years of their lives from an attack of measles, which makes them immune from a second attack. An inquiry with regard to the Woolwich Schools show how large a proportion of infants attending school have thus been rendered immune. It, therefore, appears common sense that if measles breaks out in a school an inquiry should be made of the parents of the children, and from the information thus obtained the pupils be divided into two groups, the one of children which have had measles, and therefore if exposed to infection are not likely to suffer, the other group children who have not had measles, and therefore constitute the combustible material.

In the Infant School at Woolwich, which formed the subject of investigation, seven classes showed varying conditions of possible receptivity from 7 to 29 per cent. In the most favourable class, for instance, out of 58 pupils, 54 were protected, 4 were not protected; in the least favourable class 42 were protected, 17 were unprotected. Under such conditions it would seem wisest to simply prohibit the unprotected children from coming to the school; thus interfering but little with instruction and preventing the necessity of school closure. The closing of schools is now a more serious thing than formerly, since the Authorities have, in the writer's opinion, most unwisely abolished the grants paid under Article 101 to Schools closed by order of a Sanitary Authority.

The Laboratory-Sale of Food and Drugs Acts.

During the past three months there have been analysed, under the Sale of Food and Drugs Acts, 152 samples of food, drink, and drugs, a full list of which is printed on page 62 Table II.

Of the 152 samples, only two were found to be adulterated. The two samples in question were samples of milk :

Maria Horton, of 44, Richmond Street, was convicted of selling milk diluted with at least 10 per cent. of water. The defendant was fined 20s. with 12s. 6d. costs.

John Gowlett, of 113, Crawford Street, was fined £4 and 12s. 6d. costs for selling milk deficient to the extent of 16.7 per cent. of milk fat. The same vendor had been fined for butter adulteration in March, 1902. The small amount of adulteration in milk during the quarter is noteworthy, the more so since special efforts were made by the staff to ascertain the quality of the milk sold; each of the Inspectors, for example, took a number of samples on Sunday in the street under conditions which rendered the substitution of milk specially prepared for an inspector to that actually under sale impossible.

TABLE II .- SALE OF FOOD AND DRUGS ACT.

					Genuine.	Adulterated.	Total.
DAIRY PRODUC	TS-			-			
Milk					63	2	65
Butter					29		29
Margarine					14	-	14
Cheese					11	_	11
ALCOHOLIC BE	VERAC	JES-					
Whisky					6		6
Brandy					1	-	1
Gin					4 1	- 1	4
Rum					1	-	1
Beer					1		1
NON-ALCOHOLI	IC BEV	ERAGE	S—				
Coffee			••	••	6	-	6
CONDIMENTS-	in di						
Pepper					3 7	-	3
Ginger				•	7	-	7
SACCHARINE S	UBSTA	NCES-					
Sugar					2	-	2
TINNED GOODS	3—					ana at	
0.1	14:11-			-	1	Carl Market	1
Condensed				••	1	1	1
Lobster					-		
					150	2	152

SAMPLES ANALYSED DURING JUNE QUARTER, 1903.





CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER. DIPHTHERIA. AND TYPHOID FEVER DURING 1903

JUNE.



and the second		Deatl		whole		ict-at		1	Death (at	s in L all A		ies	in Public utions.
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Pub Institutions,
Smallpox													
Measles	2	1	1									2	
Scarlet Fever	1		1					1					
Whooping Cough	2		2							1		1	
Diphtheria and Mem- branous Croup	1		1				•					1	
Croup													
g (Typhus													
Enteric													
(Other continued													
Epidemic Influenza	2					1	1	1		1			
Cholera													
Plague													
Diarrhœa	2	2							2				
Enteritis													
Puerperal Fever													
Erysipelas	1		•				1	1					1
Other Septic Diseases						1		1					2
Phthisis	21		2	1	7	10	1	9	4	. 3	2	3	17
Other Tubercular Diseases	5		1	1	2	1		2	1	1		1	5
Cancer, Malignant Disease	17					12	5	8	3	1	1	4	21
Bronchitis	11	2				2	7	1	4	1	5		10
Pneumonia	12	1	5			4	2	4	3		5		2
Pleurisy													
Other Diseases of Respiratory Organs	••										• ••		
Alcoholism Cirrhosis of Liver 5	2					2		1		1			2
Venereal Diseases	1	1									1		1
Premature Birth	5	5						3	1			1	3
Diseases and Accidents of Parturition	1					1		1					1
Heart Diseases	10	1			2	4	3	1		5	3	1	6
Accidents	8	2		1		1	4	2	1	1	3	1	5
Suicides													
All other causes	52	9	3	1	1	24	14	7	9	6	24	6	39
All causes	157	24	16	4	12	63	38	43	28	21	44	21	*115

TABLE III.- Causes of, and Ages at, Death during the 4 weeks ending June 27th, 1903, in the Borough of St. Marylebone.

*37 of these were non-parishioners.

	Population	Birt	hs.	Dea	ths.
	1-1001	Males.	Fmls.	Males,	Fmls.
All Souls Rectory St. Mary Christ Church St. John	35,391 19,849 18,099 39,536 20,426	31 15 19 48 18	26 18 16 30 20	$26 \\ 18 \\ 10 \\ 23 \\ 11$	$17 \\ 10 \\ 11 \\ 21 \\ 10$
Total	133,301	131	110	88	69

TABLE IV. — DISTRICT BIRTHS AND DEATHS FOR THE FOUR WEEKS ENDING JUNE 27TH, 1903.

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

TABLE V.-DISTRICT BIRTHS AND DEATHS FOR THE THIRTEEN WEEKS ENDING JUNE 27TH, 1903.

	Population	Bir	ths.	Deaths.	
	in 1901.	Males.	Fmls.	Males.	Fmls.
All Souls	35,391	89	77	67	61
Rectory	$19,849 \\ 18,099$	50 64	$\frac{45}{66}$	42 35	27 33
St. Mary	39,536	130	121	92	77
St. John	20,426	51	51	38	43
		-			
Total	133,301	384	360	274	241

NOTE.—In the above the births and deaths have all been properly corrected, stranger have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district. TABLE VI.-TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during the June quarter, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	(a)		ALL Source		RECTORY		Sr. MARY		CHRIST CHINCH		Ser Toux		Totals	
AT A	(b) Census Registered		35,:	391 166	19,	849 95	18,	099	39,	536 251	20,	426 02	133,	301
(d) .	Aged und or over	er 5 5.	Under 5	5 upwards	Under 5	5 upwards	Under 5	õ upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
NEW CASES OF SICKNESS IN EACH LOCALITY COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.	1. Smallp 2. Scarlat 3. Diphth 4. Membra Crow 6. Ent 7. Con 8. Rela 9. Pue 10. Chole 11. Erysig	ina eria anous p hus eric or Typhoid tinued apsing rperal ra	· 13 3 	··· 13 7 ·· 2 ·· 1 ·· 10	• 8 4 3	 19 5 2 25	·· 3 1 ·· ·· ·· ·· ·· 1	·· 11 2 ·· 2 ·· ·· 5	··· 14 1 ··· ·· ·· ·· 1	 17 7 1 11	 10 5 1 	··· 19 9 ··· 2 ··· 2 ··· 2	··· 48 14 1 ··· ·· ·· 5	 79 30 9 1 53
NUMBER OF SUCH UASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TERAT- MENT IN ISOLATION HOSPITALS.	San 7. Con	ina eria p ohus eric or 'yphoid ttinued apsing erperal	 13 3 	· · · 12 7 1 	··· 8 5 ··· ·· ··	 17 - 5 	··· 3 1 ··· ·· ··	·· 8 ·· ·· 1 ·· ··	··· . 12 1 ··· . ··	··· 14 7 1 	··· 8 2 ··· ·· ··	··· 15 2 ··· ·· ··	, 44 12 	 66 21 3

TABLE VII.-Giving the Causes of Deaths during the June quarter, 1903, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Char-	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove Rd
Smallpox		1				
Influenza						
Scarlet Fever						
Diphtheria	i					
Typhoid Fever						
Diarrhœa				i	2	
Erysipelas					2	
Pneumonia and Pleurisy	4			1	ĩ	
Pyæmia	ĩ					
Syphilis					4	
Cancer	37				19	
Phthisis & Tuberculosis	10				- 42	1
Rheumatism						
Apoplexy				1	2	
Paralysis					3	
Bronchitis	6				- 32	
Asthma						
Peritonitis					1	
Disease of Brain					1	
"Heart	6			3	13	1
". Kidney					1	
" Liver	2				2	1
" Uterus						
Ovary						
Parturition						
Diabetes						
Fractures and Injuries.						
Old Age					6	
Low Vitality, Infants						
Premature Birth		8				
Other causes	35	3	6	6	11	1
Total	*102	+11	**6	12	142	***1

* Of the 102 deaths in the Middlesex Hospital, 85 were those of non-parishioners.
† The 11 deaths in Queen Charlotte's Hospital were those of non-parishioners.
** The 6 deaths in the Samaritan Hospital were those of non-parishioners.
*** The deaths in St. John's Hospital were those of non-parishioners.

	1	Death	s in w subjo	vhole ined		ct at		De		in Lo dl Ag	es.)	28	ublic)ns.
CAUSES OF DEATH.	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	All Souls.	Rectory.	St. Mary.	Christ Church.	St. John.	Deaths in Public Institutions.
Smallpox													
Measles	4	3	1					2				2	
Scarlet Fever	5		5					1			3	1	4
Whooping Cough	10	5	4	1				2	1	2	3	2	2
Diphtheria and Mem- branous Croup	6		4	2		•••			1		2	3	3
Croup													
Fever { Typhus Fever { Enteric													
Other continued													
Epidemic influenza	4					2	2			1	2		
Cholera													
Plague													
Diarrhœa	10	3	1			3	3	1	2		3	4	2
Enteritis													
Puerperal fever													
Erysipelas	2						2	2					2
Other Septic Diseases	3			1		2		1	1			1	5
Phthisis	67	2	3	5	9	43	5	30	6	7	16	8	51
Other Tubercular	16	5	2	3	3	2	1	4	1	3	7	1	12
Diseases Cancer, Malignant	52		1			27	24	13	8	12	6	13	45
Bronchitis	61	12	2			15	32	13	13	9	24	2	36
Pneumonia	31	6	12		1	9	3	8	3	2	17	1	5
Pleurisy													
Other Diseases of													
Respiratory Organs Alcoholism Cirrhosis of Liver }	8					6	2	3	1	1		3	6
Venereal Diseases	3	3						1			2		2
Premature Birth	9	. 9						4	2		1	2	9
Diseases and Accidents of Parturition	2					2		2					9
Heart Diseases	41	1			2	23	15	9	3	10	13	6	19
Accidents	21	3		2	2	8	6	5	2	3	7	4	10
Suicides	2					2		1				1	
All other causes	158	35	10	1	3	63	46	25	25	18	63	27	110
All causes	515	87	45	15	20	27	141	128	69	68	169	81	332*

TABLE VIII.—Causes of, and Ages at, Death during the 13 weeks ending June 27th, 1903, in the Borough of St. Marylebone.

*180 of these were Non-Parishioners.

REGISTER OF SANITARY WORK Month ending June 30th, 1903.

PUBLIC HEALTH DEPARTMENT.

