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Annual Report

OF THE

Medical Officer of Health

OF THE

BRENTFORD

URBAN DISTRICT COUNCIL.

1913.

BY

HENRY BOTT, M.R.C.S., L.R.C.P., London.

MEDICAL OFFICER OF HEALTH,

AND

SUPERINTENDENT, ISOLATION HOSPITAL.

THE URBAN DISTRICT COUNCIL
OF BRENTFORD.

SANITARY COMMITTEE,

1912-1913.

Chairman of the Council.

W. H. MILLS, Esq., J.P.

Vice-Chairman of the Council and
Chairman of the Sanitary Committee.

F. F. POOLE, Esq.

Messrs. H. J. NEWENS, J. CLEMENTS,
and W. H. WALTER, M.D.

Medical Officer of Health
and Superintendent, Isolation Hospital.

HENRY BOTT, M.R.C.S., L.R.C.P., LONDON.

Sanitary, Housing, and Petroleum Inspector.

H. COLEMAN, M.S.I.A.,

CERTIFIED INSPECTOR OF MEAT AND FOODS.

Assistant.

C. S. BROCK.

Brentford Urban District Council.

ANNUAL REPORT.

1913.

*To the Chairman and Members of the
Brentford Urban District Council.*

April 1st, 1914.

GENTLEMEN,

I beg to present my report upon the health and sanitary condition of the Brentford Urban Sanitary District for the year 1913.

POPULATION.

I estimate the population to the middle of June to be: Old Brentford 14771, and New Brentford 2125, making a total of 16896.

BIRTHS.

The number of births has been 481, of which 224 were males, and 257 females, which is higher than last year when it was 457. The birth rate is 28.4 per thousand. There were also 9 children born of Brentford women outside the town, and the total birth rate is 29.0 per thousand. The birth rate is 1.2 higher than last year, but 2. lower than the average of the last 10 years. 19 of these births, viz., 12 inside the town and 7 outside, were illegitimate.

DEATHS.

The number of deaths occurring in Brentford during the year has been 168, of which 96 were males and 72 females. In Old Brentford 152 and in New Brentford 16, the death rates of which were respectively Old Brentford 10.29 per thousand, and New Brentford 7.5 per thousand. The Cottage Hospital is in New Brentford where 5 deaths occurred; and the Isolation Hospital in Old Brentford, in which I am happy to report there were no deaths. The death rate for the whole district is 9.9 per thousand. Included in this return are 7 non-residents, viz., in the river Thames 2, in the Canal 1, on the District Railway 1, killed by a Motor Car 1, and 2 died from natural causes, so that the correct death rate for residents who died in Brentford is 9.5 per thousand which is 1.6 higher than last year, which was the lowest ever recorded, and 2.5 lower than the average of the last 10 years.

CORRECTED DEATH RATE.

I have been supplied with the particulars of 73 deaths of inhabitants of Brentford who have died outside the town during the year. 58 of these lived in Old Brentford and 15 in New Brentford, and the outside death rate is 4.3 per thousand. These, when added to the 161 who died in the town, gives a total of 234 which I believe is a true account of the number of deaths which Brentford suffered during the year and gives a total death rate of 13.8 per thousand.

The following table gives the corrected death rate since 1905 when I was first supplied with a list of residents of Brentford who had died outside the town.

1905	1906	1907	1908	1909	1910	1911	1912	1913
17.6	17	19.2	14.9	14.9	13.3	17.4	11.3	13.8

They died in the following institutions :—

Brentford Workhouse Infirmary	...	...	...	...	44
Middlesex County Asylum	...	...	...	...	5
West London Hospital ...	...	...	...	...	5
Richmond Royal Hospital	...	...	...	...	7
Other London Hospitals and places	...	...	...	...	12

7 of these deaths were caused by senile decay, 7 by tuberculosis, 8 by pneumonia and bronchitis, and 7 by heart disease.

INQUESTS.

Thirteen inquests have been held, the same number as last year. In 1911 the number was 20, in 1910, 21, and in 1909, 25. Death resulted from drowning in 6 cases, 2 from burns, 1 from suffocation in bed, 1 from convulsions, 1 was electrocuted on the railway, 1 was killed by a motor car, and 1 died from congestion of the lungs.

The following table epitomises the ages at which death occurred:

Under 1 year	49	} 76 under 5 years.
1 and under 5 years	...	...	...	27
5 " 15	"	10	} 92 over 5 years.
15 " 25	"	...	...	5
25 " 65	"	...	...	41
Over 65	"	...	...	36

10 of these deaths occurred in persons over 80 years old and 1 was over 90.

INFANT MORTALITY.

The rate of this mortality or the proportion of deaths under 1 year to every 1000 births inside the town is 101.8. Last year it was

74.4, which was the lowest ever recorded. The average for the last 10 years is 121.8 so it is still 20 below that average. If to the 49 deaths which occurred in the town under 1 year old is added 13 deaths outside the town, we get a total of 62 deaths, and a death rate of 126.3 per thousand births inside and outside the town. In analysing the causes of these deaths, I find 10 were caused by diarrhoea, 15 were born prematurely, 5 by convulsions and 4 by debility from birth. It is always a great disappointment to me to record a high infant mortality, but in a working class population such as Brentford is, so many causes operate to destroy infant life that I fear it will be impossible for some years to come to permanently reduce it. Much has been done during the past years and is being vigorously continued to prevent it. Amongst the most important is better housing accommodation, instruction by leaflets as to the care and feeding of infants and frequent inspection of milk and dairies. I think a part time lady health visitor who would visit mothers and newly-born infants would be a great help and it would be wise to adopt the notification of Births Act.

The following table gives the rate and average infant mortality for the last 10 years.

1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	Average for 10 years
161.4	115	140.7	113.6	120.6	102.5	106.4	158.9	74.4	101.8	119.5

The following are the deaths from the principal zymotic diseases.

SMALL-POX.—None.

MEASLES.—Seventeen.

SCARLET FEVER.—None.

WHOOPING COUGH.—One.

DIPHTHERIA AND MEMBRANOUS CROUP.—None.

TYPHUS FEVER.—None.

ENTERIC FEVER.—None.

DIARRHŒA AND ENTERITIS.—Eleven.

The number of deaths from these 8 zymotic diseases has been 29 and the zymotic death rate is 1.7 per thousand which is .4 below the average of the last 10 years but 1.3 higher than last year which was the lowest on record. In my last year's report I expressed the opinion that the very low death rate last year was chiefly due to atmospheric conditions and I am sorry to say this has been borne out. We had a severe outbreak of measles in the early part of the year, chiefly in March and April, and in July there were many cases of diarrhoea and 6 deaths. I must once more urge upon parents the absolute necessity of cleanliness in every respect if they wish their children to escape diarrhoea, and to insist that it is not necessary for children to have measles and so expose them to infection, and when they have unfortunately contracted this most dangerous disease warmth in bed is the best remedy.

