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Medical Officer of Health.

ROBERTSON
31st Street
New York City

TWENTY-SEVENTH
ANNUAL REPORT
ON THE
Public Health

OF THE

BOROUGH OF



BRIGHOUSE

FOR THE YEAR 1919,

BEING THE

TWENTY-THIRD ANNUAL REPORT

OF

FREDERIC WILLIAM MARTIN,

M.R.C.S. Eng., L.R.C.P. & S. Ed., D.P.H., &c.,

Medical Officer of Health for the Borough.

Medical Superintendent of the Brighouse Joint Hospital.

Fellow of the Incorporated Society of Medical Officers of Health.


Formerly School Medical Officer to the Borough of Brighouse

(Resigned March, 1916).

BRIGHOUSE :

THE PREMIER PRINTING CO. (BRIGHOUSE), LIMITED.

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Borough of Brighouse

Health Committee, 1918-19.

His Worship the Mayor :

Alderman JOHN WOOD

Succeeded in November, 1919, by Alderman D. C. HOLMES, J.P.

Chairman :

Councillor SYKES.

Vice-Chairman :

Councillor JOHN BOTTOMLEY.

Members of Committee :

Alderman	HARDAKER,	Councillor	JENKINSON,*
„	TURNER,	„	LAWSON,
Councillor	ARMITAGE,	„	NAYLOR,
„	FOSTER,	„	WADSWORTH,*
„	HOYLE,	„	WHITELEY.

* In November, Councillors BLACKBURN and H. G. ROBERTS succeeded above-marked.

INTRODUCTION.

GENTLEMEN,

The most important event connected with the Health Department in 1919 was the ignominious dismissal of your Medical Officer of Health from the post of Officer supervising the Maternity and Child Welfare Work, and the most astonishing feature in the proceedings connected with this business was the exhibition of the power wielded by a subordinate official, who had only been here a few months, in being able to call—or, shall I say, to insist on being called—a special meeting of the Health Committee to hear a complaint. The most important branch of the Department, affecting, as it does, the Health of the present and future generations of the community, to be severed from the trunk!!!

However, now that your Committee, AT MY REQUEST, has decided to ask the Ministry of Health to institute a Public Inquiry into the whole question of the working of the Health Department, I will leave the subject with the wish that such inquiry may soon take place.

There is very little of a startling nature to report in the matter of statistics. The Birth Rate is low—there are signs that it may improve during this year. The Death Rate is satisfactory; and the Infantile Mortality Rate may also be considered the same, though the record in this direction still stands for 1916. The Zymotic Disease Rate, on the other hand, establishes a record; and the rates of Deaths from other diseases are fairly equable to any in the past.

The Notifications, with the exception of Pneumonia, have been very few, and no Small Pox has been brought to notice. As I reported to the Joint Hospital Committee recently, if any should occur, arrangements are made at Halifax for admittance.

The usual Tables are appended, together with my Annual Report on the Hospital administration, the Inspector of Nuisances' Report, and that of the School Medical Officer.

Some months ago I drew up, at your suggestions, a scheme for the re-organization of the Health Department. The Veterinary Inspectorship still is vacant, and for the proper working of the Department it is essential that a Health Visitor, fully trained and qualified, should be appointed—one who is prepared and willing to work under the control of the Medical Officer of Health.

I am, Gentlemen,

Yours faithfully,

FRED. W. MARTIN.

BRIGHOUSE.**ITS PHYSICAL FEATURES, GENERAL SURROUNDINGS, &c.**

Situated on the River Calder, in a valley of the same name, surrounded practically by hilly woodland, with easy access to the country in each direction, this town is almost centrally located between Halifax on the West, Bradford on the North, and Huddersfield on the South. Its distance from the first and last-named places being about four miles, and from Bradford about seven miles. It is well served with train service by the L. & Y., G.N. and Midland Railway Companies; and for some years we have been connected also with Halifax by through tram service; and since June, 1913, the tram service between Bailiffe Bridge and Bradford has been linked up, giving to Brighouse people practically direct service to that city.

The general condition of the community is good, there being very little real poverty in the town.

The industries are numerous and comprise:—

- A. Stone Quarrying.
- B. Silk Factories.
- C. Cotton Factories.
- D. Woollen and Worsted Factories.
- E. Iron and Brass Foundries.
- F. Wire Works.
- G. Dye Works.
- H. Flour Mills.

- A.—The ailments principally affecting workers in this trade are Respiratory, including Phthisis.
- B.—Silk Factories. Both Males and Females are employed. Phthisis most prominent disease.
- C.—Cotton Factories. Both Males and Females are employed, and Phthisis again chief ailment.
- D.—Woollen and Worsted. No special complaint is attributed by the workers—both Male and Female—to the routine of their occupation.
- E.—Iron and Brass Foundries. One department of this work—the polishing or buffing, as it is called—is answerable for the causation of Phthisis.

F.—Wire Works. Nothing out of the general run of illness is traceable to these.

G.—Dye Works. The use of chrome and other dyes in many instances has the effect of producing a peculiar eczematous condition of the skin. Rheumatism is also prevalent.

H.—No special illness attributable.

The general housing accommodation is good. There is a sufficiency of open spaces, and with few exceptions the cleanliness of the house surroundings is good.

The supervision over new houses is efficient, and no back-to-back houses have been built for over twenty years. House inspection is systematically carried out.

The water supply is good, being supplied by the Halifax Corporation at a fixed price in perpetuity. As reported previously, it would be materially improved if it were filtered before reaching Brighthouse, as the complaints were very numerous in this respect during the last year.

There was no case of Plumbism reported in this connection.

There are two Slaughterhouses—one being public. Both are well kept and supervised.

Sewerage and drainage of the town nearly completed. Portions still required, though extensions have been made since last report.

Sewage Outfall Works belonging to Brighthouse are situated at Cooper Bridge, about two miles beyond the boundary of this town. Area of land, about 50 acres. Form of treatment: Intermittent land filtration plus chemical precipitation. Is now under control of Borough Surveyor. Present condition not considered satisfactory, and same is being remodelled.

Excreta removal principally by pail system. Conversion of these closets when practicable to water carriage system strongly advocated. Privy middens in existence at end of December, 1919, 329. As this number seems wrong when compared with the returns for 1918, it is only fair to state that the Inspector has enumerated every privy that is connected with a midden—for instance, one old-fashioned midden may have as many as six or eight closets, and so on. The transference of these to the better system still continues to be a slow process, but is now being strenuously pushed on.

Domestic or ash tub refuse is removed by scavengers to the Sanitary Depot and other rubbish tips. For a time tipping within the Borough was discontinued. It has recently been resumed, and I am still of the opinion that the safest way to get rid of all this class of material will be by means of a Refuse Destructor. The paper from the refuse at the Depot is picked out and burnt in a small furnace there, and the ashes riddled and mixed with excreta and sold as manure.

Abatement of Nuisances.—Preliminary notices are first served on those causing, followed if necessary by statutory notices. Most of the nuisances are abated without further action.

Some houses are let in Lodgings, and Bye-laws are required in connection with these.

Public Elementary Schools.—Sanitary condition good. Frequently visited by Medical Officer of Health and School Nurse. Scholars suffering from Ringworm, Pediculosis—Skin affections of all forms if contagious—rigidly excluded from school until cured. Tubs or pail closets are being gradually replaced by W.C.'s.