			1	Distric	t Insp	ectors	5.				
			Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No.3, District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.		Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
Publ	ic Health (London) Act.		•								
	/Dwelling Houses, &c		38	46	35	20	41	 	 		180
	Tenements		48	9	50	60	37	 	 		204
	Underground Dwellings		12	3	20	12	21	 	 		68
	Dairies, Milk Shops, Cow Hou	ses	4	2	1	2	-9	 	 		18
	Slaughter Houses		2	3			2	 	 		7
	Yards, Stables, and Mews		24	12	26	40	57	 	 		159
ions	Smoke Shafts							 	 2		2
Inspections.	Offensive Trades and Efflu- Businesses	via							 1		1
In						23	16	 	 	2	75
	Refuse Receptacles Enquiries re non-removal of refu		10	9	6	12	21	 	 	1	59
	Removal of Bodies to Mortuary							 	 		
	Visits to Works in Progress		180			186		 	 	4	844
						220	140	 		61	903
	(Miscellaneous Inspections HOLESOME FOOD :		102	110	150		110	 	 		
						-					
r	Number of seizures made							 	 		
INFE	ECTIOUS DISEASE :										
(Cases Isolated				1	2		 	 		3
(Cases removed to Hospital		6	7	8	11	18	 	 		50
1	Rooms Disinfected		11	14	11	19	27	 	 		82
NEW	DRAINAGE :										
	Number of Plans Passed		6	6	5	9	7	 	 2		35
1	New Pipe Drains (feet)		1120	1350	225	1200	1624	 	 86		5605
	Iouses where defects in exist Drainage have been detected a	ing									
	remedied		8	10	7	8	. 9	 	 		42

REGISTER OF SANITARY WORK Month Ending June 30th, 1903.

PUBLIC HEALTH DEPARTMENT.

	1	listric	t Ins	pector	·s				
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.		Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Tota
Factory and Workshop Act.									
Enquiries as to Occupation						 	 10	12	2:
Periodical Inspections :									
Factories						 	 3		1
Workshops						 	 76	180	25
Bakehouses						 	 42	2	4
Restaurants, &c						 	 53		51
Homeworkers' Premises						 	 12	44	50
Domestic Workshops						 	 15	4	19
Food and Drugs Act. ADULTERATION. Samples collected for Analysis		13	12	4	12	 	 		4
Correspondence, Legal Procedure &c.	,								
Complaints received	. 6	7	8	17	11	 	 4	13	60
Letters and Intimations relating to Abatement of Nuisances	0.0	19	32	28	19	 	 3	14	13
Statutory Notices Served	. 6	7	1	4	9	 	 		2
Proceedings taken before Magistrates			4	5		 	 		1
(1) Under Public Health Act			3	2		 	 		
(2) " Factory & Workshop Ac	t					 	 		
(3) " Food & Drugs Act						 	 		
	36	30	23	50	41	 	 42	10	23



SANITARY CHRONICLES

SURGEON

OF THE

BOROUGH OF ST. MARYLEBONE

DURING JULY, 1903,

BY ALEXANDER WYNTER BLYTH,

Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PRINTED BY ORDER OF THE COUNCIL.

VOL. XXIII. 3, UPPER GLOUCESTER PLACE, W., AUG. 7TH, 1903. No. 7.

The week ending July 4th was rainless. Minimum temperature, 54.0° ; maximum, 85.0° ; mean, 69.2° . The winds were variable. The sunshine registered in Regent's Park amounted to 84.9 hours out of a possible 115.5. Mean barometer 30.0 inches.

The week ending July 11th was also rainless and fairly bright; minimum temperature, 45.0°; maximum, 86.0°; mean, 68.7°. The winds were NW. and SW. Sunshine in Regent's Park, 60.8 hours. Mean barometer 30.0 inches.

The week ending July 18th was unsettled. Minimum temperature, 47.5° ; maximum, 75.5° ; mean, 63.4° . On two days there were heavy thunder showers and rainfall amounting to 2.12 inches. The winds were variable. Sunshine, 29.5 hours. Mean barometer (low) 29.8 inches.

The week ending July 25th was also unsettled. Minimum temperature, 48.0° ; maximum, 72.0° ; mean, 62.9° . On three days rain fell, the total fall being 1.21 inch. Winds, NW. and SW. Sunshine, 27.9 hours. Mean barometer 29.9 inches.

The week ending August 1st was wet. Minimum temperature, 52.0°; maximum, 68.0°; mean, 59.2°. Rain fell during 6 days, giving a total fall of 2.07 inches. Winds, NW. and SW. Sunshine, 28.9 hours. Mean barometer, 29.7 inches.

Births and Deaths.

During the five weeks ending August 1st there have been registered 245 births and 136 deaths. These births and deaths are divided among the five sub-districts as set forth in Table IV. Forty-seven of the deaths were extra-parochial, as follow :—

St. Marylebone Infirmary,	Notting	Hill		25
North-Western Fever Hos	pital			2
Western Fever Hospital				1
St. Mary's Hospital				2
St. George's Hospital				1
St. Thomas' Hospital				1
Children's Hospital, Paddi	ngton		'	2
" Great	Ormond	le Street		1
French Hospital				1
Banstead Asylum				1
Hanwell Asylum				2
Colney Hatch Asylum				3
Darenth Asvlum				1
Paddington Workhouse				1
St. Pancras Infirmary				1
River Thames				1
In the Streets				1
				-
			Total	47

The birth and death-rates, as deduced from the five weeks' statistics, are as follows :---

All Souls, birth-rate 13.2; death-rate 9.7. Rectory, birth-rate 17.3; death-rate 12.6. St. Mary, birth-rate 21.8; death-rate 12.6. Christ Church, birth-rate 23.4; death-rate 8.9. St. John, birth-rate 20.4; death-rate 11.7. The whole district, birth-rate 19.0; death-rate 10.6. The average death-rates for five years (1898 to 1902) for the corresponding period were as follows:—All Souls, 12.2; Rectory, 14.9; St. Mary, 16.4; Christ Church, 17.0; St. John, 17.8; the whole district, 15.5.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes.

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE FIVE WEEKS ENDING AUG. 1st, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES :--

		Total Deaths. 5 weeks ending Aug. 1st, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 5 weeks ending Aug. 1, 1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1898-1902.
1. 2. 3.	Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular	17	123 - 169 117	$1.26 \\ 1.74 \\ 1.21$	2 93 2:48 1:82

NOTES.

- 1. Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.
- 3. Includes Phthisis, Scrofula, Rickets, and Tabes.

Health of the District.

Once more the death-rate is so low as to be phenomenal. The average death-rate for the month of July is usually low, something about 15 per thousand, but the past July death-rate does not attain 11 per thousand. This is mainly to be attributed to the favourable temperatures, to the absence of diarrhœa and to the general decline of infectious maladies.

Prosecution under the Housing of the Working Classes Act.

Proceedings before the Magistrate have been commenced for the purpose of closing No. 11, Gees Court as unfit for habitation. The owner, having undertaken to clear the premises of the tenants and to execute as soon as practicable the necessary works, the hearing of the summons has been adjourned six weeks.

Housing of the Working Classes.

The fine series of Artisans' Buildings, erected by Lord Portman in Queen Street, is a most important advance in the solution of the difficult problem of housing at reasonable rates the classes which earn by their labour a moderate weekly wage.

The buildings consist of four blocks, and contain 176 tenements, as follows :---

One-roomed tenements	 	 74
Two-roomed tenements	 	 78
Three-roomed tenements	 	 23

There is one four-roomed tenement, the fourth room being used as an office.

The maximum and minimum rents of the different tenements, including rates and taxes, are as follows :---

	**	cer	1y	remus.	
One-roomed tenements	 2s.	9d.	to	4s.	
Two-roomed tenements	 õs.	5d.	,,	7s. 4d.	
Three-roomed tenements	 8s.	0d.	,,	9s. 7d.	

]

Wookly ronts

The average size of the one-roomed tenements is 165 square feet of floor space and a cube of 1402. This would permit of occupation by three adults, or, say, man, wife and two young children.

In one respect the buildings differ from most modern dwellings of the same class in having no dust shoot. The tenants will have to carry down their household refuse to receptacles fixed in the yards. Dust shoots are a fertile source of nuisance, and it will be interesting to see how far this new system will be successful.

Another advantage of the new buildings is that the gates will be shut early, and although the *bona fide* tenants can of course gain admission at all hours, yet the occupation of the stairs by tramps and other persons at night will be effectually prevented.

TABLE II .- Giving the Causes of Deaths during July, 1903, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

inter and Total	Middle- sex Hospital	Queen Char- lotte's Hospital.	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove Rd
Smallpox						
Influenza						
Scarlet Fever						
Diphtheria						
Typhoid Fever						
Diarrhœa						
Erysipelas	5				1	
Pneumonia and Pleurisy	2				1	
Pyæmia			1			
Syphilis	1					
Cancer	13				3	
Phthisis & Tuberculosis					6	2
Rheumatism						
Apoplexy						
Paralysis						
Bronchitis	1				6	
Asthma						
Peritonitis					0.000	
Disease of Brain						
,, Heart	5				1	
" Kidney						
" Liver				1		
" Uterus						
, Ovary						
Parturition						
Diabetes						
Fractures and Injuries.	2		••		1	
Old Age			••		î	
Low Vitality, Infants						
Premature Birth		3		1		
Other causes	11	1	2	ī	5	
		-	~			
Total	*40	+4	**3	3	25	***3

* Of the 40 deaths in the Middlesex Hospital, 36 were those of non-parishioners.
† Three of the 4 deaths in Queen Charlotte's Hospital were those of non-parishioners.
** The 3 deaths in the Samaritan Hospital were those of non-parishioners.
*** Two of the 3 deaths in St. John's Hospital were those of non-parishioners.




CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER DURING 1903

JULY.



TABLE III.— TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, auring July, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

		1				-		-	1				
	(a)	ALL Souts		RECTORY		Sr. MARY		Сникт Сникон		Sr Ioux		Totals	
AT ALI	(b) Census 1901	35,3		19,	849	18,	099	39,	536	20,:	426	133,	301 245
(c) I	Registered Births		45		00		00						
(d) A	Aged under 5 or over 5.	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
-	/		1		[
TY	1 Smallpox												
CALI	2. Scarlatina .	5	8 .		2		4	7	6	1	1	13	21
I.o.	3. Diphtheria	3					1	2	2	2	3	7	6
RACH OF TH LTH.	4. Membranous Croup												
IN GK HRA	/5. Typhus												
NEW CASES OF SICKNESS IN FACH LOCALITY COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.	6. Enteric or Typhoid	l	2							1	4	2	6
SIC KN	Typhoid												
THE OF	8. Relapsing												
TO	9. Puerperal												
N C	10. Cholera												
NEW	11. Erysipelas		4		4				3		2		13
AT-	1. Smallpox												
TRE TRE	2. Scarlatina	5	7		2		5	6	5	1	1	12	20
FRO FOR ALS,	3. Diphtheria .	2					1	2	2	2	3	6	6
OVED ITTES IOSPIT	4. Membranous Croup										•		
REN CAL	(5. Typhus .	**											
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TERAT- MENT IN ISOLATION HOSPITALS.	6. Enteric or Typhoid	1	1							1	2	2	3
SVEL SVEL	Typhoid 7. Continued												
SUC TRSU	8. Relapsing												
N TH WEN	9. Puerperal												
BEE	10. Cholera												
NUM	11. Erysipelas				4				2		1		7
					1	1	1						

TABLE IV. — DISTRICT BIRTHS AND DEATHS FOR THE FIVE WEEKS ENDING AUGUST 1ST, 1903.