	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	Average for 10 years.
Number of births ..	545	530	476	519	464	468	479	434	457	481	485.3
Birth rate per 1000 ..	34.8	33.6	29.9	32.3	28.6	28.6	29	26.1	27.2	28.4	29.8
Deaths from all causes	252	208	216	234	174	175	157	207	137	168	192.8
Death rate per 1000 ..	16.1	13.1	13.5	13.9	10.7	10.7	9.4	12.4	8.1	9.9	11.7
Deaths from Small Pox	0	0	0	0	0	0	0	0	0	0	0
„ Measles.. ..	26	0	4	12	0	10	0	26	1	17	9.6
„ Scarlet Fever ..	0	4	7	5	0	1	0	0	1	0	1.8
„ Whooping Cough	3	2	3	8	1	7	1	3	5	1	3.4
„ Diphtheria	3	11	12	6	2	0	1	1	0	0	3.6
„ Typhus Fever ..	0	0	0	0	0	0	0	0	0	0	0
„ Enteric Fever ..	4	1	1	1	1	0	0	0	0	0	.8
„ Diarrhoea ..	34	16	32	1	17	10	17	26	1	11	16.5
„ 8 Zymotic diseases	70	34	59	33	21	28	19	56	8	29	35.7
Death rate of Zymotic diseases	4.4	2.1	3.7	2.0	1.2	1.7	1.1	3.3	.4	1.7	2.1

PHTHISIS.

The compulsory notification of pulmonary tuberculosis came into force on January 1st, 1912, and under the Insurance Act there is a Sanatorium at South Mimms for the whole county and also in every district a surgery for the treatment of tuberculous persons and 5 specially qualified Medical Officers have been appointed under the Act to carry out its provisions. The system has not yet had time to get into thorough working order but I hope that this very expensive final effort will quickly make phthisis as rare as the Dodo, for it must not be forgotten that it is a moribund disease which has been slowly decreasing since its cause and methods of propogation had once been discovered.

The following figures have been extracted from the register of notifications of cases of pulmonary and other forms of tuberculosis.

Notified by a Medical Practitioner in attendance on Patient.	} Form A.	69
Notified by a School Medical Inspector of a Public Elementary School.	} Form B.	1
Notified by the Medical Officer of a Poor Law Institution, as having been admitted into that Institution.	} Form C.	24
Notified by the Medical Officer of a Poor Law Institution as having left that Institution.	} Form D.	24
Notifications transferred to other districts.	...	10
Total number of notifications actually received	...	128
Deduct transferred notifications	... ..	10
Nett number of notifications...	... ..	118

Analysis of Notifications.

50 patients have been notified once	...	...	50 notifications
12 " " " " twice	...	...	24 "
10 " " " " three times	...	...	30 "
1 patient has " " four	...	...	4 "
2 patients have " " five	...	...	10 "
			118
Transferred	...	...	10
			128

HOUSING, TOWN PLANNING &c. ACT, 1909.

INSANITARY PROPERTY.

I have again to report that a considerable amount of insanitary property has been dealt with. During the past year 36 houses, including 17 which were under consideration at the end of last year have been reported upon, of which 19 were closed upon representation being made to the various owners by the Inspector, acting under the instructions of the Sanitary Committee, and 16 houses are in hand, three being occupied.

During the same period 25 houses have been repaired and rendered habitable; in some cases considerable amounts have been spent upon the property in order to meet with the requirements of the Council.

I am pleased to report that no appeals have been lodged with the Local Government Board against any closing or demolition orders made by the Council which speaks for the satisfactory manner in which the work of the Health Department is being carried on.

Since 1907, two hundred and sixty three dwelling houses have been reported as being unfit for human habitation, and the following table prepared by the Housing Officer, Mr. H. Coleman, shows the number of dwelling houses,

- (a) rendered habitable ;
- (b) closing orders in respect of which were revoked ;
- (c) demolished voluntarily ;
- (d) demolished upon receipt of demolition orders made under the Housing, Town Planning, &c., Act ;
- (e) unoccupied, and
- (f) occupied, but in hand 31st December, 1913.

Particulars.		1907	1908	1909	1910	1911	1912	1913	Total
53 Dwelling houses re- opened	(a) Upon being repaired & rendered habitable	..	5	7	6	1	8	25	52
	(b) Upon revocation of closing order ..	..	..	..	1	..	..	..	1
194 Dwelling houses de- molished	(c) Voluntarily	5	..	3	42	43	26	14	133
	(d) Under Sec. 18 of the Housing Town Plan- ning, &c., Act ..	..	..	..	3	22	31	5	61
16 Dwelling houses	(e) Remaining closed ..	..	..	..	..	..	..	13	13
	(f) Occupied, but in hand 31st Dec., 1913 ..	..	..	..	..	..	..	3	3
		5	5	10	52	66	65	60	263

The following is a brief record of the insanitary property dealt with during the year under review.

No. 15, Albany Road. As a result of an inspection of this house, the Inspector communicated with, and later met the owner on the property, who agreed to execute certain works. The work was

commenced but proceeded so unsatisfactory that the owner was again communicated with and the work was suspended. No further attempt has been made to repair the house, which is now unoccupied.

Nos. 1 and 2, Chapel Alley. A record of the inspection of these houses was submitted to the Committee, but before making closing orders, the Inspector was instructed to communicate with the owner. On the application of the Agent to the owner, the matter was allowed to stand over. The property has since changed hands and the houses are about to be demolished.

No. 268, High Street. This house was found to be in a dilapidated condition, and upon notifying the owner to this effect, instructions were given for the dilapidated outbuildings to be demolished. A new wash-house and w.c., has been erected, the drains reconstructed, sink provided, roofs and gullies overhauled, and the surface of the yard concreted.

Nos. 271 and 272, High Street. In accordance with instructions, the Inspector communicated with, and later met the owner on the property, with a view to the house being put into a habitable condition. The drains have been entirely reconstructed, two new water-closets and a wash-house have been erected, sinks provided, surface of yards concreted and a number of old and dilapidated outbuildings have been demolished.

Nos. 22 and 24, Brook Road. These houses have been overhauled and are now in habitable condition.

No. 38, Brook Road. This house has been overhauled and is now in good repair and habitable condition.

No. 19, Glenhurst Road. As the result of an inspection, the Inspector communicated with, and later met the owner on the property, who decided, owing to a want of means, to close the house, which remained unoccupied for some months. Finally the owner was persuaded to repair the same, and the house was re-occupied after the necessary works had been completed.

Nos. 2, 4, 6, 8, 10, and 12, Brook Road. The repairs and alterations mentioned in my last report, have been completed in a satisfactory manner. The houses are re-occupied, and the tenants appear to appreciate the improvements which have been effected.