In cases of Notifiable Infectious Disease, scholars affected isolated (principally in Hospital) and contacts debarred from school on latest regulation, return certificates being signed by Medical Officer of Health. Sanitary condition of two other schools—Grammar School for Boys and Secondary School for Girls—both very good.

Infectious Disease Notification.—Compulsory: Small Pox, Scarlet Fever, Diphtheria and Membranous Croup, Fevers (Typhus, Typhoid and Continuous), Puerperal Fever, Erysipelas, Acute Poliomyelitis and Cerebro Spinal Fever, Ophthalmia Neonatorum, and Pneumonia.

Removal of Patients.—Small Pox cases are to be removed to Halifax Corporation Small Pox Hospital on still existing agreement. Scarlet Fever, Diphtheria and Typhoid Fever cases are treated at the Brighthouse Joint Hospital, just outside the Borough.

Tuberculosis.—Control of much improved by reason of compulsory notification of all forms, together with provision of Tuberculosis Dispensary—attendance weekly—and Sanatoria installed by West Riding County Council. Still room for further improvement and treatment of cases in early stages.

STATISTICAL AND SANITARY MEMORANDA, 1919.

POPULATION OF BOROUGH—1891	20,666
" " " 1901	21,735
" " " 1911	20,845
" Estimated to Middle of 1919	
Registrar-General, for Birth Rate ..	20,908
" " " Death Rate ..	20,071
 INHABITATED HOUSES at end of 1919	 5,414
 ACREAGE OF BOROUGH	 2,224
(Rastrick 1,371, Hove Edge 450, Brighthouse 403.)	
 GEOLOGICAL FORMATION—	
Sandstone Grit, overlying Coal Measures.	
 MEAN ALTITUDE—	
Rastrick	410 feet above Sea level.
Hove Edge	357 " "
Brighthouse	276 " "
 BIRTH RATE per 1,000 of Population	 14.01
 DEATH RATES per 1,000 of Population (Corrected) ..	 14.6
Zymotic Death Rate (Seven principal)	
per 1,000 of Population ..	.049
Influenza	1.39
Cancer	0.99
Tuberculosis—	
Lungs	1.3
Other	0.29
Respiratory	2.9
Infantile Mortality per 1,000 Births	88.6

VITAL STATISTICS FOR ENGLAND AND WALES, 1919. PERCENTAGE OF TOTAL DEATHS.

1919	Birth Rate per 1000 population.	Death Rate All Causes.	Rate Enteric Fever.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria.	Violence	Diarr. and Enteritis under 2 years.	Total Deaths under 1 year. per 1,000 Births.	In Public Institutions.	Certif.	Inquest Cases.	Un-certified Causes of Death
England & Wales ..	18.5	13.8	0.01	0.10	0.03	0.07	0.13	0.47	9.59	89.	23.9	92.5	6.2	1.3
96 Great Towns, including London, 50,000 and over..	19.0	13.8	0.01	0.13	0.04	0.07	0.14	0.45	12.24	93.	29.2	92.3	6.9	0.8
148 Smaller Towns, 20—50,000	18.3	12.6	0.01	0.10	0.03	0.08	0.12	0.39	8.67	90.	16.6	93.6	4.9	1.5
London	18.3	13.4	0.01	0.08	0.03	0.05	0.18	0.47	16.22	85.	44.7	91.2	8.6	0.2
Brighouse	14.01	14.69	0.00	0.00	0.00	0.00	0.00	0.44	3.4	88.	0.00	95.9	3.4	0.7

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH,
1919.

BIRTHS.

Table for past 10 Years :—

Year.	Males.	Females.	Total.
1910 ..	222	181	403
1911 ..	192	175	367
1912 ..	19	168	359
1913 ..	195	178	373
1914 ..	198	183	381
1915 ..	174	171	345
1916 ..	182	163	345
1917 ..	128	67	294
1918 ..	172	132	304
1919 ..	143	150	293
<hr style="width: 20%; margin: auto;"/>			
Average for 10 Years	179.7	166.8	346.5

Quarterly Returns of Births, 1919 :—

First Quarter ..	29	34	63
Second ..	32	30	62
Third ..	30	42	72
Fourth ..	52	44	96
<hr style="width: 20%; margin: auto;"/>			
Total ..	143	150	293

DEATHS.

Table of Deaths for past 10 Years :—

Year.		Males.		Females.		Total.
1910	..	129	..	135	..	26
1911	..	125	..	133	..	258
1912	..	146	..	148	..	294
1913	..	158	..	126	..	284
1914	..	153	..	137	..	290
1915	..	179	..	152	..	331
1916	..	143	..	173	..	316
1917	..	144	..	155	..	299
1918	..	183	..	190	..	373
1919	..	140	..	155	..	295
Average per 10 Years		150.0		150.4		300.4

Quarterly Returns of Deaths, 1919 :—

First Quarter	..	58	..	63	..	121
Second	..	39	..	37	..	76
Third	..	18	..	22	..	40
Fourth	..	25	..	33	..	58
Total	..	140		155		295

INFANTILE DEATH RATE for Twenty-Four Years :—

1896	..	141	per 1,000 Births.	1908	..	104	per 1,000 Births.
1897	..	129	" "	1909	..	97	" "
1898	..	198	" "	1910	..	89	" "
1899	..	128	" "	1911	..	79	" "
1900	..	151	" "	1912	..	81	" "
1901	..	176	" "	1913	..	67	" "
1902	..	125	" "	1914	..	76	" "
1903	..	120	" "	1915	..	104	" "
1904	..	106	" "	1916	..	61	" "
1905	..	111	" "	1917	..	88.4	" "
1906	..	141	" "	1918	..	118	" "
1907	..	99	" "	1919	..	88.6	" "

TABLE OF DEATHS OF CHILDREN AGED 1—5 YEARS.

1896	..	43	1908	..	40
1897	..	39	1909	..	27
1898	..	52	1910	..	27
1899	..	36	1911	..	26
1900	..	55	1912	..	23
1901	..	44	1913	..	21
1902	..	41	1914	..	20
1903	..	39	1915	..	40
1904	..	34	1916	..	18
1905	..	24	1917	..	23
1906	..	31	1918	..	3
1907	..	33	1919	..	15

MORTALITY TABLES.

I. YEARS 0-1.

Bronchitis 7, Pneumonia 3, Premature Birth 5, Atelectasis 3,
 Congenital Malformation 1, Diarrhoea 1, Gastritis 1, Dentition 1
 Marasmus 1, Debility 1, Convulsions 1, Accidental Suffocation 1 26

II. YEARS 1-2.

Pneumonia 3, Influenza 2, Phthisis 1, Bronchitis 1, Rickets 1,
 Inflammation of Brain 1 9

III. YEARS 2-5.

Pneumonia 2, Influenza 1, Tuberculous Meningitis 1, Bronchitis 1,
 Fracture 1 6

IV. YEARS 5-15.

Phthisis 3, Pneumonia 2, Bright's Disease 1, Brain Disease 1,
 Influenza 1, Laryngitis 1, Obstructive Disease 1, Fracture 1,
 Other Diseases 12

V. YEARS 15-25.

Phthisis 2, Other Tuberculous Diseases 1, Heart Disease 1,
 Inflammation of Bowels 1 5

VI. YEARS 25-35.

Influenza 12, Phthisis 3, Heart Disease 3, Tonsillitis 1, Cerebro-Spinal Fever 1, Diabetes 1, Other Diseases 4 25