	Population	Birt	ths.	, Dea	ths.
	in 1891.	Males.	Fmls.	Males.	Fmls
All Souls	35,391 19,849	20 14	$\frac{25}{19}$	21 11	12 13
Rectory St. Mary Christ Church	19,849 18,099 39,536	14 18 48	20 41	11 11 21	11 13
St. John	20,426	20	20	11	12
Total	133,301	120	125	.75	61

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

TABLE V.—Causes of, and Ages at, Death during the 5 weeks ending August 1st, 1903, in the Borough of St. Marylebone.

10]	Death		hole ned A		ct at		D		in Lo all Ag	ocalitio ges).	es	Public ions.
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Publ Institutions.
Smallpox												'	
Measles													
Scarlet Fever	2			1	1				1			1	2
Whooping Cough	4	4						2			1	1	1
Diphtheria and Mem- branous Croup	1		1									1	1
Oroup		••											
H (Typhus													
Enteric	1		•••			1		1					1
(Other continued			••										
Epidemic Influenza	2					1	1				1		••
Cholera		•••											
Plague													
Diarrhœa	5	3	2					1	••	1	3		1
Enteritis		••	••						••				
Puerperal Fever					.:			••					
Erysipelas	2					1	1	1				1	6
Other Septic Diseases	4			1		3		1	1	1	1		1
Phthisis	14			1	2	9	[2	4	2	1	5	2	9
Other Tubercular Diseases	2	1	1							••		2	
Cancer, Malignant Disease	10					8	2	3	3	2	1	1	17
Bronchitis	0.		1			1	7	1	2	2	2	2	8
Pneumonia	13	2	3			8		5	2	2	3	1	6
Pleurisy													
Other Diseases of Respiratory Organs	1						1	1					
Alcoholism { Cirrhosis of Liver }	4					4		1	1	1		1	1
Venereal Diseases	1					1		1					1
Premature Birth .	. 10	10						3	2	1	3	1	4
Diseases and Accidents	1					1		1					
of Parturition Heart Diseases	11					8	3	1	3	3		4	9
Accidents	. 5	1				3	1	1		2	2		3
Suicides	. 1					1					1		1
All other causes	33	9	2		1	11	10	5	7	5	11	5	27
All causes	136	30	10	3	4	61	28	33	24	22	34	23	*99

*54 of these were non-parishioners.

REGISTER OF SANITARY WORK Month Ending July 31st, 1903.

			D	istric	t Insp	ectors	5.			.	1.4 JUL
			M r. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr, D, J. Andrews, No.3, District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.	E. Lumley, Dust Inspector.	Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
Publ	ie Health (London) Act.										
	/Dwelling Houses, &c		38	36	30	40	32	 	 		176
	Tenements		40		20	58	19	 	 		137
	Underground Dwellings		8	2	10	4	21	 	 		45
	Dairies, Milk Shops, Cow Hor	ises	6	3		2	3	 	 		14
	Slaughter Houses		2	2			1	 	 		5
	Yards, Stables, and Mews		18	15	12	23	79	 	 		147
tions	Smoke Shafts							 	 5		õ
Inspections.	Offensive Trades and Efflu Businesses	ivia									
Ir				12	2	20	32	 60	 		138
	Enquiries re non-removal of ref		4	6		20	67	 180	 	2	261
	Removal of Bodies to Mortuar		1		1				 -		2
	Visits to Works in Progress		120		25	245	47	 	 	10	643
	Miscellaneous Inspections		175	186		180	94	 	 	72	767
UNN.	VHOLESOME FOOD :		110	100	20	100	01	 00	 		
				1							1
	Number of seizures made							 		-	1
INFI	ECTIOUS DISEASE :										
(Cases Isolated					1		 	 		1
(Cases removed to Hospital		11	10	6	8	17	 	 		52
]	Rooms Disinfected		18	19	8	14	29	 	 		88
NEW	V DRAINAGE :										
1	Number of Plans Passed	••••	8	9	4	16	11	 	 		48
1	New Pipe Drains (feet)		976	856	250	780	1670	 	 		4532
1	Houses where defects in exis Drainage have been detected remedied			10	7	5	11	 	 		41

REGISTER OF SANITARY WORK Month Ending July 31st, 1903.

	1	Distric	t Inst	ector	8.					
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.	E. Lumley, Dust Inspector.		Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total,
actory and Workshop Act.										
Enquiries as to Occupation						 		7	12	19
Periodical Inspections :										
Factories						 		2		5
Workshops						 		43	72	110
Bakehouses						 		21		21
Restaurants, &c						 		39		3
Homeworkers' Premises						 		26	135	16
Domestic Workshops						 		2	5	
Food and Drugs Act. ADULTERATION. Samples collected for Analysis			4	13	12	 				2
Correspondence, Legal Procedure &c.										
Complaints received	11	13	16	12	23	 		2	6	8
Letters and Intimations relating to Abatement of Nuisances	25	19	22	30	9	 28			18	15
Statutory Notices Served	4	5	1	4	16	 				3
Proceedings taken before Magistrates			• 1	2		 				
(1) Under Public Health Act			1	1		 				
,, Housing Working Classes			••••	1		 				-
(2) " Factory & Workshop Act						 				
(3) " Food & Drugs Act						 				
Reports made to Medical Officer of Health	25	28	13	60	71	 40		29	12	27



SANITARY CHRONICLES

THE

OF SURBED

OF THE

BOROUGH OF ST. MARYLEBONE

DURING AUGUST AND SEPTEMBER, 1903, Containing a Quarterly Summary of the Mortality Statistics for the Quarter ending September 26th, 1903, and the Quarterly Statement of Analytical Work done under the Sale of Food and Drugs Act, &c.

VOL. XXNVIII.3, UPPER GLOUCESTER PLACE, OCTOBER, 14TH, 1903. No. 8.

The week ending August 8th was fairly dry and fine. Minimum temperature, 47.0° ; maximum, 77.0° ; mean, 64.6° . Winds, S.W. On one day only rain fell (0.31 inch). Sunshine in Regent's Park equal to 55.5 per cent. of the possible. Mean barometer 29.9 inches.

The week ending August 15th was unsettled and wet. Minimum temperature, 47.0° ; maximum, 72.2° ; mean, 60.9° . Winds, S.W. and S.E. On three days rain fell to the amount of 1.3 inch. The sunshine was about 38 per cent. Mean barometer (low) 29.6 inches.

The week ending August 22nd was also wet. Minimum temperature, 49.2°; maximum, 69.2°; mean, 61.1°. Winds, S.W. and N.E. On four days rain fell (0.39 inch). The sunshine was equal to 46 per cent. Mean barometer 29.7 inches.

The week ending August 29th was unsettled, rainy and with much electrical disturbance. Minimum temperature, 46.2°; maximum, 69.0°; mean, 59.4°. Winds, S.W. and W.N.W. On three days rain fell (1.43 inch). Mean barometer 29.9 inches.

The week ending September 5th was similar in weather to the preceding week, that is, unsettled, thundery and wet. Minimum temperature, $51\cdot5^{\circ}$; maximum, $81\cdot0^{\circ}$; mean, $66\cdot0^{\circ}$. Winds, S.W. and W.N.W. On three days rain fell (2.37 inches). Sunshine, $44\cdot6$ per cent. Mean barometer, 29.9 inches.

The week ending September 12th was still unsettled. Minimum temperature, 40.0° ; maximum, 67.0; mean, 55.3. Winds, N.NW. On three days rain fell (0.71 inches). Mean barometer, 29.8 inches.

The week ending September 19th was rainless. Minimum temperature, 40.0° ; maximum, 64.5° ; mean, 55.0° . Winds, N.N.E. and S.S.E. Sunshine, 44 per cent. Mean barometer, 30.0 inches.

The week ending September 26th was also fine. Minimum temperature, 52.0° ; maximum, 67.5° ; mean, 60.7° . Sunshine, 23 per cent. Mean barometer, 30.0 inches.

During the eight weeks under consideration the temperature was unusually low, rain frequent, only three weeks really fine, the other five more or less unsettled.

Quarterly Summary.

During the thirteen weeks ending September 26th there have been registered 653 births and 449 deaths These births and deaths are divided among the five sub-districts as set forth in Tables V and XI. One hundred and eighty-five of the deaths were extra-parochial, as follow :—

St. Marylebone Infirmary, N	otting	Hill	 114
North-Western Hospital			 3
Western Hospital			 7
Children's Hospital, Padding	ton		 4
Great Ö	rmond	Street	 1
St. Mary's Hospital			 7
St. Thomas' Hospital			 2
University Hospital			 $\frac{2}{3}$
St. George's Hospital			 4
Brompton Hospital			 $2 \\ 2 \\ 1$
French Hospital			 2
Italian Hospital.			 1
Cancer Hospital.			1
Hanwell Asylum			 7
Colney Hatch Asylum			 3
C.C. Asylum, Darenth			 3
" Dartford		·	 1
,, Ilford			 1
Banstead Asylum			 1
Claybury Asylum			 1
Leavesden Asylum			 1
Cane Hill Asylum			 1
Tooting Beck			 2
Camberwell House Asylum			 1
Friedenheim			 1
St. Francis Hospital			1
St. Paneras Infirmary			1
Holborn Infirmary			 1
Paddington Workhouse			1
St. Lukes Home			2
Regent's Canal, Paddington			1
River Thames			1
In the Streets			3
In the bucets			-

Total 185

Births and Deaths.

The birth and death-rates, as deduced from the three months' statistics, are as follows :---

All Souls, birth-rate 14.1; death-rate 13.9. Rectory, birth-rate 19.4 death-rate 12.1. St. Mary, birth-rate 22.3; death-rate 14.4. Christ Church, birth-rate 23.7; death-rate 14.4. St. John, birth-rate 18.8; death-rate 15.9. The whole district, birth-rate 19.6; death-rate 13.5.

The average death-rates for five years (1897 to 1902) for the corresponding period were as follows:—All Souls, 13.2; Rectory, 15.6; St. Mary, 16.9; Christ Church, 18.7; St. John, 18.8; the whole district, 16.5.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes.

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE THIRTEEN WEEKS ENDING SEPT. 26TH, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES:-

		Total Deaths. 13]weeks ending Sept. 26th, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 13 weeks ending Sept. 26,1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1897-1902.
1. 2. 3.	Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular	55	178 181 226	$1.65 \\ 1.68 \\ 2.10$	3.69 2.07 1.89

NOTES.

- 1. Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.
- 3. Includes Phthisis, Scrofula, Rickets, and Tabes,

The Health of the District during the Quarter.

The cool, damp, unsettled summer, however disagreeable from the view of personal comfort, has been favourable to human life. Small-pox absent, scarlet fever below the average, diphtheria and typhoid also below, save during the last fortnight, diarrhœa lower than for a long period, and the general death-rate only 13.5 per cent.