Nos. 26, 28, 30, 32, 34, and 36, Brook Road. In my last report I mentioned that an inspection had been made of these houses, and that unless the owner carried out the necessary works to put the

houses in a proper habitable condition, legal proceedings would be taken. The owner, however, continued to ignore the request of the Inspector, consequently the Council instructed the Clerk to commence legal proceedings under the Public Health Acts, which resulted in the owner being fined 80s. and £4 1s. od. costs. The property was afterwards sold, and the new owner completely changed the aspect of the houses. Every room in each house was thoroughly stripped and afterwards disinfected and cleansed, all wood-work repaired, the surface of the yards and fore-courts cemented, new w.c.'s erected in two instances, new sinks provided, water provided direct from main, brickwork to main buildings and back additions re-pointed, and roofs overhauled, etc. The houses are now occupied by clean and suitable tenants.

No. 409, High Street. This house and the outbuildings belonging thereto were in a dilapidated and insanitary condition and in accordance with instructions the owner was communicated with. The outbuildings have been demolished and a new wash-house and water-closet have been erected on the site, the surface of the yard concreted, foul and surface water drains reconstructed, water supply provided from the Board's main, kitchen floor reconstructed, damp course inserted to house walls and sink provided. The water supply was previously derived from a well in the yard, which has now been filled in.

Nos. 1, 2, 3, 4 & 5, George's Court. These houses were mentioned in my last report. The alterations agreed upon between the owner and the Inspector, and approved of by the Council, have been carried out. The drains have been reconstructed, four water-closets and a suitable wash-house have been provided, and the approach to, and in front of the houses, has been asphalted. The living rooms and bed rooms have been ventilated by means of tubes carried up through the ceilings. All the houses are occupied.

Nos. 1, 2, 3 & 4, Providence Place, Albany Road. I inspected these houses with the Inspector. The owner was communicated with and, after viewing the property decided not to attempt to repair, and at once gave the tenants notice to quit. The houses have since been demolished.

Nos. 1, 2, 3 & 4, Star Cottages, Kew Bridge. I made an inspection of these houses in company with the Inspector, and a record of the inspection was submitted to the Committee with a view

to closing orders being made, but on the application of the owner, the matter was adjourned, the owner agreeing to close No. 4 which is now unoccupied.

DEMOLITION OF SANITARY PROPERTY.

During the past year 19 Dwelling Houses have been demolished, 14 being demolished voluntarily by the owners at the request of the Inspector, and 5 in compliance with demolition orders made by the Council under Sec. 18 of the Housing, Town Planning, &c., Act; also during the same period 21 houses have been erected on the vacant sites.

The following is a complete list of property demolished during the year.

Situation of Property.	Number of houses demolished	Remarks.
Hale's House, Hale's Yard	1	Closed voluntarily in 1912.
Nos. 1, 2, 3 and 4, Providence Place, Albany Road	4	Closed voluntarily.
Nos. 39, 41, 43, 45 and 47, Albany Road	5	Closed by order of the Council in 1912. Demolished upon receipt of demolition orders. Four houses have been erected on the site.
Nos. 41, 43, 45, 47 and 49, Back Lane, Albany Road	5	Closed voluntarily in 1912.
Nos. 7, 9, 11, and 13, Albany Road	4	Closed voluntarily in 1912. Twelve houses have been erected on site.
Total number demolished during the year	19	

The following table shows the number of buildings which have been erected on the sites of premises demolished during the past seven years.

Site.	Flats.	Self-contained houses.	Combined Shops & Dwelling Houses.	Cinemas.	Stables & Slaughter Houses.	Lock-up shops.
Back Lane	2	..	..	..	..	..
Crane's Cottages, Brook Road ..	..	7	1	..	..	..
High Street .. ..	..	2	3	1	..	2
Catherine Wheel Yard ..	..	1	..	..	..	..
Back Lane .. ..	..	4	..	..	..	..
Pump Alley	4	2	..	..	..	..
Lamb Passage, High Street ..	..	..	..	..	1	..
Albany Road.. ..	..	4	..	..	..	..
Sussex Place, Albany Road ..	..	12	..	..	..	..
Caroline Place, Albany Road ..	..	12	..	..	..	..
Walnut Tree Road & Running Horse Yard ..	..	5	..	..	..	..
Ram Alley .. ..	..	3	..	..	..	..
Totals	6	52	4	1	1	2

ISOLATION HOSPITAL.

The following table shows the number of cases treated at the Brentford Isolation Hospital during the year 1913.

Patients under treatment 31st Dec., 1912.

Scarlet Fever 6

Cases admitted during 1913.

Scarlet Fever 38
 Diphtheria 15
53

Total cases treated during the year ... 59

Patients discharged during 1913.

Scarlet Fever ...	...	...	37
Diphtheria ...	...	...	15
			<hr/> 52
Patients under treatment 31st Dec., 1913	...	...	7
Total	...		<hr/> 59

In addition to the above, five cases of Diphtheria admitted into the Hospital from Isleworth Infirmary, which Institution is in the Heston and Isleworth District, and seven cases of Scarlet Fever from the Urban District of Hanwell, are not included in this return.

INFECTIOUS DISEASE (NOTIFICATION) ACT.

Under this Act I have received 83 notifications, being a decrease of 22 as compared with last year. The following table shows the number of notifications received from Medical Practitioners during the various months of the year.

Month.	Scarlet Fever.	Diph- theria.	Erysipe- las.	Cerebro Spinal Menin- gitis.	Enteric Fever.	Total for month.
January	3	1	1	..	..	5
February	1	1	..	..	..	2
March	4	1	2	..	..	7
April	7	1	3	1	..	12
May	3	1	..	..	..	4
June	1	2	..	..	..	3
July	5	3	..	..	..	8
August	2	3	1	..	..	6
September	4	6	1	..	..	11
October	3	3	..	..	..	6
November	2	6	3	..	..	11
December	5	3	..	..	..	8
Totals	40	31	11	1	..	83

SCARLET FEVER.

During the year there have been a decrease in the number of cases of Scarlet Fever, 40 cases being notified as compared with 63 in 1912. The largest number of cases notified was during the month of April, viz., seven.

These 40 cases represent infection in 37 houses.

The following table shows the School incidence.

St. George's School	...	...	...	...	6
St. Paul's School	...	...	...	...	4
Ealing Road School	...	...	...	...	4
St. John's School	...	...	...	...	2
Boston Road Infants	...	...	...	...	2
Rothschild School	...	...	...	...	2
Private Schools (outside)	...	...	...	...	2
Private Schools (inside)	...	...	...	...	1
Under School Age	...	...	...	...	11
Over School Age	...	...	...	...	6
Total					40

DIPHTHERIA.