VII. YEARS 35-45.

Phthisis 9, Other Tuberculous Diseases 1, Influenza 2, Apoplexy 2, Insanity 2, Cancer 1, Heart Disease 1, Pneumonia 1, Other Respiratory Diseases 1, Nephritis 1, Abscess 1, Suicide 1, Child Birth 1 24

VIII. YEARS 45-55.

Phthisis 5, Other Tubercular Diseases 2, Apoplexy 2, Cancer 4, Influenza 4, Heart Diseases 3, Bronchitis 4, Other Respiratory Diseases 1, Kidney Diseases 2, Epilepsy 1, Rheumatism 1, Inflammation of Bowels 3, Suicide 2, Lymphadenoma 1 .. 35

IX. YEARS 55-65.

Heart Diseases 11, Apoplexy 9, Bronchitis 10, Pneumonia 1, Cancer 7, Bright's Disease 5, Influenza 3, Phthisis 1, Other Tubercular Diseases 1, Rheumatism 1, Inflammation of Bowels 2, Middle Ear Disease 1, Spinal Cord 1, Purpura 1, Diabetes 1, Abscess 1, Fracture 1, Suicide 1 58

X. YEARS 65-75.

Bronchitis 10, Heart Diseases 9, Apoplexy 6, Cancer 5, Old Age 3, Rheumatism 3, Influenza 3, Phthisis 2, Bright's Disease 5, Suicide 1, Other Diseases 2 49

XI. YEARS 75 AND OVER.

Old Age 22, Bronchitis 10, Heart Disease 3, Apoplexy 3, Cancer 2, Disease of Blood Vessels 2, Obstructive Disease of Intestine 1, Disease of Spinal Cord 1, Disease of Bladder 1, Other Diseases 1 46

Total 295

UNCERTIFIED DEATHS .. 2

Female, 18, Heart Disease ; Female, 72, Heart Disease.

INQUESTS.

There were 11 during the year, one referring to the death of a child belonging to the Halifax Rural District. The others were as to the deaths of the following :—

- Female, 61, Heart Disease.
- Male, 56, Apoplexy.
- Male, 5, Sudden Death, due to twist of Bowel.
- Female, 6 weeks, Accidental Suffocation.
- Male, 65, Rheumatism of Heart.
- Female, 2, Run over by motor waggon.
- Female, 65, Suicidal Drowning.
- Male, 41, Cut throat, Suicidal.
- Female, 52, Suicidal Gassing.
- Male, 45, Suicidal Hanging.

**ANNUAL SUMMARY OF THE CAUSES OF ALL THE DEATHS OF
BRIGHOUSE RESIDENTS.**

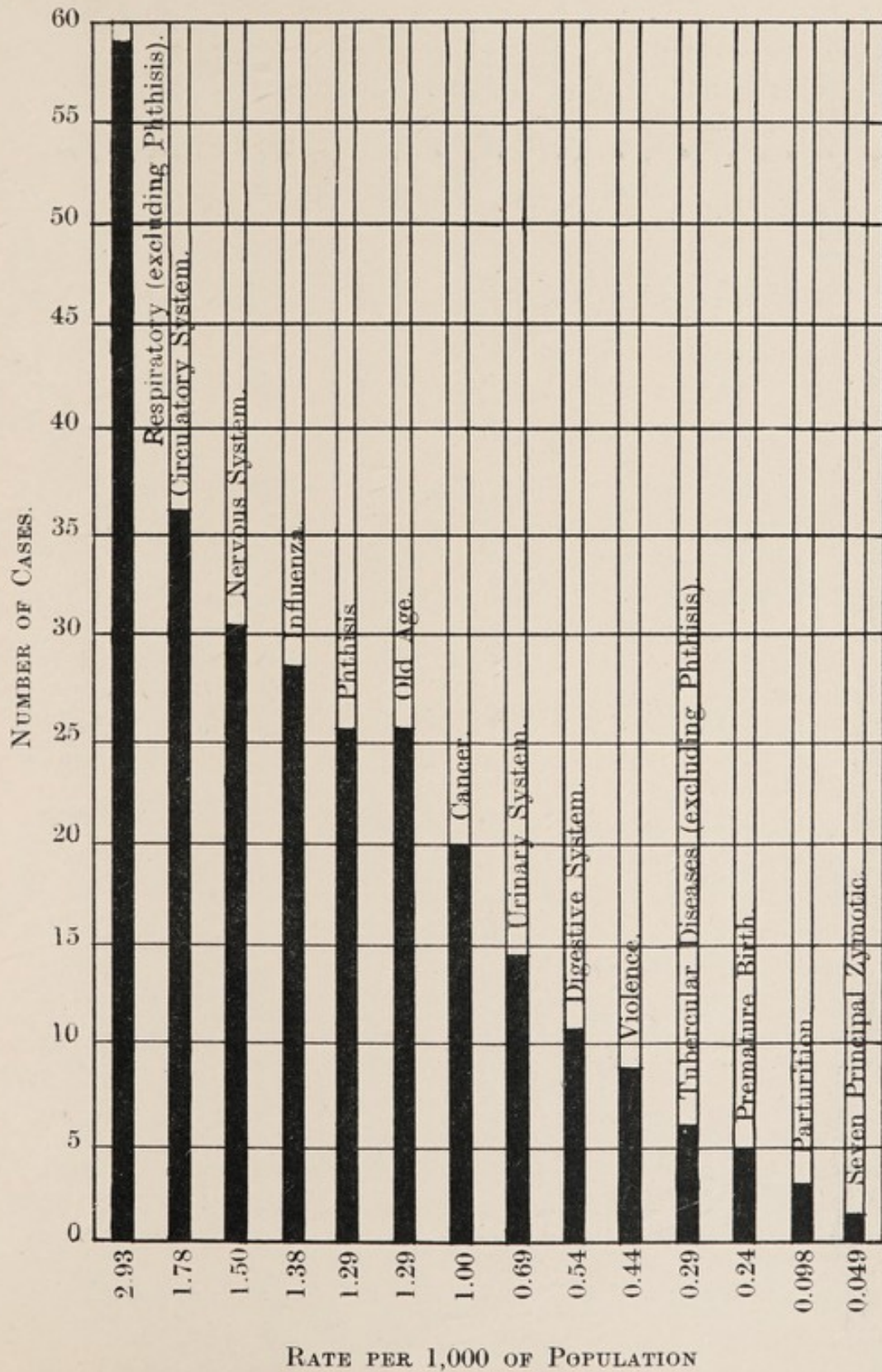
1.—SPECIFIC FEBRILE OR ZYMOTIC DISEASES.		
Influenza 28, Diarrhœa 1, Cerebro-Spinal Fever 1	..	30
2.—PARASITIC DISEASES		0
3.—DIETIC DISEASES		0
4.—CONSTITUTIONAL DISEASES.		
Tuberculosis of Lungs 26, Other Tubercular Diseases 6, Cancer 20, Rheumatism 5, Diabetes 2, Purpura 1, Other Diseases 2	.. .. .	62
5.—DEVELOPMENTAL DISEASES.		
Premature Birth 5, Congenital Malformation 1, Atelec- tasis 3, Old Age 26	.. .. .	35
6.—LOCAL DISEASES.		
(a) NERVOUS SYSTEM.		
Apoplexy 22, Insanity 2, Disease of Spinal Cord 2, Inflammation of Brain 2, Epilepsy 1, Convulsions 1	.. .. .	30
(b) SPECIAL SENSE.		
Middle Ear Disease 1	.. .. .	1
(c) CIRCULATORY SYSTEM.		
Organic Heart Disease 29, Pericarditis 1, Disease of Blood Vessels 6	.. .. .	36