Taking the decade 1893-1902 inclusive, diarrhœa accounted for 1,018 deaths, which averages about 102 per annum, the maximum of 180 being reached in 1899, the minimum of 42 in 1894. This diarrhœal mortality as a rule is restricted to the September quarter, and since the diarrhœal deaths have been only 25; 1903 bids fair to be a record year, and will probably show a figure below that of 1894.

Prosecutions under the Public Health Acts.

The occupier of stables in Montagu Mews North, was fined £5 and costs for not removing periodically the manure from Wyndham Mews.

The owner of 4, Harrow Street was summoned for neglecting to obey a notice of the Sanitary Authority, but the work being finished between the summons and the hearing thereof, the summons was withdrawn.

The owner of 69, Upper Berkely Street was summoned for failure to comply with a notice of the Sanitary Authority. Ultimately, after more than one adjournment, the summons was withdrawn on the work being done and payment of solicitor's costs.

The owner of 34, Great Barlow Street neglected to redrain the premises. A magistrate's order was obtained to do the work in 28 days, and a penalty inflicted with costs. The magistrate's order was not obeyed nor was the penalty or costs forthcoming; a fresh summons was issued for disobedience of the magistrate's order; this was heard on October 2nd, when the magistrate allowed the defendant a further time of 6 weeks. The defendant was arrested on leaving the Police Court and, at the present time, is said to be in prison for non-payment of rates.

The owner of 18, Paddington Street was summoned for letting kitchens illegally. The magistrate gave time for the rooms to be vacated, stating that in default the full penalty would be enforced. The order was obeyed.

Prosecution under the Housing of the Working Classes Act.

The owner of No. 6, Gees Court was summoned under the above Act, and a closing order obtained. Certain tenants did not obey the order, hence it was necessary to summon these tenants for disobedience of the magistrate's order. The premises are now closed.

The Laboratory-Sale of Food and Drugs Act.

150 samples of various foods and drugs (see Table XII) have been examined, but not a single certificate of adulteration has been given. A sample of coffee, it is true, had a small admixture of chicory, and a sample of milk might have been certified to contain some 2 per cent. of water. There were, however, doubts in each case as to wilful adulteration.

The present blank record is particularly satisfactory with regard to dairy produce, as a great proportion of the samples were collected in the streets on Sunday—a day which used to be specially selected by a certain class of milk-sellers for operating on the milk, believing that they could do so with impunity.

TABLE II.-Giving the Causes of Deaths during the September quarter, 1903, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Queen Char- lotte's Hospital.	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital o St. John & Elizabeth Grove Rd
Smallpox	-					
Smallpox	••				••	
Janulat Paren				••	••	
Diphtheria						
Cyphoid Fever				••		
Diarrhœa						
Trusinglac					2	••
Erysipelas	6				2	**
Pneumonia and Pleurisy	2		*:		6	
Pyæmia			1			
Syphilis	1				1	- 4
Cancer	35				11	
Phthisis & Tuberculosis	4				33	3
Rheumatism						
Apoplexy						
Paralysis					4	
Bronchitis	2				15	
Asthma						
Peritonitis						
Disease of Brain						
., Heart	12				7	
,, Kidney						
" Liver	1			1	3	
" Uterus						
,, Ovary						
Parturition						
Diabetes						
Fractures and Injuries	6				6	
Old Age					1	
Low Vitality, Infants						
Premature Birth		6		1		
Other causes	43	5	• 2	3	23	ľ
Total	*112	+11	**3	5	114	***4

* Of the 112 deaths in the Middlesex Hospital, 88 were those of non-parishioners.
† Seven of the 11 deaths in Queen Charlotte's Hospital were those of non-parishioners.
** The 3 deaths in the Samaritan Hospital were those of non-parishioners.
*** Three of the 4 deaths in St. John's Hospital were those of non-parishioners.

TABLE III — DISTRICT BIRTHS AND DEATHS FOR THE FOUR WEEKS ENDING AUGUST 29TH, 1903.

	Population	Birt	ths.	Dea	ths.
	in 1891.	Males.	Fmls.	Males.	Fm ls
All Souls Rectory St. Mary Christ Church St. John	35,391 19,849 18,099 39,536 20,426	$23 \\ 18 \\ 12 \\ 42 \\ 20$	$21 \\ 20 \\ 17 \\ 29 \\ 14$	$ \begin{array}{r} 18 \\ 4 \\ 12 \\ 35 \\ 10 \\ \end{array} $	$ \begin{array}{c} 13 \\ 8 \\ 7 \\ 16 \\ 16 \\ 16 \end{array} $
Total	133,301	115	101	79	60

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated, and extra-parochial deaths and others have been allotted to their proper sub-district.

TABLE IV.—DISTRICT BIRTHS AND DEATHS FOR THE FOUR WEEKS ENDING SEPTEMBER 26TH, 1903.

	Population	Bir	ths.	Des	ths.
	in 1901.	Males.	Fmls.	Males.	Fmls
All Souls	35,391	15	21	17	20
Rectory		9	16	16	8
St. Mary		17	17	13	11
Christ Church	39,536	39	36	38	19
St. John		12	10	13	19
Total	133,301	92	100	97	77

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated and extra-parochial deaths and others have been allotted to their proper sub-district.

TABLE V.-DISTRICT BIRTHS AND DEATHS FOR THE THIRTEEN WEEKS ENDING SEPTEMBER 26TH, 1903.

	Population	Bir	ths.	Deat	ths.
	in 1891.	Males.	Fmls.	Males	Fmls.
All Souls Rectory St. Mary Christ Church St. John	35,391 19,849 18,099 39,536 20,426	$58 \\ 41 \\ 47 \\ 129 \\ 52$	$ \begin{array}{r} 67 \\ 55 \\ 54 \\ 106 \\ 44 \end{array} $	56 31 36 94 34	45 29 29 48 47
Total	133,301	327	326	251	198

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated and extra-parochial deaths and others have been allotted to their proper sub-district. TABLE VI. — TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during August, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	00 10 10													
	(a)		Art Source		Dacemontee	INECTORS	Ge Minne	DF. MARY		URRIST UNURCH	G- T	ST. JUHN		SHEDT
POPULATION AT ALL AGES.	(ð) Census 190 Registered Birt		36,		19,	798		,637		,547		,611		,188
(0) 1	degistered bit	uo	1	44		08	103	29		71		31		216
(d)	Aged under or over 5	5	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
FACH LOCALITY OF THE MEDICAL ALTH.	1. Smallpox 2. Scarlatina		 1		 1			 4	 9	7	 7		 19	 23
NEW CASES OF SICKNESS IN FACH LOCALITY DMING TO THE KNOWLEDGE OF THE MEDIC OFFICER OF HEALTH.	 B. Diphtheris 4. Membrand Croup 			5	1	1			2	1	6	1	14	8
IN FACH GE OF TI HEALTH.	5. Typhus													
THE KNOWLEDGE OFFICER OF HEL	6. Enterio Typ 7. Continu	hoid					1							1
OF SI FE KI	7. Continu									1		1		2
TO TI	9. Puerpe	100												
NEW CASI COMING TO	10. Cholera													
CON	11. Erysipela	8.				2		2		11	••	1		16
BIR AT-	1. Smallpox													
TRE	2. Scarlatina		1	4	1	4	1	4	9	6	7	4	19	22
FOR FOR	3. Diphtheria		5	4	1	1			2	1	5	1	13	7
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.	4. Membrano Croup													
REM OCA	5. Typhus													
ASES RAL I OLATI	6. Enteric Typ					1								1
CH C SEVE IN IS	Typ 7. Continu											1		1
THE SN1	S. Relapsi												•	
BR O	9. Puerper													
OMES	10. Cholera 11. Erysipelas													 8





TABLE VII.—TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during September, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	(a)		ALL SOULS		RECTORY		Sr. Mary		CHRIST CHUNCH		Sr. JOHN	Totals	
POPULATION AT ALL AGES.	(b) Census 1901	35,		19,	.849		099		536	20,	425	133,30	
(c) R	egistered Births		36		25		34		5		44		
(d) 1	Aged under 5 orover 5	Under 5	õ upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
ICAL	(1. Smallpox										 5		27
LCCALITY MEDICAL	2. Scarlatina 3. Diphtheria	1	7	1 3	2		4	6	1	7	7	18	16
H L	4. Membranous	1				1	-						
RACH OF THE	Croup					•••							
SE IN RAC IDGE OF 7 HEALTH.	5. Typhus												
WLE	6. Enteric or Typhoid 7. Continued		4				1		-4		4		13
THE KNO OFFICER	5		••	••									
W CASES OF MING TO THE OFFI	8. Relapsing												
NEW CASES COMING TO T	\9. Puer	**		••	••						1		1
NIN(10. Cholera										4		
N 00	11. Erysipelas		1	1	3		2		7				17
AL.	1. Smallpox												
REAT	2. Scarlatina	1	7	1	2		4	4	9	2	5		27
OR TOR T.	3. Diphtheria	1	3	3 *	4	1	1	6	1	5	7	16	16
TIES FO	4. Membranous Croup												
NOWS NOWS	(5. Typhus												
NUMBRR OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TERAT- MENT IN ISOLATION HOSPITALS.	6. Enteric or Typhoid		5				1		2		1		9
I CA	Typhoid 7. Continued												
SUCE IE SI NT II	8. Relapsing												
N TI WE	9, Puerperal												
CBRR (BS 1	10, Cholera												
NUNHON	11. Erysipelas			1	2				1		1	1	4

TABLE VIII. – TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during the September Quarter, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	(a)	ALL SOULS		RECTORY		Sr. MARY		CHRIST CHUNCH		ST. JOHN		Totals	
AT AL	(ð) Census 1901 Registered Births	35,5	91	19,	849 96	18,	099	39,:	536 235	20,4	26	133,5	
(d) ,	Aged under 5 or over 5,	Under 5	5 upwards	Under 5	ő upwards	Under 5	5 upwards	Under 5	5 upwerds	Under 5	5 upwards	Under 5	5 upwards
NEW CASES OF SICKNESS IN EACH LOCALITY COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.	1. Smallpox 2. Searlatina 3. Diphtheria 4. Membranous Croup 5. Typhus 6. Enteric or Typhoid 7. Continued 8. Relapsing 9. Pnerperal 10. Cholera 11. Erysipelas	··· 7 9 ··· 1 ·· ·· ··	··· 19 8 ··· 6 ·· 5	··· 2 4 ··· ·· ··· ·· 1	··· 8 4 ··· 1 ··· 9	 I 	 12 3 1 4	··· 20 10 ··· ·· ·· ··	··· 22 4 ··· 4 1 ··· 21	 10 15 1 	 10 11 8 1 7	 40 39 2 2 1	 71 30 20 2 2 1 46
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.	1. Smallpox 2. Scarlatina 3. Diphtheria 4. Membranous Croup 4. Membranous Croup 6. Enteric or Typhoid 7. Continued 8. Relapsing 9. Puerperal 10. Cholera 11. Erysipelas	 1 	··· 18 7 6 	·· 2 4 ·· ·· ·· ·· ·· ·· ·· ·· ··	 8 4 1 1	··· 1 ·· ·· ·· ··	··· 12 * 2 ··· ·· ·· ·· ·· ·· ··	··· 19 10 ··· ·· ·· ··	··· 20 4 ··· 22 ··· 22 ··· 22 ··· ·· 7	··· 10 12 ··· 1 ·· ·· ·· ··	 10 11 3 1 3 3	··· 39 35 ··· 2 ··· ·· ··	 68 28 13 1 12