Thirty one cases of Diphtheria were notified during the year, being an increase of ten as compared with 1912. The largest number of cases notified was during the months of September and November, viz., six.

These 31 cases represent infection in 28 houses.

The following table shows the School incidence.

Rothschild School	...	...	...	...	4
Ealing Road School	...	...	...	...	4
St. Paul's School	...	...	...	...	2
Boston Road Infants	...	...	...	...	2
Half Acre School	...	...	...	...	1
St. George's School	...	...	...	...	1
Under School Age	...	...	...	...	7
Over School Age	...	...	...	...	8
Not Attending School...	...	...	...	...	2
Total					31

ENTERIC FEVER.

I am pleased to report that no cases of this disease have been notified.

The following table shows the number of cases notified during the past ten years.

1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
30	6	5	7	2	2	0	6	7	0

CLOSURE OF SCHOOLS.

It has not been found necessary to close any of the Schools on account of Epidemic Diseases.

Before closing this report I beg once more to thank the Head Teachers of the various Public Elementary Schools for so promptly supplying me with information of suspected infectious disease and so lessening the risk of the spread of infection.

I would also express to Sister Lucas and the Staff of the Cottage Hospital my most grateful thanks for all the care and attention they have given during the past year to the sick and suffering poor of the town. I rely upon them more and more every year and hope they will always be able to give the same cheerful and unremitting attention.

I have also to express to Mr. Coleman the pleasure I feel and in having a Sanitary Inspector to work with me who is at once so full of knowledge and who carries out his duties with so much tact and discretion. He now knows the town so thoroughly that his services to the Council are invaluable.

I am, Gentlemen,

Your obedient Servant,

H. BOTT,

Medical Officer of Health.

TABLE I.

Vital Statistics of Whole District during 1913 and
previous years.

Year	Population estimated to middle of each year	Births.			Total Deaths Registered in the District		Transferable deaths		Nett Deaths belonging to the District			
		Uncorrected Number	No.	Rate	No.	Rate	Non-Residents Registered in the District	Residents not registered in the district	Under 1 Year of Age		At all Ages	
									No.	Rate per 1000 nett Births	No.	Rate
1908	16194	464	..	28.6	174	10.7	..	67	56	120.6	241	14.9
1909	16638	468	..	28.6	175	10.7	..	70	48	102.5	245	14.9
1910	16482	479	..	29.0	157	9.4	..	63	51	106.4	220	13.3
1911	16608	434	442	26.6	211	12.7	4	83	75	169.6	290	17.4
1912	16752	457	468	27.2	137	8.1	4	67	42	91.9	200	11.3
1913	16896	481	490	28.4	168	9.9	7	73	62	126.3	234	13.8

Total population at all ages, 16584.
 Number of inhabited houses, 3659.
 Average number of persons per house, 4.5
 Area of district in acres (land and inland water), 1090 acres.

At census
 o
 1911.

TABLE II.

Cases of Infectious Disease notified during the Year 1913.

Notifiable Disease	Number of Cases notified								Total Cases Notified in Each Locality of the District				Total cases removed to Hospital
	At all Ages	At Ages—Years							St. Lawrence's or New Brentford	St. Paul's	St. George's	Totals	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards					
Small-pox .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague.. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Mem- branous Croup	31	2	5	16	6	2	..	..	..	22	9	31	15
Erysipelas	11	..	3	..	..	4	2	2	..	8	3	11	..
Scarlet fever	40	..	10	25	3	1	1	..	..	20	20	40	38
Typhus fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Relapsing fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro-spinal Meningitis ..	1	..	..	..	1	..	..	..	..	1	..	1	..
Poliomyelitis .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pulmonary Tuberculosis ..	46	..	..	5	7	22	11	1	7	28	11	46	..
Other forms of Tuberculosis	18	1	1	6	6	4	..	..	4	5	9	18	..
Totals	147	3	19	52	23	33	14	3	11	84	52	147	53

The Isolation Hospital, for the reception of Infectious Cases is situated within,
and provided and maintained by the Brentford Urban District.

Total available beds 22 }
" " cots 14 } 36

Number of diseases that can be concurrently treated, 3.

TABLE III.

Causes of, and Ages at Death during the Year 1913.

Causes of death.					Net Deaths at the subjoined ages of "Residents" whether occurring within or without the District.								
					All ages	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years.	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upwards
All causes	{ Certified ..	..	..	..	232	..	..	..	..	..	..	..	..
	{ Uncertified ..	..	..	..	2	..	..	..	..	..	..	..	..
Enteric Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Small Pox	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	17	1	6	7	2	1	..	..	..
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	1	1	..	..	..	..	..	..	..
Diphtheria and Croup	..	..	..	..	..	..	..	..	..	..	..	..	..
Influenza	..	..	..	..	1	..	..	..	..	..	1	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..
Phthisis (Pulmonary Tuberculosis)	..	..	..	..	14	..	..	..	..	1	8	5	..
Tuberculous Meningitis	..	..	..	..	5	3	..	..	2	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	4	..	1	1	1	..	1	..	..
Cancer, malignant disease	..	..	..	..	19	..	..	..	..	..	1	7	11
Rheumatic Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis	..	..	..	..	3	..	1	2	..	..	..	..	..
Organic Heart Disease	..	..	..	..	14	..	..	..	3	2	2	2	5
Bronchitis	..	..	..	..	19	2	..	1	..	..	2	4	10
Pneumonia (all forms)	..	..	..	..	18	4	5	..	2	..	1	2	4
Other diseases of respiratory organs	..	..	..	..	1	..	..	..	..	..	..	1	..
Diarrhoea and Enteritis	..	..	..	..	13	10	3	..	..	..	..	..	..
Appendicitis and Typhlitis	..	..	..	..	1	..	..	..	..	..	1	..	..
Cirrhosis of Liver	..	..	..	..	4	..	..	..	..	..	2	1	1
Alcoholism	..	..	..	..	..	..	..	..	..	..	..	..	..
Nephritis & Bright's Disease	..	..	..	..	11	..	..	..	..	..	..	6	5
Puerperal Fever	..	..	..	..	1	..	..	..	..	..	1	..	..
Other accidents and diseases of Preg- nancy and Parturition	..	..	..	..	2	1	..	..	..	..	1	..	..
Congenital Debility and Malformation, including Premature Birth	..	..	..	..	28	28	..	..	..	..	..	..	..
Violent Deaths, excluding Suicide	..	..	..	..	6	1	..	2	1	..	1	1	..
Suicide	..	..	..	..	2	..	..	..	..	1	1	..	..
Other Defined Diseases	..	..	..	..	48	9	1	..	..	..	10	7	21
Diseases ill-defined or unknown	..	..	..	..	2	2	..	..	..	..	..	..	..
Totals	..	..	..	..	234	62	17	13	11	5	33	36	57

TABLE IV.