(d) RESPIRATORY SYSTEM.	
Bronchitis 43, Pneumonia 10, Laryngitis 1, Asthma 1, Emphysema 1, Silicosis 2, Other Diseases 1	59
(e) DIGESTIVE SYSTEM.	
Obstruction of Bowels 3, Enteritis 2, Gastritis 2, Dentition 1, Dental Abscess 1, Peritonitis 1, Tonsillitis 1	11
(f) URINARY SYSTEM.	
Bright's Disease 12, Bladder Disease 2	14
(g) REPRODUCTIVE SYSTEM.	
Organs of Generation 1, Accidents of Child Birth 2	3
(h) INTEGUMENTARY SYSTEM.	
Gangrene 1	1
7.—VIOLENCE.	
ACCIDENT—Suffocation 1, Motor Accident 2, Fracture of Skull 1, Drowning 1	5
SUICIDE—Cut Throat 1, Hanging 1, Drowning 1, Gassing 1	4
8.—ILL DEFINED	4
Total	295

MORTALITY IN RELATION TO SEASON.

	Rate per 1,000 of Population.
GENERAL DEATH RATE.	
Highest in March	34.2
Lowest in September	7.2
ZYMOTIC DEATH RATE (Seven principal).	
Highest in February	0.049
Lowest in all other Months	Nil.
RESPIRATORY DEATH RATE.	
Highest in March	10.20
Lowest in July	0.60
PHTHISIS DEATH RATE.	
Highest in May and December	2.40
Lowest in July and August	Nil.
CANCER DEATH RATE.	
Highest in March	3.00
Lowest in September and November	Nil.

CHART SHEWING DEATHS FROM VARIOUS DISEASES
AND GROUPS OF DISEASES IN BRIGHOUSE, 1919



DEATH RATES FROM VARIOUS CAUSES
DURING THE DIFFERENT MONTHS
OF THE YEAR 1919.

Month.	General Death Rate.	Zymotic Death Rate (7 principal).	Respiratory Death Rate.	Phthisis Death Rate.	Cancer Death Rate.	Influenza Death Rate.	Infantile Mortality per1000B'ths
January	18.2	—	3.00	1.80	1.20	2.40	87
February	18.2	0.049	3.00	1.20	0.60	6.00	211
March	34.2	—	10.20	1.20	3.00	6.60	333
April	15.60	—	4.20	1.20	2.40	1.80	91
May	16.20	—	2.40	2.40	0.60	—	210
June	13.80	—	1.80	1.80	1.20	—	120
July	8.40	—	0.60	—	1.20	—	62.5
August	8.40	—	1.80	—	0.60	—	—
Sept.	7.20	—	—	1.20	—	—	43
October	7.80	—	—	0.60	0.60	—	40
November	10.80	—	1.20	1.80	—	—	42
December	16.20	—	4.20	2.40	0.60	—	54
For Year	14.60	0.049	2.90	1.39	0.99	1.39	88.6

NOTIFIABLE INFECTIOUS DISEASES.

PNEUMONIA easily heads the list with a total of 87 cases. This disease was made notifiable as from March 1st, 1919, and fortunately, though nurses were difficult to obtain, I was able to engage the services of one known to the district, who was able to get about and visit the majority of the patients. I also visited the homes of these, and judging by the reports received I concluded that the engagement of this additional assistance was justified. Following and associated with the epidemic of Influenza, which I remarked in my report for the year 1918 terminated in April, 1919, the majority of these cases of Pneumonia were brought to my notice chiefly in March, April and May, whilst the other months only had one or two cases. Only 11 deaths were directly certified as being due to Pneumonia, but as there were 28 deaths attributable to Influenza, it is as well to recognize the total 38 as being intimately associated with Influenza.

TUBERCULOSIS cases numbered 51, 40 of which were of the Lungs, the remainder comprising 3 Gland cases, 2 of the Brain, and 1 each of Chest Wall, Spine, Hand, Bowel, Ear, and Bladder. Fifteen cases were admitted for various periods to different Institutions during the year, but they were not all belonging to the above list.

SCARLET FEVER numbered 39. This disease has not been as much in evidence during the last few years, and no death was attributable to it.

MEASLES (notifiable during 1919) only brought 16 notifications, quite a relief after so large a number in the immediately preceding year, and here again no death was certified under this heading.

DIPHTHERIA was only notified 11 times, and like Scarlet Fever was of a mild character, no death being recorded.

MALARIA, a newly notifiable ailment, owing to the return of soldiers from foreign parts, was reported on nine occasions, and the majority of these were of a very mild character, for usually at the time of my visitation the patient was up and about, and in some cases back at his work, and my visit was generally within a few days of receipt of notification.

ERYSIPELAS, 7 cases. No special comment needed.

ENTERIC FEVER was brought to my notice on three occasions only, and all were removed to Hospital; but one case undoubtedly was associated with General Tuberculosis, and the death certificate under the latter heading was so signed.

Four cases of OPTHALMIA in newly born Infants were reported, and these made good recovery; whilst only one case of PUERPERAL FEVER was reported, which also progressed favourably.

To end the list of Notifiable Infectious Diseases, two very uncommon as far as this district is concerned were one each of INFLAMMATION OF BRAIN AND SPINAL CORD, and of SLEEPING SICKNESS.

The latter especially was of peculiar interest, because the patient, a boy of 7, was ill for many weeks and showed all the clinical signs of the disease without any adventitious aid being necessary to confirm the diagnosis. This boy made a good recovery, and is now at school.

The former case, an adult of 30, was not so fortunate, only living thirty-six hours after removal to the Hospital.

Over 100 special Examinations of material connected with these cases of Infectious Disease were undertaken by the Bacteriologists of the West Riding County Council, and my thanks are herewith tendered to these officials for their assistance in this matter.

NOTIFIABLE INFECTIOUS DISEASES.

DIPHTHERIA (11).

Table of Notifications of this disease now reads :—

1896	1897	1898	1899	1900	1901	1902	1903
5	6	5	11	17	44	20	3
1904	1905	1906	1907	1908	1909	1910	1911
6	10	12	37	24	19	12	9
1912	1913	1914	1915	1916	1917	1918	1919
6	6	24	99	36	15	14	11

SCARLET FEVER (39).

1896	1897	1898	1899	1900	1901	1902	1903
46	66	86	195	95	34	51	48
1904	1905	1906	1907	1908	1909	1910	1911
39	57	68	23	25	124	45	22
1912	1913	1914	1915	1916	1917	1918	1919
56	122	203	60	20	13	22	39

ERYSIPELAS (7).

1896	1897	1898	1899	1900	1901	1902	1903
24	36	33	20	16	14	12	3
1904	1905	1906	1907	1908	1909	1910	1911
5	13	15	7	8	7	6	7
1912	1913	1914	1915	1916	1917	1918	1919
7	7	14	16	5	3	4	7

ENTERIC FEVER (3).

1896	1897	1898	1899	1900	1901	1902	1903
22	21	22	17	16	6	8	3
1904	1905	1906	1907	1908	1909	1910	1911
4	16	9	8	6	7	3	5
1912	1913	1914	1915	1916	1917	1918	1919
1	1	3	2	3	1	0	3

TUBERCULOSIS (51).