]	Death 1	s in w subjoi			ict at		D		in Lo all Ag	ocaliti zes).	es	Public ons,
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25,	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Publinstitutions,
Smallpox													
Measles	1			1			1.				1.		
Scarlet Fever	1		1								1		1
Whooping Cough													
Diphtheria and Mem- branous Croup	2		2					1				1	
Croup			**			• •				•••			
g (Typhus				•••								••	
Enteric				• • •		••			••	••			
(Other continued .	1			1				••		••	1	••	
Epidemic Influenza													
Cholera	••								••*				
Plague	••	•••				••							
Diarrhœa	10	10						2		2	5	1	1
Enteritis						1.2.2							
Puerperal Fever		••											
Erysipelas	1		4			1		1					L
Other Septic Diseases	1			1						1			1
Phthisis	20		1		1	15	3	5	1	5	5	4	17
Other Tubercular Diseases	5	1	3			1		1			3	1	
Cancer, Malignant Disease	13					9	4	1	3	2	3	4	23
Bronchitis	5				1	2	3		2		2	1	3
Pneumonia	7	1	1	1		3	1		2	1	4		
Pleurisy													
Other Diseases of Respiratory Organs													
Alcoholism Cirrhosis of Liver	4					4		1			2	1	
Venereal Diseases	1	1									1		
Premature Birth	5	5						1	1		3		
Diseases and Accidents													1
of Parturition Heart Diseases	1 22 2					6	7						
Accidents	1.0	1				1	1	1			2	4	9
Suicides				2		1		1	1			1	6 1
All other causes	43	9	3	2	5	18	6	14	1	7	13	8	32
All causes	139	28	11	8	6	61	25	31	12	19	51	26	*103

TABLE IX. - Causes of, and Ages at, Death during the 4 weeks ending August 29th, 1903, in the Borough of St. Marylebone.

*Of these, 28 were Non-Parishioners.

Alara Marriellor]	Death	s in v subjo	vhole bined		ct at		De		in Lo dl Ag	calitie es.)	28	ublic ins.
CAUSES OF DEATH.	All Ages.	Under 1.	1 and under 5.	and under 15,	15 and under 25.	25 and under 65.	65 and upwards.	All Souls.	Rectory.	St. Mary.	Christ Church.	St. John.	Deaths in Public Institutions.
Smallpox											2		 2
Measles	2		2			***							1
Scarlet Fever	1	1						1					1
Whooping Cough	2	1	1		***			1	***		1	1	4
Diphtheria and Mem- branous Croup	4		4	100				***			3	1	
Croup								***					
Typhus					***								
Fever Enteric	1					1		1		•••	•••		1
^t Other continued													
Epidemic influenza									***			***	
Cholera										•••		***	***
Plague						***		***				•••	***
Diarrhœa	10	8	1			***	1	1	1	2	3	3	1
Enteritis	1	1										1	
Puerperal fever	1					1					1	•••	
Erysipelas													
Other Septic Diseases	***									***			in
Phthisis	23		1	1	2	19		5	3	3	10	2	18
Other Tubercular	6	1	3	1	1			2		2	1	1	4
Diseases Cancer, Malignant	11					5	6	3		1	4	3	15
Disease Bronchitis	13					3	10	3	4	2	3	1	10
Pneumonia	8	2	4			2		3	1	2	2		4 '
												++>	
Other Diseases of													
Respiratory Organs Alcoholism												1	1
Cirrhosis of Liver	3					3		2	***				
Venereal Diseases	1		1					1	***				
Premature Birth	1	1										1	3
Diseases and Accidents	1				#1				1				
of Parturition Heart Diseases	19				1	13	5	2	1	5	5	6	12
Accidents	13	1	2	2		6	2	2	4	1	6		4
Suicides													
All other causes	53	6		2	3	23	19	10	9	6	16	12	36
All causes	174	22	19	6	8	76	43	37	24	24	57	32	117*

TABLE X.—Causes of, and Ages at, Death during the 4 weeks ending September 27th, 1903, in the Borough of St. Marylebone.

*30 of these were Non-Parishioners.

		Death		whole ined A		iet at		I.		in L all A	ocaliti ges).	ies	Public ions.
CAUSES OF DEATH.	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	ALL SOULS.	RECTORY.	ST. MARY.	CHRIST CHURCH.	ST. JOHN.	Deaths in Publ Institutions.
Smallpox													
Measles	3		2	1							3		3
Scarlet Fever	4	1	1	1	1			1	1		• 1	1	4
Whooping Cough	6	5	1		•			3			2	1	2
Diphtheria and Mem- branous Croup Croup	7		7					1			3	3	5
/marshare				••									
A	2			•••									
Other continued	1					2							2
				1			1				1		
(The land	2					1					1		
Diauna													
Dian		21		•••	•••							••	••
	25		3				1	4	1	5	11	4	3
	1	••	1			•••						1	
Puerperal Fever	1		••	••		1			••		1		
Erysipelas	3					2	1	2				1	7
Other Septic Diseases	5	**		2		3 .	••	1	-1	3	1		2
Phthisis	57	- **	2	2	5	43	5	14	6	9	20	8	-44
Other Tubercular Diseases	13	3	7	1	1	1		3		2	4	-k	4
Cancer, Malignant Disease	34	1.				22	12	7	6	5	8	8	54
Bronchitis	27	••	1	~*	**	6	20	4	8	4	7	4	21
Pneumonia	28	5	8	1		13	1	8	5	5	9	1	1
Pleurisy		**			**				••	•••		••	
Other Diseases of Respiratory Organs Alcoholism	1				**	11	1	1					
on nois of laver y						**						0	6
Venereal Diseases	3	1	1		••	1	••	2		••	1		1
Premature Birth	16	16			• •		••	4	3	1	6	2	8
Diseases and Accidents of Parturition	2				1	1		1	1	••	•••		
Heart Diseases	43	**			1	27	15	5	5	9	10	1)	30
Accidents.,	23	3	2	4		10	4	4	5	3	10	1	13
Suicides	2			••		2		1			1		2
All other causes	129	24	5	4	9	52	35	29	17	18	40	25	95
All causes	449	79	41	17	18	198	96	101	60	65	142	81	*309

TABLE XI. - Causes of, and Ages at, Death during the 13 weeks ending September 26th, 1903, in the Borough of St. Marylebone.

*112 of these were Non-Parishioners.

TABLE XII.-SALE OF FOOD AND DRUGS ACT

SAMPLES ANALYSED DURING SEPTEMBER QUARTER, 1903.

					Genuine.	Adulterated.	Total.
DAI	RY PRODUCTS-						
	Milk				42		42
	Butter				15	_	15
	Margarine				1	-	1
	Cheese				1		1
	Lard				2		2
ATC	OHOLIO PEVEDIOT	10					
ALC	OHOLIC BEVERAGE Whisky				16		16
	Duranda	••	••		$ 16 \\ 5 $		5
	Dum	•••	• •		3		3
	Clin				3		3
	Gin.,	•••	•••		5		0
NON	-ALCOHOLIC BEVE	RAGI	es-				
	Tea	••			2		2
	Coffee		••		9	-	9
	Coffee and Chicory		••		1	-	1
CON	DIMENTS-						
1997	Mustard				3		3
	Pepper				2		2
	Curry Powder			1	ī		ĩ
	Vinegar				î		î
	Sauce				1	_	1
SAC	CHARINE SUBSTAN	CES-	-				
	Jam				5		5
	Sweets	••		••	1		1
TIN	NED GOODS-						
L LLY.	Condensed Milk				1		1
	Pineapple	•••			3		3
	Tomatoes				1		1
	Ralman			•••	8		8
	Pears	•••			1		1
	Potted Meat	•••			4		4
	Bloater Paste	•••			2		2
	Condinor	••			2		2
	Monkanal	•••	••		ĩ		ĩ
	Baked Beans				î		1
	Peas				2	_	2
DRU	JGS-						
	Quinine				1		1
	Citrate of Magnesia	•.•			2	-	2
MIS	CELLANEOUS-						
	Custard Powder				1		1
	Force Food				1		1
	Corn Flour				1		1
	Ginger				î		1
	Olive Oil				1		1
	Lemon Squash				ĩ	-	1
	Bottled Gooseberrie	s			Î	_	1
					150		150
				1.000	100	A DOLLAR STORES	200

REGISTER OF SANITARY WORK Month ending 31st August, 1903.

		I	istric	t Insp	ectors	s.					
		M r. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J Andrews, No.3. District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.			Mr. R. Phillips, Special Duties.	Miss L. M. O'Kell.	Total.
Publ	ic Health (London) Act.										
	/Dwelling Houses, &c	36	28	75	23	35		 			197
	Tenements	38	30	35	62	19		 			184
	Underground Dwellings	11		25	5	18		 			59
	Dairies, Milk Shops, Cow Houses	8	1		1	12		 			22
	Slaughter Houses	2	1			2		 			5
	Yards, Stables, and Mews	32	28	25	53	49		 			187
tions	Smoke Shafts							 			
Inspections.	Offensive Trades and Effluvia Businesses			1				 			1
-	Refuse Receptacles	6	8	3	16	14		 			47
	Enquiries re non-removal of refuse	7	5	6	12	8		 		3	41
	Removal of Bodies to Mortuary							 			
	Visits to Works in Progress	120	103	95	125	108		 	23	7	581
	Miscellaneous Inspections	43	38	35	115	46		 	49	59	385
UNW	HOLESOME FOOD :										
1	Number of seizures made		1					 			1
INFE	ECTIOUS DISEASE :										
(Cases Isolated	1						 			1
(Cases removed to Hospital	17	14	11	8	12		 			62
	Rooms Disinfected	24	21	12	12	26	•	 			95
NEW	DRAINAGE :			-					1		
1	Number of Plans Passed	6	11	3	14	16		 			50
1	New Pipe Drains (feet)	940	1290	320	1350	1624		 			5524
1	Houses where defects in existing Drainage have been detected and remedied		13	10	8	12		 			54

REGISTER OF SANITARY WORK Month Ending 31st August, 1903.

		1	Distric	et Ins	pector	·s.	1			1	1.	
		Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.				Mr. R. Phillips, Special Duties.	Miss L. M. O'Kell.	Total.
Factory and Workshop Act.												1.200
Enquiries as to Occupation										4	2	6
Periodical Inspections :												
Factories	••••									1		1
Workshops										29	5	34
Bakehouses										30		30
Restaurants, &c										49		49
Homeworkers' Premises										10	42	52
Domestic Workshops											3	3
Food and Drugs Act.												
ADULTERATION.												
Samples collected for Analysis		24	6	18								48
Correspondence, Legal Procedu &c.	re,											
Complaints received		8	9	12	21	19				10	4	83
Letters and Intimations relating Abatement of Nuisances	to 	26	23	24	35	21					4	133
Statutory Notices Served		6	5	2	8	14						35
Proceedings taken before Magistrates												
(1) Under Public Health Act												
(2) " Factory & Workshop A									**			
(3) ,, Food & Drugs Act					•••							
Reports made to Medical Officer of Hea	lth	41	32	35	60					10		237
The same to incurrent officer of fica			02	00	00	02		***		10	'	201
			ler l	11								

REGISTER OF SANITARY WORK Month ending 30th September, 1903.