Infant Mortality during the year 1913.

Nett deaths from stated causes at various ages under 1 year of age.

Cause of Death.				Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	4 weeks & under 3 months	3 months & under 6 months	6 months & under 9 months	9 months & under 12 months	Total deaths under 1 year.
All causes	Certified	..	..	..	..	..	..	..	..	..	..	..	..
	Uncertified	..	..	..	..	..	..	..	..	..	..	..	..
Small-pox .. ..				..	..	..	..	..	..	..	..	..	..
Chicken-pox .. ..				..	..	..	..	..	..	..	..	..	..
Measles .. ..				..	..	..	..	..	1	..	..	..	1
Scarlet fever .. ..				..	..	..	..	..	..	..	..	..	..
Whooping-Cough .. ..				..	..	..	..	..	..	..	1	..	1
Diphtheria and Croup .. ..				..	..	..	..	..	..	..	..	..	..
Erysipelas .. ..				..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis .. ..				..	..	..	..	..	..	1	..	2	3
Abdominal Tuberculosis (b) .. ..				..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases .. ..				..	..	..	..	..	..	..	..	..	..
Meningitis (not Tuberculous) .. ..				..	..	..	..	..	..	..	..	..	..
Convulsions .. ..				..	1	..	..	1	1	1	1	..	4
Laryngitis .. ..				..	..	..	..	..	..	..	..	..	..
Bronchitis .. ..				..	..	..	..	..	1	..	..	1	2
Pneumonia (all forms) .. ..				..	..	..	..	..	1	1	3	..	5
Diarrhoea .. ..				..	..	..	..	..	2	..	1	3	6
Enteritis .. ..				..	..	..	..	..	..	1	..	1	2
Gastritis .. ..				..	..	1	..	1	..	..	..	..	1
Syphilis .. ..				..	..	1	..	1	1	..	..	..	2
Rickets .. ..				..	..	..	..	..	..	..	..	..	..
Suffocation, overlying .. ..				..	..	..	..	..	..	1	..	..	1
Injury at birth .. ..				..	1	..	..	1	..	..	..	..	1
Atelectasis .. ..				..	..	..	..	..	..	..	..	..	..
Congenital Malformations (c)				1	..	..	..	1	1	..	..	..	2
Premature birth .. ..				..	9	2	3	14	..	2	..	..	16
Atrophy, Debility and Marasmus .. ..				..	1	1	..	2	2	2	4	..	10
Other Causes .. ..				..	2	..	..	2	..	..	1	2	5
Totals				15	5	3	..	23	10	9	11	9	62

Nett Births in the year } legitimate 471
 } illegitimate 19

Annual Report of the Medical Officer of Health for the year 1913, for the Urban District of Brentford, on the Administration of the Factory and Workshop Act, 1901, in connection with Factories, Workshops, Workplaces and Homework.

1.—Inspection of Factories, Workshops and Workplaces.

Including Inspections made by Sanitary Inspector or Inspector of Nuisances.

Premises. (1)	Number of		
	Inspections (2)	Written Notices (3)	Prosecutions (4)
FACTORIES (Including Factory Laundries)	12	3	Nil
WORKSHOPS (Including Workshop Laundries) . . .	137	29	Nil
WORKPLACES (Other than Outworkers' premises included in Part 3 of this report)	16	3	Nil
Total	165	35	Nil

2.—Defects found in Factories, Workshops and Workplaces.

Particulars. (1)	Number of Defects			Number of Prosecu- tions. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspect'r (4)	
<i>Nuisances under the Public Health Acts:—</i>				
Want of cleanliness	17	17	..	..
Want of ventilation	3	3	..	..
Overcrowding	1	1	..	..
Want of drainage of floors	2	2	..	..
Other nuisances.. .. .	5	5	..	..
Sanitary accommodation—				
Insufficient	2	2	..	..
Unsuitable or defective	1	1	..	..
Not separate for sexes .. .. .	..	..	..	..
<i>Offences under the Factory and Workshop Acts:—</i>				
Illegal occupation of underground bakehouse (s. 101).. .. .	..	..	..	..
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	2	2	..	..
Other offences (excluding offences relating to outwork which are included in Part 3 of this report) .. .. .	..	..	..	..
Total	33	33	..	..

URBAN DISTRICT OF BRENTFORD.

SEVENTH

Annual Report

OF THE

Sanitary Inspector.

1913.

PUBLIC HEALTH DEPARTMENT,
BRENTFORD,

March, 1914.

To the Chairman and Members of the Brentford Urban District Council.

GENTLEMEN,

I have the honour to present to you, pursuant to the Order of the Local Government Board, my SEVENTH Annual Report, in which is recorded the particulars of the work done in connection with the inspection of the district during the year 1913.

INSPECTION OF DISTRICT.

The total number of inspections made to premises in connection with the work was 2337. House to house inspection, supervision and testing drainage and sanitary fittings, inspection of canal boats, common lodging houses, dairies, cowsheds, milkshops, workshops, slaughter houses, bake houses, and of premises where foods are deposited, prepared, or exposed for sale, have each and all received the attention of your inspector. Visits have also been made under the direction of the Medical Officer of Health to houses in which cases of infectious disease have occurred.

I am pleased to report that there is continued evidence to show that many property owners and their agents, are quite willing to comply with any reasonable requirements wherever nuisances or insanitary conditions are found to exist. The usual practice of communicating with the persons responsible, has been continued, and in this way the sanitary condition of a large number of houses and other premises has been much improved without the necessity of specially reporting the matter to the Sanitary Committee. In one instance, intimation was given, by telephone, to the owner of a certain house that a nuisance existed, and as no notice was taken, the usual statutory notice was served, and it was not until a few hours prior to the case coming before the Justices that the nuisance was abated. The supervision of all works for the suppression or removal of nuisances whether it be a matter of repairs or reconstructional work involving considerable outlay, has been well maintained, and while no attempt has been made to exercise unreasonable control the efficient execution of the work was insisted upon.

In addition to the matters mentioned in this report, a considerable amount of time is of necessity taken up with clerical work, and interviewing builders and owners, at the office or on the property.

HOUSE DRAINAGE.

During the year the drains of 33 houses and premises were entirely reconstructed. New drains are in all cases constructed with stoneware or heavy iron coated pipes laid in concrete.

The drains are disconnected from the sewer by means of an intercepting trap, and proper means provided for their ventilation, cleansing, and inspection. Forty-five gullies, 17 intercepting traps, 31 pedestal water-closets, 3 soil pipes, 17 fresh air inlets, and 15 ventilation shafts were fixed, and 33 inspection chambers were built.

All new drains are subjected to the application of the water test before, and after the ground is filled in, and the air test is applied to soil and ventilating pipes.