1913	1914	1915	1916	1917	1918	1919
73	56	52	32	73	79	51

MEASLES (16).

1916	1917	1918	1919
99	299	432	16

PNEUMONIA (87).

MALARIA (9).

MONTHLY NOTIFICATIONS OF INFECTIOUS DISEASES, 1920.

	Measles.	Scarlet Fever.	Diph'teria.	Enteric Fever.	Ophthalm.		Tuberculosis. Lungs. | Other.	Erysipelas.	Cerebro Spinal Fever.	Encephalitis Lethargica.	Pneumonia.	Malaria.	Totals.
					Puerperal Fever.	Neonatorum.							
January	—	3	1	—	—	—	2	1	—	1	—	—	8
February	—	2	1	—	1	—	1	—	—	—	—	—	5
March ..	—	1	2	—	—	—	4	2	—	—	69	—	78
April ..	—	2	—	—	—	—	3	—	—	—	6	1	13
May ..	1	1	1	—	—	—	8	3	—	—	4	—	18
June ..	—	2	1	—	1	—	1	—	—	—	3	1	9
July ..	1	4	—	—	—	—	1	1	1	—	1	2	11
August ..	1	—	1	—	—	—	1	—	—	—	—	1	5
September	2	1	—	—	—	—	3	1	—	—	—	—	8
October ..	5	7	1	3	2	—	7	1	—	—	1	—	28
November	4	6	3	—	—	—	6	1	—	—	—	4	27
December	2	10	—	—	—	—	3	1	—	—	3	—	20
Totals ..	16	39	11	3	4	—	40	11	1	1	87	9	230

DEATHS FROM CHIEF DISEASES.

INFLUENZA.

As stated in my Report for the year 1918, the epidemic of Influenza wore itself out by the end of April, 1919, by which time—four months of the year under review—there had been 29 deaths out of a total of 85 caused by this disease. In January 4 cases reported, with 3 deaths, in February 9 deaths, March 11, and April 3 deaths, finished the list, without any further trouble throughout the year.

TUBERCULOSIS OF LUNGS

accounted for 26 deaths, in the following age periods :—

YEARS.			WARD.
1—2.	M.	1½	Bonegate.
5—15.	F.	9, F. 13, M. 11.	Calder 2, East 1.
15—25.	F.	19. Worsted Operative.	South.
	M.	24. Bookkeeper.	North.
25—45.	M.	38. Core Maker.	Calder.
	F.	38. Housewife.	Hove Edge.
	F.	38. „	East.
	F.	42. „	Hove Edge.
	M.	39. Labourer.	Bonegate.
	F.	43. Carpet Weaver.	Bonegate.
	F.	31. No Occupation.	North.
	M.	41. Ex-Soldier.	Hove Edge.
	F.	30. Housewife.	Hove Edge.
	M.	36. Labourer.	Central.
	F.	35. Housewife.	East.
45—65.	M.	45. Silk Overlooker.	Central.
	M.	45. Woollen Packer.	Central.
	M.	46. Labourer.	West.
	M.	48. Fishmonger.	Central.
	M.	51. Warehouseman.	North.
	M.	52. Engine Tenter.	West.
	M.	62. Labourer.	West.
65 upwards.	M.	71. Labourer.	East.
	M.	65. Beerseller.	Hove Edge.

Summary—M. 16, F. 10.

Ward Distribution—Hove Edge 5, Central 4, East 4, Bonegate 3, Calder 3, North 3, West 3, South 1.

TUBERCULOSIS OF OTHER FORMS.

YEARS.			WARD.
M.	2.	Brain.	Central.
M.	20.	Hip.	Hove Edge.
M.	29.	Bladder, &c.	South.
F.	42.	General Tubercle.	North.
M.	47.	" "	Hove Edge.
M.	52.	Abdominal.	Bonegate.
M.	56.	" "	Calder.

TABLE OF PHTHISIS DEATHS SINCE 1896.

1896	1897	1898	1899	1900	1901	1902	1903
40	32	41	33	39	43	33	27
1904	1905	1906	1907	1908	1909	1910	1911
43	30	27	25	31	26	24	24
1912	1913	1914	1915	1916	1917	1918	1919
27	39	34	22	27	19	32	26

RESPIRATORY DISEASES—Bronchitis 43, Pneumonia 10, and other allied 5—brought in a total of 58, of which number 20 occurred before the age of 15 years was reached, the larger majority taking place in the more advanced stages over 45 years of age.

ORGANIC HEART DISEASE accounted for 29 deaths, but all forms of affections of the Circulatory System reached the number of 36, of which all excepting three were in the age periods over 45.

CANCER caused 20 deaths, 13 of males, and these deaths were fairly distributed throughout the town, the Wards contributing being: West 5, Bonegate and Calder 4 each, Central 3, South and East 2 each. The earliest age at which such a death was certified being of a woman at 44, and the latest age being that of a man at 79.

TABLE II in Appendix shows number of Notifications of all Notifiable Diseases, &c.

FACTORY AND WORKSHOP ACT, 1901.

There are 216 Workshops registered in the town, but no underground bakehouses are in existence. It is pleasant to be able to report that at last conversion of insanitary conveniences at mills—reported previously—are on a fair way to being carried out.

SCHOOLS

were exceptionally free from any closing on account of the usual ailments affecting scholars, it being only necessary to close St. Chad's Infants' School for a period of four or five days on account of a short outbreak of Chicken Pox. At the times usually selected—holidays—all the schools were disinfected throughout the Borough.

The School Medical Officer's Report for 1919 will be found in the Appendix.

SANITARY ITEMS.

No building of houses took place during 1919, but a scheme is in progress for the building of 150 houses, which number it is estimated will relieve the situation as regards scarcity of houses in Brighthouse.

Lodging Houses (two in the town) have been frequently visited, and no complaint of a serious nature has had to be made against the licensees.

The Slaughter Houses have been well kept, and though for some time there has been little slaughter of cattle, yet the distribution of meat sent into the town has taken place at the Public Slaughter House ; and on a few occasions it has been necessary to condemn certain quantities as unfit for human food.

The shaking and beating of mats and carpets in public thoroughfares still continues to a great extent during the prohibited hours ; this is a custom which should become a relic of the past.

I must repeat my notice against spitting (so common) in public places, and again I would call attention to those who must spit to do so into one of the gullies in the streets.

The Public Libraries have been well kept, as usual.

ANTI-VENEREAL DISEASES CRUSADE.

Following the various meetings and addresses to men in 1918, Dr. Stewart (Lady), of Leeds, delivered a lecture to women at the Oddfellows' Hall on the evening of February 27th, the hall being packed; and on April 30th the same Doctor addressed a meeting specially arranged for young women up to 25 years of age. The attendance here also, I am informed, was satisfactory.

The film, "The End of the Road," should have been shown on December 1st, but this date was changed later for Sunday January 25th, 1920. The Town Hall on this occasion was crowded out.

MATERNITY AND CHILD WELFARE WORK.

From the monthly reports of the Health Visitor and Child Welfare Nurse, I find that throughout the year:—

First Visits to Infants	.. ..	totalled	276
Other .. ..	.. ..	..	1884
Visits to Expectant Mothers	.. ..	..	83
Children brought to Clinic	.. ..	..	1754

A supplemental report received from the same source on May 21st, 1920, gives the following information:—

Births during 1919:—

Notified within 36 hours of birth.			
Live Births, 305.	Still Births, 11	.. ..	316
Notified by Midwives, 14. By Parents or Doctors, 302.			