		1	Distri	et Insp	ectors.		1	1	1.	1		
		Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District,	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.				Mr. R. Phillips, Special Duties,	Miss F. A. Baker.	Total.
Publ	ic Health (London) Act.											
	Dwelling Houses, &c	76	86	95	12	26						295
	Tenements	38	32	45	9	18						142
	Underground Dwellings	6		10	1	8						25
	Dairies, Milk Shops, Cow Houses	8	1	2	1	7						19
	Slaughter Honses	2	4	3								- 9
35.	Yards, Stables, and Mews	28	9	30	15	29	·					111
ction	Smoke Shafts											
Inspections.	Offensive Trades and Effluvia Businesses			1								1
	Refuse Receptacles	6	4	. 3	5	9						27
	Enquiries re non-removal of refuse	4	3	9	0	7					5	28
	Removal of Bodies to Mortuary			1								1
	Visits to Works in progress	118	136	120	50	69				15	2	510
	Miscellaneous Inspections	34	48	45	60	42				29	38	296
JNW	HOLESOME FOOD.											
	Number of seizures made											
										000000		
NFE	CTIOUS DISEASE :											
С	ases Isolated	2	1									3
С	ases Removed to Hospital	18	15	13	12	21			•••			79
R	ooms Disinfected	26	21	20	31	11						109
EW	DRAINAGE :											
N	lumber of Plans Passed	4	6	6	6	7						29
N	www. Pipe Drains (feet)	250	986	300	200	846				30		2582
Н	ouses where defects in existing Drainage have been detected and remedied	7	9	9	2	7						34

REGISTER OF SANITARY WORK Month Ending 30th September, 1903.

		-							1		
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District,				Mr. R. Phillips, Special Duties.	Miss F. A. Baker,	Total
						SAN					
Factory and Workshop Act.					-					.1.B	
Enquiries as to Occupation									2	7	9
Periodical Inspections :											
Factories											d.
Workshops		×							9	6	15
Bakehouses									15		15
Restaurants, &c								·	29		29
Homeworkers' Premises										57	57
Domestic Workshops										2	2
								ign			
Food and Drugs Act.					ulon.	to fi		13.00			
ADULTERATION.					1.20	almi		Stic			
Samples collected for Analysis	6	24	8	17	18	8.71	1.13	1			73
						5.1					
Correspondence, Legal Procedure, &c,								rod			
	6	9	. 11	9	10		ohia		-3	2	50
			1								
Letters and Intimations relating to Abatement of Nuisances	11	10	12	7	14				Sig	4	58
Statutory Notices Served	2	1	4	1	8				<u>h.</u> 1	l	16
Proceedings taken before Magistrates					·		al s	1.0			·····
(1) Under Public Health Act						•		.h	2210		
(2) " Factory & Workshop Act											
(3) " Food & Drugs Act		1					17.5-10				1.111
Reports made to Medical Officer of Health	28	32	30	20	37				12	9	168

SANITARY CHRONICLES

BOROUGH OF ST. MARYLEBONE

OF THE

DURING OCTOBER, 1903,

BY ALEXANDER WYNTER BLYTH,

Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PRINTED BY ORDER OF THE COUNCIL.

VOL. XXIII. 3, UPPER GLOUCESTER PLACE, W., NOV. 6TH, 1903. No. 9.

The week ending October 3rd was the first of a series of wet weeks. Minimum temperature, 52.0° ; maximum, 68.0° ; mean, 61.7° Wind, S.W. Rain fell on four days up to 0.59 inch. Sunshine registered in Regent's Park equal to 26 per cent. of the possible. Mean barometer 29.8 inches.

The week ending October 10th was a wet week. Minimum temperature, 39.0°; maximum, 64.0°; mean, 53.5°. Winds, S.W. and N.W. On five days rain fell (1.29 inch). Sunshine, 18.7 per cent. Mean barometer 29.6 inches.

The week ending October 17th was similar to the preceding—a wet week. Minimum temperature, 43.5°; maximum, 61.5°; mean, 53.5°. Winds, W.S.W. Rain fell for five days to the amount of 1.85 inches. Sunshine, 27.4 per cent. Mean barometer 29.5 inches.

The week ending October 24th was wet and gloomy. Minimum temperature, 37.2°; maximum, 55.0°; mean, 50.9°. On four days rain fell (0.71 inch). Winds, S.S.W. Only six hours of sunshine recorded throughout the week. Mean barometer (low) 29.4 inches.

The week ending October 31st was, like the previous four weeks wet. Minimum temperature, 39.2°; maximum, 58.0°; mean, 52.8°. Winds, S.W. Rain fell each day save one (1.19 inch). Sunshine 20.7 per cent. Mean barometer 29.4 inches.

Hence no less than 24 out of 35 were days of rain, the rainfall in this district reaching the total figure of 5.63 inches—a greater rainfall than has been experienced within living memory during the corresponding period.

Births and Deaths.

During the five weeks ending October 31st there have been registered 261 births and 183 deaths These births and deaths are divided among the five sub-districts as set forth in Table IV. Sixty of the deaths were extra-parochial, as follow :—

St. Marylebone Infirmary, Notting Hill		40
Children's Hospital, Paddington		3
" Great Ormond Street		1
North-Eastern Children's Hospital		1
Western Fever Hospital		3
North-Western Fever Hospital	2	1
St. Mary's Hospital		2
St. George's Hospital		1
St. Thomas' Hospital		2
St. Bartholomew's Hospital		1.
University Hospital		1
Friedenheim		1
French Hospital		1
Hanwell Asylum		1
In the Streets		1
	Total	60

The birth and death-rates, as deduced from the five weeks' statistics, are as follows :---

All Souls, birth-rate 16.4; death-rate 12.6. Rectory, birth-rate 23.0 death-rate 16.2. St. Mary, birth-rate 17.8; death-rate 12.6. Christ Church, birth-rate 21.8; death-rate 16.6. St. John, birth-rate 23.9; death-rate 12.2. The whole district, birth-rate 20.4; death-rate 14.3. 105

The average death-rates for five years (1898 to 1902) for the corresponding period were as follows:—All Souls, 13.1; Rectory, 14.7; St. Mary, 15.1; Christ Church, 17.4; St. John, 16.3; the whole district, 15.3.

The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes.

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE FIVE WEEKS ENDING OCTOBER 31st, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES:--

		Total Deaths. 5 weeks ending Oct. 31st, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 5 weeks ending Oct. 31,1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1898-1902.
1. 2. 3.	Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular	19 31 27	$103 \\ 169 \\ 145$. 1.48 2.42 2.11	2.20 2.75 2.05

NOTES.

- 1. Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.
- 3. Includes Phthisis, Scrofula, Rickets, and Tabes.

Health of the District for October.

The death-rate is about the average. The ordinary infectious diseases, as shown by the curve, have been generally below the average.

A single case of modified extremely mild smallpox was notified, under circumstances which are not favourable to its farther extension.

Prosecution under the Public Health (London) Act.

The owner of Nos. 3 and 4, Wellington Place was summoned for not obeying a notice requiring new drains throughout the premises. The case was adjourned for three weeks for the work to be done.

Housing of the Working Classes Act.

Bentinck Court and Williams Cottages are situated in a rectangular court approached through an archway out of Henry Street, St. John's Wood, and also by a narrow passage from Upper William Street. The number of houses in Bentinck Court is 15, in Williams Cottages 4, the latter used to be separated from the court by a partition, this. however, became dilapidated, was destroyed by the occupants and not re-constructed. All the houses are tworoomed houses, and therefore each house is only large enough for a single family. The long lease expired about two years ago, a building contract for a lease has been granted by the freeholders (the Howard de Walden Estate) but no lease has been actually entered into. As usual, with tenement property, at the end of a lease, the structure generally of these cottages has deteriorated so that they are no longer fit for habitation. After waiting for signs of closing the court and demolition of the houses, the writer felt compelled to make an official representation, and the Public Health Committee ordered

summonses to be taken out for "closing orders." Closing orders were granted by Sir Albert de Rutzen, and in a short time this picturesque but insanitary court will be a thing of the past.

The Nightingale Street Scheme.

The greater portion of the Nightingale Street area has now been cleared, the general plan of the buildings to be erected is prepared, and the work of construction will shortly be commenced. It may be well to state that the action of Lord Portman is taken by virtue of a "Provisional Order," which is as much an Act of Parliament as any one of the general Statutes.

The chief powers and duties under this Order are as follows :—" 5. The existing buildings constituting the "Improvement area shall be taken down and removed, and "new dwellings upon the said lands or on some part " or parts thereof shall be erected by the Viscount Portman " as may be determined from time to time in that behalf by " the (London County) Council, with the approval of one of " His Majesty's Secretaries of State. The new dwellings " shall be constructed in such manner as to position, eleva-" tion, size, design, and extent of accommodation as the " (London County) Council, with such approval as aforesaid, " shall prescribe or approve, and to their satisfaction, so as " to afford in the aggregate suitable accommodation for not " less than five hundred and seventy-six persons of the " working classes.

"Such dwellings shall be furnished with such water-"closets, sinks, water supply, and other proper sanitary "arrangements as the Council shall prescribe and to their "satisfaction. Such of the lands constituting the Improve-"ment area as shall not be required for the purpose of "providing accommodation as aforesaid for five hundred "and seventy-six persons of the working classes may be "formed or laid out as an open space or recreation ground
" for the use of the residents in the new dwellings to be "erected by the said Viscount Portman. Viscount Portman "shall carry this scheme into execution in accordance with "and subject to the provisions of the Housing of the "Working Classes Act, 1890, and this scheme, and subject "to such modifications therein or additions thereto as may "be prescribed and made under the authority of the said "Act.

"6. The following street shall be stopped up and "form part of the Improvement area—viz., the whole of "Nightingale Street."

The last section of the Order, abolishing Nightingale Street, will render alterations of the existing Nightingale Street sewer a necessity; the sewer not only receives Nightingale Street sewage, but also that of the Board School and some six houses in Capland Street. If the sewer should have to be removed, provision must be made by the Local Authority for the drainage of the houses now draining into the sewer and not included in the scheme.



OCTOBER, 1903-CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER DURING 1903





TABLE II .- Giving the Causes of Deaths during October, 1903, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Char-	Hospita:.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove R1.
Smallpox					••	
Influenza					••	
Scarlet Fever		••				
Diphtheria						
Typhoid Fever	• •			1		
Diarrhœa		••		1		
Erysipelas				.;		
Pneumonia and Pleurisy	3			1	L	
Pyæmia						
Syphilis	::				4	2
Cancer	15		• •		11	ĩ
Phthisis & Tuberculosis	4	••				
Rheumatism			••			
Apoplexy					ï	
Paralysis	•:				10	
Bronchitis	1					
Asthma						
Peritonitis					••	
Disease of Brain						
., Heart					2	
,, Kidney						
" Liver	1					
" Uterus						
,, Ovary						
Parturition						
Diabetes						
Fractures and Injuries	3				2	
Old Age					4	
Low Vitality, Infants		••				
Premature Birth		2			•:	3
Other causes	7	1	1		5	0
Total	*34	†3	**1	2	40	***6

* Of the 34 deaths in the Middlesex Hospital, 29 were those of non-parishioners.
† One of the three deaths in Queen Charlotte's Hospital was that of a non-parishioner.
** The death in the Samaritan Hospital was that of a non-parishioner.
*** Three of the 6 deaths in St. John's Hospital were those of non-parishioners.