Plans are required in all cases where drains are re-laid and these are filed and kept in the Surveyor's Department for future reference. The plans form a valuable record of the re-drainage work carried out in the District.

The following is a list of houses and premises the drains of which have been reconstructed during the year.

Situation of Premises.	No. of Premises.	Materials used in construction.									Remarks.
		Disconnecting and access chambers.	Intercepting traps fixed.	Fresh air inlets.	Gullies.	Ventilation shafts.	Soil pipes fixed.	Pedestal w.c.'s fixed.	Water-closets demolished.	New water-closets erected.	
No. 268, High Street ...	1	2	1	1	2	1	...	1	1	1	...
Nos. 1, 2 and 3, Cressage Road.	3	3	...	1	7	1	...	3	...	...	...
Nos. 1, 2, 3, 4, 5, 6, 7, 8 and 9, Kenley Road.	9	10	9	9	12	9	...	9	6	6	...
Nos. 26, 28, 30, 32, 34 and 36 Brook Road.	6	3	3	...	...	...	...	6	2	2	...
No. 12, Boston Road ..	1	1	...	...	...	...	1	1	...	...	...
No. 43, Boston Road ...	1	1	...	1	3	...	...	...	...	...	...
Nos. 271 and 272, High Street.	2	2	1	1	5	1	...	2	2	2	...
No. 409, High Street ...	1	3	1	1	5	1	...	1	1	1	...
"May Cottage," Albany Road.	1	...	...	1	1	1	...	1	...	...	...
No. 182, High Street ...	1	2	1	1	3	...	1	1	...	...	Iron pipes under house, Stables.
No. 105, Whitestile Road	1	...	...	...	1	...	...	...	...	...
Nos. 2, 4, 6, 8, 10 and 12, Brook Road.	6	6	1	1	6	1	1	6	6	6	...
Totals ...	33	33	17	17	45	15	3	31	18	18	

OFFENSIVE TRADES.

The premises whereon offensive trades are carried on have been regularly inspected and kept, so far as the nature of the business will allow, in a clean manner.

One application for consent to the establishment of a trade of a Fish Frier was received, and reported upon, and the necessary consent was given. The apparatus in use consists of an up-to-date appliance fitted with proper hood and side screens to prevent the escape of vapour, the hood being properly connected to a flue.

DAIRIES, COWSHEDS & MILKSHOPS.

There are three cowkeepers, five dairymen, and forty-eight purveyors of milk on the register. Seven applications for registration as retailers of milk have been received and reported upon during the year. Four purveyors of milk have been removed from the register, and one dairyman has discontinued keeping cows.

The quantities of milk sold by these retailers varies from one quart to nine quarts per day, some only keeping a small supply for the convenience of their customers.

Frequent inspections have been made to the dairies, cowsheds and milkshops, attention being given to the cleanliness of the premises, vessels and dairy appliances, and with few exceptions, were found to be well kept.

COMMON LODGING HOUSES.

The number of common lodging houses in the district remains the same as last year, and they contain twenty-nine rooms for sleeping purposes and afford accommodation for 171 lodgers nightly.

They have been inspected as occasion required, and kept as far as possible, in a clean condition. I am pleased to report that no cases of infectious disease have been notified at, or traced to, any of these houses.

No.	Situation of Premises	Rooms Registered	Accommodation for
1	Old Spring Gardens	3	12 Lodgers
2	"	2	8 "
3	"	2	8 "
4	High Street	4	25 "
5	"	6	24 "
6	"	12	94 "

SLAUGHTER HOUSES AND MEAT AND FOOD INSPECTION.

There are eight occupied slaughter-houses in the district, four of which are registered, and the remainder are subject to annual renewal. One application was received during the year for a license to re-occupy the premises in the Ham for the purpose of slaughtering cattle therein, but the application was refused by the Council.

The slaughter-houses are kept under constant observation and the necessary steps have been taken to secure proper compliance with the byelaws, particular attention being directed to cleanliness, removal of garbage, limewashing, etc. The visits to the premises have been timed, as far as possible, to take place at such times as slaughtering was likely to be in progress. In several instances the organs of animals were found to be affected with parasitical or other local affection, and these were destroyed upon attention being called to their condition.

I am pleased to again record the fact that the butchers, fish-mongers and general dealers have shown a desire to co-operate with the department by sending for me when they have been in possession of food which they considered to be of a doubtful nature.

There have been thirty-five seizures of unsound food, and in three instances the seizures were made in accordance with the Public Health Acts and the articles submitted to a Justice of the Peace and an Order, in each case, was obtained to destroy the food so as to prevent it being used for the food of man. In one instance the Council ordered legal proceedings to be taken against a hawker for exposing unsound fruit for sale at Kew Bridge. The defendant was convicted and in default of paying the fine was committed to prison for seven days.

The following table shows the amount of food destroyed during the year.

No.	Article of food.	Result of Examination.	Weight.				Remarks.
			T.	C.	Q.	lbs.	
1	Bananas ..	Unfit for food ..	9	0			Surrendered.
2	Pears ..	Unwholesome ..		2		16	Seized & destroyed upon receipt of Magistrate's Order.
3	Beef ..	Bone taint ..	2				Surrendered.
4	Liver (Ox) ..	Affected with Flukes				15	Surrendered upon attention being called to its condition.
5	Lungs (Sheep) ..	Parasitic Pneumonia				2	Surrendered upon attention being called to its condition.
6	Carrots ..	Unfit for food ..	1	16	3		Surrendered.
7	Beef ..	Decomposed ..			3	19	Ditto.
8	Beef ..	Ditto				21	Ditto.
9	Beef ..	Ditto				19	Ditto.
10	Beef ..	Ditto				12	Ditto.
11	Cod ..	Ditto			2	12	Ditto.
12	Lamb ..	Ditto				14	Ditto.
13	Ox liver and one set of lungs	Affected with Echinococcus				20	Surrendered upon attention being called to its condition.
14	Potatoes ..	Decomposed ..	3				Surrendered.
15	Beef ..	Ditto				13	Ditto.
16	Kidneys (Sheep)	Ditto				6	Ditto.
17	Pig Tail & Hock	Ditto				2	Seized and destroyed upon receipt of Magistrate's Order.
18	Beef ..	Ditto				24	Surrendered.
19	Kidneys (Sheep)	Ditto				8	Ditto.
20	Kidneys ..	Ditto				3	Ditto.
21	Kidneys ..	Ditto				22	Ditto.
22	Liver (Ox) ..	Ditto				14	Surrendered upon attention being called to its condition.
23	Kidneys ..	Ditto				12	Surrendered.
24	Pig's Head ..	Tubercular Glands				8	Surrendered upon attention being called to its condition.
25	Mutton ..	Decomposed ..			1		Surrendered.
26	Mutton ..	Ditto				11	Ditto.
27	Onions ..	Ditto	18	2			Ditto.
28	Beef ..	Ditto		2			Ditto.
29	Beef ..	Ditto		1		9	Ditto.
30	Beef ..	Ditto				20	Ditto.
31	Mutton ..	Ditto				8	Ditto.
32	Grapes ..	Unwholesome ..				20	Ditto.
33	Beef ..	Bone taint	2	1		19	Ditto.
34	Mutton ..	Decomposed ..				13	Ditto.
35	Mutton ..	Ditto				9	Ditto.
Total weight of Food destroyed ..			6	14	2	15	

CANAL BOATS.