Attendance at Maternity and Child Welfare Centre:—

Average attendance per session of Expectant Mothers	None.
Of Children	.. .. . 35

There were two confinements in the Maternity Home towards the end of the year, and for the second year a Prize Baby Competition was held, the babies being judged by Dr. Alice Latchmore, of Halifax, and Dr. Weir, of Bradford; and on this occasion Mrs. John Wood (Mayoress) entertained the Mothers, etc., to tea in St. Paul's School-room, the final event being the photographing of the successful children.

APPENDIX I.

INCLUDING VARIOUS TABLES,
Statistical or otherwise.

TABLE I.—Vital Statistics of Whole District during 1919 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.				
		Un corrected Number.	Nett.	Number	Rate.	Non-registered in the District	Residents not registered in the District.	Under 1 Year of Age.		At all Ages.		
								Number.	Rate.		Number.	Rate per 1,000 Nett Births	Number.	Rate.
I	2	3	4	5	6	7	8	9	10	11	12	13
1911	20855	366	367	17.57	226	10.86	4	36	29	79	258	12.35
1912	20900	354	359	17.17	256	12.29	11	49	29	81	294	14.05
1913	20960	372	373	17.79	249	11.88	2	37	25	67	284	13.55
1914	21020	381	381	18.12	240	11.41	1	51	29	76	290	13.8
1915	21100	345	346	17.1	284	13.46	3	50	36	104	331	16.4
1916	B 21486 D 19748	345	345	16.05	263	13.82	1	54	21	61	316	16.06
1917	B 21500 D 19332	295	295	13.68	263	13.60	2	38	26	88.4	299	15.51
1918	B 21697 D 19364	304	304	14.01	316	16.31	3	60	36	118	373	19.26
1919	B 20908 D 20071	293	293	14.01	263	13.10	5	37	26	88	295	14.6

Area of District in acres (land and inland water) 2,224.
 Total population at all ages 20,845
 Number of inhabited houses 5,163
 Average number of persons per house 4.03
 At Census, 1911.

**TABLE III.—Causes of, and Ages at Death during the Year 1919
Brighouse Borough.**

CAUSES OF DEATH.	Nett 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 y'rs	15 and under 25 y'rs	25 and under 45y'rs	45 and under 65 y'rs.	65 and upwards.
All Causes : Certified ..	293	26	9	6	12	4	49	93	94
Uncertified ..	2	..	..	..	..	1	..	..	1
Influenza	28	..	2	1	1	..	14	7	3
Cerebro-Spinal Fever ..	1	..	..	..	..	..	1	..	..
Phthisis (Pulmonary Tuberculosis) ..	26	..	1	..	3	2	12	6	2
Tuberculous Meningitis	1	..	..	1	..	..	..	..	..
Cancer, malignant disease	20	..	..	..	..	..	1	12	7
Other Tuberculous Diseases	5	..	..	..	..	1	1	3	..
Meningitis	2	..	1	..	1	..	..	..	..
Organic Heart Disease ..	29	..	..	..	..	1	4	12	12
Rheumatic Fever	5	..	..	..	..	..	..	2	3
Bronchitis	43	7	1	2	..	..	..	15	18
Pneumonia (all forms) ..	10	3	3	1	2	..	1	..	..
Other diseases of respiratory organs ..	5	..	..	..	1	..	2	2	..
Diarrhoea and Enteritis ..	4	1	..	..	..	1	..	2	..
Appendicitis and Typhlitis	..	..	..	..	..	..	..	..	..
Nephritis & Bright's Disease	12	..	..	..	1	..	1	5	5
Accidents of Pregnancy and Parturition ..	2	..	..	..	..	..	2	..	..
Congenital Debility and Malformation, including Premature Birth ..	11	11	..	..	..	..	..	..	..
Violent Deaths, excluding Suicide	5	1	..	1	1	..	..	2	..
Suicide	4	..	..	..	..	..	1	2	1
Other Defined Diseases ..	80	3	1	..	2	..	8	22	44
Diseases ill-defined or unknown	2	..	..	..	..	..	1	1	..
Totals	295	26	9	6	12	5	49	93	95

TABLE IV.

Infantile Mortality during the year 1919.

Deaths from stated Causes at various ages under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year
All Certified Causes.	7	2	2	1	12	1	5	5	3	26
Uncertified	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—
Whooping-Cough	—	—	—	—	—	—	—	—	—	—
Diphtheria and Croup	—	—	—	—	—	—	—	—	—	—
Tuberculous Meningitis ..	—	—	—	—	—	—	—	—	—	—
Abdominal Tuberculosis (b)	—	—	—	—	—	—	—	—	—	—
Convulsions	—	—	1	—	1	—	—	—	—	1
Bronchitis	—	1	—	1	2	—	2	2	1	7
Pneumonia (all forms) ..	—	—	—	—	—	—	1	1	1	3
Diarrhœa	—	—	—	—	—	—	—	1	—	1
Enteritis	—	—	—	—	—	—	—	—	—	—
Gastritis	—	—	—	—	—	—	1	—	—	1
Dentition	—	—	—	—	—	—	—	1	—	1
Atelectasis	3	—	—	—	3	—	—	—	—	3
Congenital Malformations ..	—	1	—	—	1	—	—	—	—	1
Premature Birth	4	—	—	—	4	—	—	—	1	5
Atrophy, Debility and Marasmus	—	—	1	—	1	—	1	—	—	2
Accidents	—	—	—	—	—	1	—	—	—	1
	7	2	2	1	12	1	5	5	3	26

Births in the year:—legitimate, 282; illegitimate, 11.

Deaths in the year of:—legitimate infants, 25; illegitimate infants, 1.

Annual Report of the Medical Officer of Health for the year 1918, for the Borough of Brighouse, 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 Inspectors or Inspectors of Nuisances			
Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories.. .. . (Including Factory Laundries) . .	12	4	—
Workshops (Including Workshop Laundries) ..	58	7	—
Workplaces (Other than Outworkers' premises included in Part 3 of this Report)	—	—	—
Total	70	11	—

2.—Defects found in Factories, Workshops and Workplaces.				
Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred H.M. Inspector.	
Nuisances under the Public Health Acts :—				
Want of Cleanliness	9	9		
Want of Ventilation	1	1		
Overcrowding				
Want of drainage of floors				
Other Nuisances	11	11		
Sanitary Accommodation—				
Insufficient	24	10		
Unsuitable or defective	2	2		
Not Separate for Sexes				
Offences under the Factory and Workshop Acts :—				
Illegal occupation of underground bakehouse (s. 101)				
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)				
Other offences (Excluding offences relating to outwork which are included in Part 3 of this Report)				
Total	47	33		

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.
Bakehouses 25, Blacksmiths 7, Bootmakers 27, Botanical Brewer 1, Brushmakers 2, Cabinet Makers 5, Cloggers 4, Coach Builders 1, Coopers 5, Currier 1, Dressmakers 30, Jewellers 6, Joiners 7, Knitters 4, Laundry Work 5, Maltsters 2, Mattress Maker 1, Milliners 16, Painters 7, Paper Bag Maker 1, Photographers 3, Plumbers 8, Polishers 5, Saddlers 2, Soap Makers 4, Sweet Packers 1, Tailors 13, Tin Plate Workers 6, Upholsterers 3, Wheelwrights 6, Wire Worker 1, Burler & Mender 1.	
Total number of Workshops on Register	214

TABLE C.—1919.