TABLE III.— TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during October, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

	(a	e)	ALL SOULS		RECTORY		ST. MARY		CHRIST CHURCH		Sr. Jour		Totale	Simo
AT AL		nsus 1901 red Births	35,3	91 56	19,8	419	18,0)99	39,1	536		426		,301
(d)	Aged	under 5 ver 5	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
DICAL		nallpox . arlatina .		1 6				 3					6	1 24
E MEI		phtheria	1	1	1				2	4	3	4	7	9
DRING TO THE KNOWLEDGE OF THE MEDICAL OWING TO THE KNOWLEDGE OF THE MEDICAL	4. Mo	embranous Croup							1				1	
DGE HKA		Typhus		•••										
OFFICER OF		Enteric or Typhoid		1						1		2		4
IE KN	E	Continued Relapsing		1				••	•••					1
COMING TO THE OVF		Puerperal						1						1
MING	10. 0	holera	'											
. 00	11. F	crysipelas.				16		3		6			**	25
-TA	1	nallpox												
TR		arlatina	2	5	1	1	•••	3	3	7		4	6	20
TALS.		phtheria embranous	1	1	1	••			2	4	3	3	7	8
HOMES IN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.	The states	Croup												
LocA tox F		Typhus . Enteric or		••							**			
BRAL	SRS.	Typhoid								1				1
IN IS	FEV 0	Continued Relapsing												
THT N		Puerperal												
ES II	1	bolera												
Nol	11. E	rysipelas				13								13

•

TABLE IV.—DISTRICT BIRTHS AND DEATHS FOR THE THIRTEEN WEEKS ENDING OCTOBER 31ST, 1903.

	Population	Bir	Births.		ths.
	in 1891.	Males.	Fmls.	Males	Fmls.
All Souls	35,391	28	28	27	16
Rectory	19,849	26	18	18	13
St. Mary	18,099	16	15	9	13
Christ Church	39,536	44	39	34	29
St. John	20,426	25	22	12	12
Total	133,301	139	122	100	83

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated and extra-parochial deaths and others have been allotted to their proper sub-district.

		Deat	hs in subj		Distr Ages,				eaths (at	in L all Ag	ocaliti ges.)	ies ,	ublic ns.
CAUSES OF DEATH.	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	All Souls.	Rectory.	St. Mary.	Christ Church.	St. John.	Deaths in Public Institutions.
Smallpox			1										
Measles	3		3										
Scarlet Fever	1		1								1		
Whooping Cough													
Diphtheria and Mem-	3												
branous Croup	2			2				1			1	1	2
Croup			2				***				1	1	
Fever { Typhus Enteric		***											
Fever { Enteric						1		1	***			***	1
(T) - 1						***	***	***	***	***		***	
Plague			***										
Diarrhœa	9	9						2	4	•••	3		2
Enteritis										•••		***	
Puerperal fever	1					1	•••		1				
Erysipelas	***				•••								
Other Septic Discases	3				1	2			1		2		1
Phthisis	20			1	1	18		5	1	3	6	5	11
Other Tubercular Diseases	7	2	2		1	2		1	1	1	2	2	2
Cancer, Malignant Disease	12		1			8	3	2	5		4	1	21
Bronchitis	2)	2	2			5	11	5	4	4	7	***	9
Pneumonia	11	6	3			1	1	4		2	1	4	5 -
Pleurisy													
Other Diseases of Respiratory Organs													
Alcoholism Cirrhosis of Liver j …	5					5		4	1				2
Venereal Diseases													
Premature Birth	8	8						1	1		5	1	2
Diseases and Accidents													4
of Parturition Heart Diseases	14				1	7	6	7	2		4	1	3
Accidents	7	1			2	2	2	2	1	2	2		2
Suicides	1		*			1					1		
All other causes	55	10	2	*	2	16	25	8	9	10	20	8	17
All causes	183	38	17	3	8	69	48	43	31	22	63	24	84*

TABLE V.—Causes of, and Ages at, Death during the 5 weeks ending October 31st, 1903, in the Borough of St. Marylebone.

*31 of these were Non-Parishioners.

REGISTER OF SANITARY WORK Month ending 31st October, 1903.

PUBLIC HEALTH DEPARTMENT.

			1	Distric	t Insp	ector	8.				
			Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No.3, District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.		Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total
Publ	ie Health (London) Act.										
	/Dwelling Houses, &c		72	76	92	49	37	 	 		326
	Tenements		54	32	42	60	41	 	 		229
	Underground Dwellings		21		30	12	17	 	 		80
	Dairies, Milk Shops, Cow Hou	ses	6	3	2	3	3	 	 		17
	Slaughter Houses		2	4			1	 	 		7
	Yards, Stables, and Mews		44	36	41	70	77	 	 		268
tions	Smoke Shafts							 	 5		5
Inspections.	Offensive Trades and Efflu Businesses	via 						 	 2		2
Ι	Refuse Receptacles		8	6	5	10	14	 	 	3	46
	Enquiries re non-removal of ref		6	7	5	7	6	 	 	2	33
	Removal of Bodies to Mortuary							 	 		
	Visits to Works in Progress			286		270	196	 	 2	5	1069
	Miscellaneous Inspections			84	50	180	162	 	 39	82	649
UNW	HOLESOME FOOD :										
P	Number of seizures made							 	 		
NFF	CTIOUS DISEASE :										
	Cases Isolated		1	1		1	3	 	 		6
	Cases removed to Hospital		10	7	14	6	8	 	 		45
	Rooms Disinfected			10	18	10	17	 	 		72
NEW	DRAINAGE :										
	Number of Plans Passed		1	4	2	3	5	 	 		15
	New Pipe Drains (feet)		320	1360			1246		 		3736
	Iouses where defects in exist Drainage have been detected a remedied	ing		15	12	6	9	 ~	 	-	50

REGISTER OF SANITARY WOKK Month ending 31st October, 1903.

PUBLIC HEALTH DEPARTMENT.

	-	Matel	st Inci	pector	-					-	
	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.	1 × 9/1			Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total
					.30/	(1)				HA	
Factory and Workshop Act.											
Enquiries as to Occupation									3	16	19
Periodical Inspections :								i an	73/7		
Factories									2	1	3
Workshops								1.171	49	74	123
Bakehouses									20		20
Restaurants, &c									56		56
Homeworkers' Premises						1117		-177	3	80	83
Domestic Workshops										5	5
22. 4											
Food and Drugs Act.	2.				27 .0						
ADULTERATION.				Y							
Samples collected for Analysis	9		16		9						34
						CLOSES -					
Correspondence, Legal Procedure, &c.					*			The last			
Complaints received	6	11	14	18	15				4	17	85
Letters and Intimations relating to										1.71	Darkiel
Abatement of Nuisances	24	28	26	30	27					17	142
Statutory Notices Served	4	2	6	2	5	505 I	. **1	171		05.30	19
Proceedings taken before Magistrates		••••						1310		1.122	
(1) Under Public Health Act		2									2
(2) " Factory & Workshop Act											
(3) " Food & Drugs Act											
(4) " Housing of the Working Classes Act		19									19
Reports made to Medical Officer of Health		30	31	40	64		1		28	11	226
			1	-			***				

THE

SANITARY CHRONICLES

OF THE

BOROUGH OF ST. MARYLEBONE

DURING NOVEMBER, 1903,

BY ALEXANDER WYNTER BLYTH,

Medical Officer of Health, and Analyst of Food and Drugs for the Borough of St. Marylebone.

PUBLIC HEALTH DEPARTMENT, 3, UPPER GLOUCESTER PLACE, ST. MARYLEBONE, DECEMBER 5TH, 1903.

VOL. XXXV. III.

No. 10.

The week ending November 7th was fine with moderate temperatures Minimum temperature, $36\cdot5^{\circ}$; maximum, $55\cdot0^{\circ}$; mean, $53\cdot0^{\circ}$. The winds, E.S.E. and N.N.E. On one day rain fell to the amount of 0.24 inch. The sunshine registered in Regent's Park amounted to 12 01 hours or about 18.9 per cent. of the possible. Mean barometer 30.1 inches.

The week ending November 14th was also a week of moderate temperatures. Minimum temperature, 40.0° ; maximum, 55.0° ; mean, 49.8° . On three days rain fell (0.18 inch). The winds were W.S.W. The sky was generally overcast and only 7.2 per cent. of sunshine was received. Mean barometer 30.1 inches.

The week ending November 21st. was cool, fairly dry, and fine. Minimum temperature, 34.2°; maximum, 54.2°; mean, 42.6°. Winds, N.N.W. On two days slight rain fell (0.06 inch). The sunshine amounted to 20 per cent. Mean barometer 29.9 inches.

The week ending November 28th was wet and stormy. Minimum temperature, 200°; maxim:m. 52.5°; mean, 45.8°. Winds, westerly. Rain fell on four days to the extent of 1.12 inch. Sunshine 10.8 per cent. Mear barometer 29.9 inches.

The characters of the November weather were somewhat unusual. There was generally a considerable amount of wind. Fogs and frosts were absent and during the last week much rain fell.

Births and Deaths.

During the four weeks ending November 28th there have been registered 207 births and 150 deaths. These births and deaths are divided among the five sub-districts as set forth in Table IV. Fifty-four of the deaths were extra-parochial, as follow :--

St. Marylebone Infirmary,	Notting	Hill		30
North-Western Fever Hos	pital			2
Western Fever Hospital				2
St. Mary's Hospital				3
Royal Chest Hospital				1
Colney Hatch Asylum				1
Hoxton Asylum				1
Banstead Asylum				1
Hanwell Asylum				4
Leavesden Asylum				2
Friedenheim				1
University Hospital				2
Children's Hospital, Great	Ormond	l Street		1
St. Luke's Home				1
In the Streets .		· · ·		2
			Total	54

The birth and death-rates, as deduced from the four weeks' statistics, are as follows :--

All Souls, birth-rate 18.8; death-rate 9.5. Rectory, birth-rate 15.1; death-rate 17.7. St. Mary, birth-rate 23.3; death-rate 12.9. Christ Church, birth-rate 23.0; death-rate 17.1. St. John, birth-rate 18.4; death-rate 17.2. The whole district, birth-rate 20.2; death-rate 14.7.

The average death-rates for five years (1897 to 1902) for the corresponding period were as follows:—All Souls, 14.3; Rectory, 19.7; St. Mary, 19.6; Christ Church, 19.2; St. John, 17.3; the whole district, 17.6. The following table gives, as usual, facilities for comparing the relative mortality from certain classes of disease and proportion to 1,000 deaths from all causes:

TABLE I.

SHOWING THE COMPARATIVE MORTALITY DURING THE FOUR WEEKS ENDING NOVEMBER 28TH, 1903, FROM CERTAIN CLASSES OF DISEASE AND PROPORTION TO 1,000 DEATHS FROM ALL CAUSES :--

	Total Deaths. 4 weeks ending Nov. 28th, 1903.	Proportion of the deaths to 1,000 deaths from all causes. 4 weeks ending Nov. 28, 1903.	Rate per 1,000 of the population.	Mean rate per 1,000 population for corres- ponding period 1897-1902.
 Deaths from the chief Zymotic Diseases Pulmonary, other than Phthisis Tubercular 	13 30 25	87 200 167	1·30 2·93 2·44	1·46 3·89 2·26

NOTES.