During the year 36 boats were inspected. I am pleased to report that the condition of the boats and their occupants was satisfactory. The infringements of the Acts and Regulations were not of a serious nature. They are as follows:—

Absence of water vessel	...	...	...	...	1
Leaky cabin roof	...	...	...	...	1
No Certificate	...	...	...	...	1
Boats not registered	...	...	...	...	2

No legal proceedings have been taken in respect of any infringements. One complaint note has been issued and I have signed five complaint notes issued by other authorities and attended to various other requirements. No cases of infectious disease have been notified upon any of the boats and therefore it has not been necessary to detain any vessel for the purpose of cleansing and disinfection.

Nine boats have been registered during the year.

(a) Motor propelled boats	...	...	...	...	0
(b) Other boats	...	...	...	...	9

Three of these boats were previously registered with this authority upon change of ownership.

The total number of boats on the register believed to be in use or available is as follows:—

(a) Motor propelled boats	...	...	...	...	4
(b) Other boats	...	...	...	...	308
(c) Boats that cannot be traced	...	...	...	...	14
(d) Struck off register	...	...	...	...	4
Total	...	...	...	...	330

INFECTIOUS DISEASE & DISINFECTION.

During the year 83 cases of Infectious Disease have been investigated and reported upon to the Medical Officer of Health.

76 rooms have been disinfected upon the removal, recovery or death of a patient, 12 rooms have been stripped and cleansed as required by Section 5 of the Infectious Disease (Prevention) Act, 1890.

Reference to Table I shows the precautions taken in order to prevent the spread of the Disease.

Nature of Disease.	Investigated.						Removed to Hospital.					
	1908	1909	1910	1911	1912	1913	1908	1909	1910	1911	1912	1913
Small Pox ..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	26	17	22	32	21	31	8	7	16	26	2	15
Enteric or Typhoid												
Fever ..	2	2	0	6	7	..	..	..	..	1	5	..
Erysipelas ..	18	17	15	10	11	11	..	1*	..	..	..	..
Scarlet Fever ..	42	119	24	55	63	40	39	114	24	53	57	38
Typhus Fever ..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ..	1	1	..	1	3	..	1*	1	..	..	1*	..
Cerebro Spinal Fever	..	..	..	..	..	1	..	..	..	..	..	..
Totals ..	89	156	61	104	105	83	48	123	40	80	65	53

* Patient removed to Isleworth Infirmary.

PROSECUTIONS.

Fourteen summonses were issued during the year for various offences under the Public Health Acts, and a conviction in each instance was recorded. Other prosecutions were ordered, but proceedings were stayed as the nuisances were abated, or the work required to be done was put in hand after intimation of intended proceedings had been given to the persons concerned. The following particulars are extracted from the Register of Prosecutions.

Date of Offence.	Nature of Offence.	Act under which proceedings were instituted.	Result.
Jan. 12	Exposing unsound pears for sale.	Public Health Act, 1875.	Fined 10s. or seven days imprisonment.
Feb. 13	Permitting down spout to act as ventilating shaft.	Public Health Acts Amendment Act, 1907.	The Justices made an Order in each instance for the various nuisances to be abated, and fined defendant £8 and £1 1s. costs.
Ditto	Ditto	Ditto.	
Ditto	Ditto	Ditto.	
Ditto	Ditto	Ditto.	
Ditto	Failing to abate nuisances arising from the dirty and defective condition of the premises.	Ditto.	
Ditto	Ditto.	Ditto.	
Ditto	Ditto.	Ditto.	
Ditto	Ditto.	Ditto.	
Ditto	Failing to comply with notice to provide proper water supply.	Ditto.	
Ditto	Ditto.	Ditto.	
Ditto	Ditto.	Ditto.	
Ditto	Ditto.	Ditto.	
July 1st	Failing to abate a nuisance arising from a choked water closet drain.	Public Health Act, 1875.	Fined £2 and £1 1s. costs.

SUMMARY OF PROCEEDINGS.

Year.	Penalties Imposed.		Totals.
	Fines.	Costs.	
	£ s. d.	£ s. d.	£ s. d.
1907	6 10 0	19 11 0	26 1 0
1908	3 10 0	24 2 0	27 12 0
1909	0 10 0	21 1 0	21 11 0
1910	18 10 0	3 0 6	21 10 6
1911	16 0 0	6 6 0	22 6 0
1912	27 10 0	3 9 0	30 19 0
1913	6 10 0	5 2 0	11 12 0
Totals ..	79 : 0 : 0	82 : 11 : 6	161 : 11 : 6

PETROLEUM ACTS, 1871-1881, AND ORDERS IN COUNCIL THEREUNDER.

These Acts provide for the safe keeping of Petroleum, which when tested in the manner prescribed by Schedule One of the Act, gives off an inflammable vapour at a temperature below 73° Fahr. Petroleum having a flash point below this figure must be stored under the provisions of a License, except when kept in separate pint vessels, the quantity kept not exceeding three gallons, or when kept for fuel for light locomotives under the Secretary of State's Regulations, the limit then being sixty gallons, in two-gallon vessels for one store house.

During the year fourteen applications for renewal of licenses to keep petroleum and one for permission to increase the amount of Petroleum kept from 200 to 250 gallons were received and reported upon. In each instance the applications were granted on the usual conditions.

Fifteen notices have been received from owners of motor cars giving notice of their intention to keep motor spirit under the provisions of the Secretary of State's Regulations made pursuant to Section 5 of the Locomotives on Highways Act, 1896.

The licensed premises, stores and motor garages, have been inspected, and the conditions upon which the licenses were granted, have been with few exceptions, well carried out.

Fourteen licenses are now in force covering 4265 gallons of Petroleum Spirit.

During the year twelve samples of oils have been purchased and tested all of which were found to be above the flash point prescribed by the Act.

CONCLUSION.

In conclusion I desire to express my appreciation of the support which has been extended to me by every member of the Council and the Medical Officer of Health in my endeavour to improve the sanitary condition of the district.

I am, Gentlemen,

Your obedient Servant,

H. COLEMAN,

*Sanitary, Housing, and
Petroleum Inspector.*

TABLE I.

PRECAUTIONS TAKEN AGAINST INFECTIOUS DISEASE.