BRIGHOUSE SANITARY DISTRICT.

WATER SUPPLY.

- Any developments during 1919 ?—No.
 Any action in regard to unsatisfactory quality ?—No.

DRAINAGE AND SEWERAGE.

- Any developments during 1919 ?—New Sewer, Huddersfield Road, from Bethel Street southwards to Canal ; length, 120 yards of 12in. pipes. New Sewer, Lower Edge Road, from Tofts Grove to Highbury ; length, 335 yards, 12in. and 9in. pipes.
 Any inadequacy of Sewage Disposal Works or complaints as to smells ?—No complaints re smells. Difficulty in dealing with sludge disposal.
 Are there any sink wastes still needing disconnection ?—A few.

CLOSET ACCOMMODATION.

- No. of Privies with open middens—24.
 No. of Pail or Tub Closets—2,736.
 No. of Privies with covered middens—301.
 No. of Water Closets—1,968. Waste-water Closets—154.
 No. of Privies re-constructed during 1919—
 (a) as W.C.'s—9. (b) other—None.
 No. of additional Closets provided for old property in 1919—
 (a) W.C.'s—None. (b) other—None.
 No. of Closets constructed in 1919 for new houses—
 (a) W.C.'s—None. (b) other—None.

SCAVENGING.

- Any change during 1919 ?—No.
 How is refuse disposed of ? No. of loads to (a) Destructor—1,170.
 (b) Tips—3,520.
 Total annual cost—£4,755 6s. 8d.

NUISANCE INSPECTIONS.

- Total No. of Inspections made in 1919—2,215.
 Informal Notices served—287. Complied with—256.
 Statutory Notices served—38. Complied with—8.
 Total No. of Nuisances in hand at close of 1918—35.
 At close of 1919—555.
 Total No. of Nuisances reported during 1919—813.
 Abated during 1919—258.
 Total No. of Summonses or other legal proceedings—None.

REGULATED BUILDINGS, TRADES, &c.	No. in District	No. on Register.	Total No. of Inspections made.	General Condition ?	Legal Proceedings (if any).
Common Lodging Houses ..	2	2	102	Satisfactory	None
Canal Boats ..	—	—	13	„	„
Tents, Vans and Sheds	—	—	26	„	„
Offensive Trades	10	10	32	„	„
		4 Tripe Boilers. 4 Soap Boilers. 2 Gut Scrapers.			

Have the Council declared any other processes to be offensive trades, e.g., Fish-frying, Maggot-breeding, &c. ?—No.

MILK SUPPLY.

No. of samples taken by Officers of S.A. for analysis under F. & D. Acts—6. No. Adulterated—None.

No. of Cowkeepers in district—29. No. Registered—29.

No. of Milk Sellers who are also Cowkeepers—23. No. who are Purveyors only—11. Total No. Registered—34.

Total No. of Cowsheds—47. No. of Inspections in 1919—65.
General Condition—Fair.

Approx. No. of Milch Cows in District—300.

Any insufficiency in Milk Supply ?—Yes.

Legal Proceedings under D.C.M. Orders—None.

Milk (Mothers and Children) Order, 1919. Any action ?—Milk supplied (Glaxo) on cheap terms, and in some cases free.

OTHER FOODS.

Sale of Food and Drugs Acts. No. of samples taken in the Borough of Brighouse during the year 1919 by the County Council Inspector—Margarine 1, Coffee 2, Butter 1, Lard 2, Cocoa 1, Olive Oil 2, Glycerine 1, Comp. Tincture of Rhubarb 1, Milk 20, Tartaric Acid 1, Almond Oil 1, Ground Ginger 1, Pepper 2, Rice 1 ; total 37. All of the above samples proved to be genuine

No. of seizures of unsound food—19. Kind and quantity—
Carrots 13,216 lbs., Beef (Imported) 696 lbs., Beef (English) 1,820 lbs., Mussels 224 lbs., Tomatoes 380 lbs., Pressed Beef 6 lbs., 1 Tin of Preserved Pears 1 lb., Butter 112 lbs., Kidneys 36 lbs., Boiled Ham 7 lbs. ; total 16,498 lbs. Eggs 985.

No. of Prosecutions—None.

No. of Slaughterhouses—2. No. Registered—2.
 Kind and Condition—Good.
 Is there a Public Abattoir?—Yes.

FACTORIES AND WORKSHOPS.

No. of Smoke observations taken—24. No. of Cautions—2.

INFECTIOUS AND OTHER DISEASES.

What diseases have been specially prevalent in 1919?—Pneumonia.
 Any diseases specially added to notifiable list?—Pneumonia.
 Any influences threatening the health of the district?—No.

SPECIAL REPORTS AND INVESTIGATIONS.

Midden Privies throughout the Borough.

TUBERCULOSIS.—Procedure after notification :—

- (1) Inspection of patient's home and workshop—Yes.
- (2) Examination for contacts—Yes.
- (3) Disinfection—Yes.
- (4) Distribution of advice leaflets—Yes.
- (5) Action re spitting—Advice.
- (6) Shelters provided—W.R.C.C.
- (7) Is sputum examined?—Yes.

BACTERIOLOGY.

Is County Laboratory utilized?—Yes.

INFANT MORTALITY.

Causes of any excessive Infant Mortality in 1919—None.

VITAL STATISTICS.

Births during 1919—Males 143, Females 150; Total 293.

No. illegitimate included in above—11.

No. of Still Births (not included)—9.

Deaths during 1919—(1) Gross Deaths, i.e., Total actually registered in the District without any correction—263. (2) Nett Deaths on which the rates are calculated—Males 140, Females 155. No. of uncertified deaths (included above)—2.

MORTUARIES.

What Mortuary accommodation—(a) for accidents—Yes.
 (b) for infectious cases other than at Hospital—No.

SANITARY STAFF.

What is the present Annual Salary of the M.O.H. ?—£225, exclusive of War Bonus.

Name of Sanitary Inspector—Richard Allison.

Annual Salary as Inspector—£250.

Other appointments held—Inspector of Housing, Scavenging, Hackney Carriages, Canal Boats.

Salary for such other appointments—Included in salary as Inspector of Nuisances.

Any Assistants ?—1 Cleansing Foreman, 1 Clerk.

SUPPLEMENTARY REMARKS as to Sanitary requirements of District, suggestions of M.O.H., and extended notes from any of the foregoing entries.

Public Lavatories for each sex.

Refuse Destructor.

Disinfecting Station.

Increased conversion of Midden Privies and Pail Closets to Water Carriage System.

TABLE D.

SUMMARY OF HOUSING WORK DURING 1919.