- 1. Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Influenza, Whooping Cough, Erysipelas, Croup, Fever, and Diarrhœa.
- 3. Includes Phthisis, Scrofula, Rickets, and Tabes.

The Health of the District during November.

The moderate temperature and for the most part clear atmosphere of November, 1903, decreased the amount of chest maladies materially and thus lowered the average death rate. Small-pox still continues absent although there have been cases in several other districts in the Metropolitan area. The only zymotic disease that shows an excess above the mean is diphtheria.

Prosecution under the Public Health Act.

The owner of 107, Princess Street, Edgware Road, was summoned for neglecting to provide the house with a water supply. The Magistrate made an order to close the premises with 23s. costs.

Housing of the Working Classes Act.

The writer has made a report under the Housing of the Working Classes Act, with reference to No. 11, High Street, St. John's Wood, which has become so dilapidated as to be unfit for human habitation. The Public Health Committee ordered the necessary notices to be served. This house with several others on the Howard de Walden Estate are to be pulled down and no doubt improved premises will be ultimately built in their place. For some reason or other, however, the schemes are delayed in execution and the condemned houses go from bad to worse. Even the best built houses after a few years require an annual expenditure to maintain them in repair, much more houses of 70 and 100 years old.

NOVEMBER, 1903.

CURVE SHOWING THE NUMBER OF CASES NOTIFIED WEEK BY WEEK OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER DURING 1903





TABLE II .- Giving the Causes of Deaths during the four weeks ending November 28th, 1903, at the Middlesex Hospital, Queen Charlotte's Lying-in Hospital, Samaritan Hospital, the Workhouse, the Hospital of St. John & Elizabeth, and the Marylebone Infirmary, Notting Hill, W.

	Middle- sex Hospital	Char-	Samaritan Hospital.	Workhouse	Notting Hill Infirmary.	Hospital of St. John & Elizabeth Grove Rd
		1				
Smallpox						
Influenza						
Scarlet Fever		••				
Diphtheria						
Typhoid Fever	•••				1	
Diarrhœa						
Erysipelas	.:	••				
Pneumonia and Pleurisy	1	••				
Pyæmia						
Syphilis	••	••			.;	
Cancer	4	••			7	4
Phthisis & Tuberculosis	3					
Rheumatism	••	••				
Apoplexy						
Paralysis						
Bronchitis	2				6	
Asthma						••
Peritonitis						
Disease of Brain						••
,, Heart	3				4	
,, Kidney						
., Liver					1	
" Uterus						
., Ovary						
Parturition						
Diabetes						
Fractures and Injuries .					2	
Old Age					2	••
Low Vitality, Infants						
Premature Birth		1				
Other causes	11			2	6	
Total	*24	+1		2	30	\$4

* Of the 24 deaths in the Middlesex Hospital, 17 were those of non-parishioners.
† The one death in Queen Charlotte's Hospital was that of an infant non-parishioner.
‡ The four deaths in St. John's Hospital were those of non-parishioners.

TABLE III. – TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, in the Sanitary District of ST. MARYLEBONE, during November, 1903; classified according to DISEASES, AGES, AND LOCALITIES.

-	(a)	Avr. Source		Durenton	DAKU LVIAT	S= Minu	OI. DIAKI		UHRIST UHURCH		ST. JOHN		Totals
(2) AT ALL AGES.	(ð) Census 1901 Registereð Births	38,	391 51	19,	849 23		000		,536 70		,4 26 29		,801
(d)	Aged under 5 or over 5	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards	Under 5	5 upwards
CALITY MEDICAL	1. Smallpox 2. Scarlatina 3. Diphtheria	 2 2	 2 4	 1 1	 5 1			 2 4	 5 1	 1 3	 8 6	 6 11	 20 14
NRW CASES OF SICKNESS IN FACH LOCALITY MING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.	4. Membranous Croup (5. Typhus							1				1	
S OF SICKNES HE KNOWLEI OFFICER OF	6. Enteric or Typhoid 7. Continued 8. Relapsing		2 1 		1				3				6 1
NRW CASE COMING TO 1	9. Puerperal 10. Cholera 11. Erysipelas.	 	 3	 	 4	 	 3	 1	 3	 	 1	 1	 14
M THEIR DE TREAT- 5.	1. Smallpox 2. Scarlatina 3. Diphtheria	 2 2	 2 4	 1 1		 1	 1	 2 4	 5 1	 1 3	 6 3	 6 11	 18 9
REMOVED FR. OCALITIES FO	4. Membranous Croup					·		1		•	•	1	
NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREAT- MENT IN ISOLATION HOSPITALS.	6. Enteric or Typhoid 7. Continued 8. Relapsing								3 				3
NUMBER OF HOMES IN TH MEN	9. Puerperal 10. Cholera 11. Erysipelas	 	 	 	 2		 1						4

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TABLE IV.—DISTRICT BIRTHS AND DEATHS FOR THE FOUR WEEKS ENDING NOVEMBER 28TH, 1903.

	Population	Bir	ths.	Deat	ths.
	in 1891.	Males.	Fmls.	Males	Fmls.
All Souls	35.391	27	24	11	15
Rectory	19,849	17	6	14	13
St. Mary	18,099	13	21	3	15
Christ Church	39,536	36	34	37	15
St. John	20,426	15	14	17	10
Total	133,301	108	99	82	68

NOTE.—In the above the births and deaths have all been properly corrected, strangers have been eliminated and extra-parochial deaths and others have been allotted to their proper sub-district.

		Deat	hs in subj	whole oined	Dista Ages	rict at				s in I all A	localit ges.)	ies	Public ions.
CAUSES OF DEATH.	All Ages.	Under 1.	I and under 5.	5 and under 15,	15 and under 25.	25 and under 65.	65 and upwards.	All Souls.	Rectory.	St. Mary.	Christ Church.	St. John.	Deaths in Publ Institutions.
Smallpox			K										
	. 4		3					1.40					
Scarlet Fever											3	1	
Whooping Cough	1	1											
Diphtheria and Mem-	3	1									1		
branous Croup Croup					***								
Typhus					+++								
Fever Enteric	2					2		1		***	1		1
Other continued													
Epidemic influenza													
Cholera													
Plague													
Diarrhœa	3	2					1		1	2			
Enteritis				***									
Puerperal fever									1.5				
Erysipelas											1		
Other Septic Discases	2					2		1		1			1
Phthisis	16				2	14		2	5	2	6	1	8
Other Tubercular	9	2		2	2	3			2		2	5	7
Diseases Cancer, Malignant	11		1			6	4	1	2	2	3	3	7
Bronchitis	15	4			1	4	6	4	2	3	5	1	7
Pneumonia	.15	2	8	***		2	3	1	1	1	12		1
Pleurisy													
Other Diseases of						***							
Respiratory Organs Alcoholism Cirrhosis of Liver	3					2	1	1		1		1	1
Venereal Diseases													
Premature Birth	1	1									1		1
Diseases and Accidents													3
of Parturition Heart Diseases	13				1	8	4	3	5	3	2		3
Accidents	4		2			1	1				2	2	2
Suicides	1					1						1	1
All other causes	47	11	2	1	2	19	12	12	8	3	14	10	30
All causes	150	24	19	3	8	64	32	26	27	18	52	27	*76

TABLE V.—Causes of, and Ages at, Death during the 4 weeks ending November 28th, 1903, in the Borough of St. Marylebone.

*21 of these were Non-Parishioners.

REGISTER OF SANITARY WORK Month ending 30th November, 1903.

PUBLIC HEALTH DEPARTMENT.

District Inspectors.									1		
		Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews. No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District.		Mr. E. Lumley, Dust Inspector.	Mr. R. Phillips, Special Duties.	Miss F. A. Baker.	Total.
Public Health (London) Act.											
	Dwelling Houses, &c	64	96	75	56	48		 			339
	Tenements	42		35	60	41		 			178
	Underground Dwellings	22	2	20	15	26		 			85
	Dairies, Milk Shops, Cow Houses	8	2	2	4	5		 			21
	Slaughter Houses	52	9	45	39	68		 			213
Db.	Yards, Stables, and Mews							 	3		3
Inspections.	Smoke Shafts							 			
	Offensive Trades and Effluvia Businesses							 			
	Refuse Receptacles	8	4	6	12	3		 40			73
	Enquiries re non-removal of refuse	6	3	5	6	7		 120		3	150
	Removal of Bodies to Mortuary		1					 			1
	Visits to Works in progress	164	178	160	280	174		 	39	19	1014
	Miscellaneous Inspections	86	93	75	175	81		 60	56	70	696
UNWHOLESOME FOOD.											
1	Number of seizures made			1				 			1
INFECTIOUS DISEASE :											
Cases Isolated		2	2	2	2			 			8
(Cases Removed to Hospital	9	11	13	16	7		 			56
ł	Rooms Disinfected	18	19	15	25	19		 			96
NEW DRAINAGE :											
1	Number of Plans Passed	6	6	5	7	7		 			31
1	New Pipe Drains (feet)	750	896	450	870	1641		 			4607
1	Houses where defects in existing Drainage have been detected and remedied	7	9	10	7	5		 			38

REGISTER OF SANITARY WORK Month ending 30th November, 1903.

PUBLIC HEALTH DEPARTMENT.

the second											
	District Inspectors.									÷	
Altinut en	Mr. J. Hodges, No. 1 District.	Mr. A. Perry, No. 2 District.	Mr. D. J. Andrews, No. 3 District.	Mr. T. Gorniot, No. 4 District.	Mr. W. Yeo, No. 5 District			Mr. E. Lumley, Dust Inspector,	Mr. R. Phillips, Special Duties,	Miss F. A. Baker.	Total.
Factory and Workshop Act.							(:10	Lne			H elkin
Enquiries as to Occupation									20	28-	48
Periodical Inspections :										in the second	
Factories								110	1		JU 1
Workshops									110	125	235
Bakehouses						· · · · ·			49		49
Restaurants, &c									28	2	28
Homeworkers' Premises									30	57	87
Domestic Workshops					1.1				F	2	2
Food and Drugs Act.						1.1.					
ADULTERATION.					-						
Samples collected for Analysis	18	24	14	30	13						
			1								
Correspondence, Legal Procedure,											
&c.	12	10	12	16	18			32	7	2	100
Complaints received	1 3	10	12	10	10			54	-ion)	4	109
Letters and Intimations relating to Abatement of Nuisances	12	16	21	29	11			8		8	105
Statutory Notices Served	4	4	3	5	7						23
Proceedings taken before Magistrates		Į									
(1) Under Public Health Act	. 1										1
(2) " Factory & Workshop Act											
(3) " Food & Drugs Act							<i>.</i>				ad 22
Reports made to Medical Officer of Health	34		30	56	49			20	15	5	209
Housing Working Classes Act		2									2
				1	Lt.iz	P EI		1001	a ha	1. 20 2 0 1	T-dia-1
the sure out on an D. T				13					1	5.621	1.00

4