Number of cases investigated and reported upon	...	...	83
„ revisits to infected houses	...	...	76
„ rooms disinfected upon recovery or death of patient	...	...	76
„ reports sent to Head Masters and Mistresses	...	...	66
„ „ „ County Medical Officer	...	...	56
„ „ „ School Attendance Officer	...	...	56

TABLE II.

STEAM DISINFECTION.

The following articles were removed from infected houses to the Isolation Hospital and subjected to steam disinfection.

Number of beds and mattresses	...	...	...	...	76
„ pillows	...	...	...	...	106
„ bolsters	...	...	...	...	46
„ blankets	...	...	...	...	104
„ sheets	...	...	...	...	85
„ quilts, counterpanes, etc.	...	...	...	...	69
„ other articles	...	...	...	...	248
Total					736

TABLE III.

Table showing number of cases of Infectious Disease notified in various Streets in the URBAN DISTRICT OF BRENTFORD during the year 1913—alphabetically arranged.

Road, Street or Place.	Scarlet Fever	Diphtheria	Erysipelas	Cerebro- Spinal Fever	Totals
Albany Road .. ..	..	..	..	1	1
Avenue Road	2	..	..	..	2
Boston Road .. ..	..	..	1	..	1
Boston Park Road	1	..	..	..	1
Bedford Road	3	..	..	..	3
Burford Road	2	..	..	..	2
Bollo Lane	1	..	..	..	1
Brook Road South .. ..	..	..	2	..	2
Brook Road North .. ..	..	3	..	..	3
Clifden Road	1	..	..	..	1
Distillery Road	1	1	..	..	2
Ealing Road	2	1	..	..	3
Eastbourne Road	1	2	..	..	3
Enfield Road, W. .. ..	..	1	..	..	1
Green Dragon Lane	2	..	..	..	2
Glenhurst Road.. ..	..	1	..	..	1
Grosvenor Road	3	..	..	..	3
Greet Road .. ..	..	..	1	..	1
George Road	1	1	..	..	2
Goat Wharf	1	..	..	..	1
Hamilton Road.. ..	1	..	..	..	1
High Street	1	1	..	..	2
Harnage Road	2	1	..	..	3
Junction Road .. ..	..	1	..	..	1
Kenley Road	1	2	1	..	4
Kew Bridge Road .. ..	..	2	..	..	2
Layton Road .. ..	..	1	..	..	1
Mafeking Avenue	1	3	..	..	4
Netley Road, W.	1	..	..	..	1
New Road	1	1	..	..	2
North Road	3	2	1	..	6
Old Spring Gardens	1	..	..	..	1
Orchard Road .. ..	..	2	..	..	2
Pottery Road	1	..	..	..	1
Paradise Place .. ..	..	..	1	..	1
Thorneyhedge Road .. ..	..	1	..	..	1
Walnut Tree Road	2	..	..	..	2
Whitstile Road	2	1	2	..	5
Windmill Road	2	3	2	..	7
Totals	40	31	11	1	83

TABLE III.

County of Middlesex—Sanitary Work, 1913.

Inspections.

Number of premises inspected in connection with In- fectious Diseases...	181
" " under periodical inspection ...	127
Houses inspected from house to house (H. and T.P. Act.)	80
Total number of inspections and re-inspections made ...	2337

Action taken. (Other than under H. and T.P. Act.)

Cautionary or intimation notices given	307
Statutory orders issued	115
Summonses served... ..	13
Convictions obtained	13

Dwelling houses and action under H. and T.P. Act, 1909.

Number of houses dealt with under Sect. 15	20
Number of houses found to be in a state dangerous or injurious to health (Sect. 17)... ..	36
Number of representations made by M.O.H. (Sect. 17)	36
Number of houses made habitable without closing orders	25
Number of closing orders made by L.A. (Sect. 17)... ..	0
Number of houses closed voluntarily	19
Number of closing orders determined after repairs (Sect. 17)	
Number of houses demolished (a) by order of L.A. (Section 17)	5
(b) voluntarily	14
Illegal underground rooms vacated	0

Houses let in lodgings (tenement houses.)

Number registered under Bye-laws	30
Number of contraventions... ..	12

Common Lodging Houses.

Number registered under Bye-laws	6
" of inspections made	10
" of contraventions	3

Canal boats used as dwellings.

Number registered under the Acts.	9
" of contraventions of regulations	5

Moveable Dwellings, Caravans, Tents, &c.

Number observed during the year	...	...	...	39
„ of nuisances therefrom abated	...	...	...
„ removed from District	...	...	...	39

Bakehouses.

Number in District...	...	...	...	13
Contraventions of Factory Acts	...	...	...	2

Slaughter Houses.

Number on register	...	...	...	8
„ of inspections made	...	...	...	210
Contraventions of Bye-laws	...	...	...	12

Cowsheds.

Number on register	...	...	...	3
„ of inspections made	...	...	...	12
Contraventions of regulations	...	...	...	2
Number of Milch cows in District	...	...	...	9

Dairies and Milkshops.

Number on register	...	...	...	53
„ of inspections made	...	...	...	92
Contraventions of regulations	7

Unsound Food.

Method of Disposal	By burning at Destructor
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Offensive Trades.

Number of premises in District	5
„ inspections made...	23
Contraventions of Bye-laws	2

Water Supply and Water Service.

Cisterns, New provided	...	...	...	15
„ Cleansed, Repaired, Covered, &c.	...	...	...	48
Draw Taps placed on Mains	...	...	...	59

Drainage and Sewerage of Existing Buildings.

Water-closets—Repaired, supplied with water, or otherwise improved	94
Drains—Examined, tested, exposed, &c.	86
„ Unstopped, repaired, trapped, &c.	109
„ Waste pipes, rain water pipes disconnected, repaired, &c.	23
„ New soil pipes or ventilating shafts fixed	18
„ Existing soil pipes or ventilating shafts repaired	12
„ Disconnecting traps or chambers inserted	33
„ Reconstructed	33

Disinfection.

Rooms disinfected—Ordinary infectious disease	69
„ Measles	2
„ Cancer	1
„ Phthisis	4
Rooms stripped and cleansed	12
Articles disinfected or destroyed—Ordinary infectious disease	736
„ „ Phthisis	

Dust.

New bins provided	60
How frequently is dust removed from each house?	weekly
Number of complaints of non-removal received	2
Method of disposal... ..	Destructor

Sundry Nuisances Abated.

Overcrowding	3
Smoke	2
Accumulations of refuse	25
Foul Pigs and other animals	9
Dampness	60
Yards repaved or repaired... ..	56
Other nuisances	30

The above do not include nuisances abated or prevented at the verbal request of your Inspector, or nuisances existing in houses regarding which notices have been served or action taken under the Housing, Town Planning, &c., Act, 1909.