Houses inspected under the Act and regulations in 1919—72.
 Houses found satisfactory on inspection—30.
 Houses found not reasonably fit for human habitation—22.
 Houses found with defects—20.
 Houses in regard to which notices were served to remedy defects—20.
 Houses with minor defects (Public Health Acts)—20.
 Total number of houses in district—5,414.
 Number of working-class houses—5,000.
 Obstructive Buildings.—Any building represented by M.O.H. under
 Sec. 38 (1) of 1890 Act?—None.
 Any building represented by Inhabitant Householders under Sec. 38
 (2) of 1890 Act?—None.
 Unhealthy Areas.—Any representations under Part I or II of the
 1890 Act?—None.
 Reconstruction Schemes.—Have L.A. directed any to be prepared
 under Sec. 39 of 1890 Act?—No.
 Unfit Houses.—Any complaints by Inhabitant Householders under
 Sec. 31 of 1890 Act?—No.
 Any Action by Public Utility Societies?—No.
 Any action under Small Dwellings Acquisition Act, 1899?—No.
 Any scarcity of houses?—Yes.
 No. of cases of overcrowding dealt with during 1919—One.
 Name and Address of Officer designated to make inspections under
 Article II of Housing (Inspection of District) Regulations, 1910—
 R. Allison, Public Offices, Brighthouse.

(Signed)

FRED. W. MARTIN,

Medical Officer of Health.

Tables shewing the Population of Brighouse and Rastrick and the Number of Births and Deaths from 1876 to 1893, also the Births and Death Rates in these Years. Followed by Tables with same detail for the whole of the Borough since incorporation.

A.—BRIGHOUSE.

Years.	Popula- tion.	Births.		England and Wales Birth Rate	Deaths.		England & Wales Death rate.
		Number	Rate per 1000 of Population		Number	Rate per 1000 of Population	
1876	7,290	262	35.9		151	20.7	
1877	7,400	276	37.2	36.1	163	22.0	20.4
1878	7,500	291	35.2	35.9	165	20.0	21.7
1879	9,865	276	30.8	30.5	180	18.5	97.1
1880	8,385	287	34.2	34.6	187	21.4	20.4
1881	7,962	263	33.6	33.9	138	17.2	18.9
1882	8,120	314	38.6	33.7	132	16.9	19.6
1883	6,280	280	33.0	33.2	159	18.3	19.5
1884	8,388	289	34.6	33.5	179	21.4	19.6
1885	8,545	292	34.3	32.5	195	23.3	19.0
1886	8,700	260	29.8	32.4	189	21.2	19.3
1887	7,780	304	34.6	31.4	169	19.2	18.8
1888	8,880	301	33.9	30.6	135	15.6	17.8
1889	9,160	279	30.6	30.5	151	17.8	17.9
1890	9,226	275	29.8	29.7	120	21.2	20.2
1891	10,276	321	31.7	31.4	199	19.2	20.2
1892	10,507	282	26.8	30.5	199	28.9	19.0
1893	10,600	286	26.9	30.8	194	18.2	19.1

B.—RASTRICK.

1876	6,540	281	42.9		146	22.2	
1877	6,695	304	45.4	36.9	153	22.8	20.4
1878	9,000	294	32.6	35.8	179	19.8	21.7
1879	9,060	305	33.6		171	18.8	
1880	9,135	299	32.7	34.6	101	22.0	20.4
1881	8,036	327	40.6	33.9	163	20.2	18.9
1882	8,252	292	35.3	33.7	168	20.3	19.6
1883	8,465	280	33.0	33.2	167	19.7	19.6
1884	8,680	290	33.4	33.5	122	25.5	19.3
1885	8,285	306	34.6	32.5	159	18.0	19.6
1886	8,950	268	29.9	32.4	178	20.7	19.0
1887	9,075	293	33.3	31.4	179	19.7	18.8
1888	9,592	285	30.7	30.6	159	16.6	17.9
1889	9,865	276	30.8	30.5	180	18.5	17.9
1890	9,981	280	28.1	29.7	164	16.4	19.2
1891	9,279	311	33.4	31.4	112	22.9	20.2
1892	9,448	270	28.5	30.5	172	18.2	19.0
1893	9,583	276	28.8	30.8	159	26.5	19.2

C.—BOROUGH.

1834	21,043	571	27.13	29.6	312	14.6	16.6
1895	21,153	573	27.08	30.3	349	16.50	18.7
1896	21,238	547	26.83	29.7	360	17	17.1
1897	21,347	573	26.84	29.7	222	15.08	17.4
1898	21,466	549	25.37	29.4	418	17.6	17.6
1899	21,570	503	23.31	29.3	371	17.1	18.3
1900	21,690	513	23.63	28.9	399	18.39	18.3
1901	21,780	516	23.69	28.5	345	15.84	16.9
1902	21,960	492	22.40	28.6	305	13.88	16.3
1903	21,983	501	22.78	28.4	258	11.73	15.4
1904	22,076	477	21.67	27.9	305	13.81	16.2
1905	22,100	454	20.54	27.2	268	12.11	15.2
1906	22,196	460	20.72	27.0	312	14.5	15.4
1907	22,280	422	18.94	26.3	298	13.37	15
1908	22,365	452	20.21	26.5	320	14.3	14.7
1909	22,455	411	18.30	25.6	283	12.6	14.5
1910	22,520	403	17.89	24.8	264	11.72	13.4
1911	20,843	367	17.57	24.4	258	12.53	14.6
1912	20,900	359	17.7	23.8	294	14.06	13.3
1913	20,960	373	17.79	23.9	284	13.55	13.4
1914	21,020	381	18.12	23.8	290	13.8	14.0
1915	21,100	345	17.1	21.8	331	16.4	15.1
1916	19,748	345	16.06	—	316	16.05	14.0
1917	19,332	295	13.68	17.8	299	15.51	14.4
1918	19,364	304	14.01	17.7	373	19.26	17.6
1919	21 000	293	14.01	18.5	295	14.6	13.8

MONTHLY BIRTHS, 1919.

Month.	Males.	Females.	Total.
January	10	13	23
February	11	8	19
March	8	13	21
April	8	5	13
May	10	14	24
June	14	11	25
July	16	16	32
August	7	10	17
September	7	16	23
October	12	13	25
November	17	17	34
December	23	14	37
Total	143	150	293

MONTHLY DEATHS, 1919.

Month.	Males.	Females.	Total.
January	16	16	32
February	16	16	32
March	26	31	57
April	13	13	26
May	11	16	27
June	15	8	23
July	6	8	14
August	8	6	14
September	4	8	12
October	6	7	13
November	9	9	18
December	10	17	27
Total	140	155	295

Includes all Deaths whether occurring within or without the district.

BRIGHOUSE JOINT HOSPITAL BOARD.

TWENTY-SECOND ANNUAL REPORT OF THE MEDICAL SUPERINTENDENT

FOR THE YEAR ENDED MARCH 31ST, 1920.

TO THE CHAIRMAN AND MEMBERS OF THE BRIGHOUSE JOINT
HOSPITAL BOARD.

GENTLEMEN,

For another year the work of the Hospital has been of an easy character, though the number of admissions was slightly in excess of the three previous years.

No case of Small Pox was notified in any of the joint districts, and I may here state that arrangements made some years ago with Halifax Corporation are still in force. I have recently made special enquiry into this matter, and if we should have any cases to deal with, the accommodation is at our service.

Yours faithfully,

FRED. W. MARTIN.

I.—TABLE OF CASES for Year ended March 31st, 1920.

District.	Scarlet Fever.	Diph- theria.	Enteric Fever.	Other Diseases.	Total.	Deaths.	Recovered	Remaining in Hospital, March 31st, 1920.			
								Scarlet Fever.	Diph- theria.	Enteric Fever.	Total.
Brighthouse ..	38	7	3	1	49	3	43	3	—	—	3
Halifax Rural	8	1	1	—	10	1	9	—	—	—	—
Hipperholme	8	2	—	—	10	—	8	2	—	—	2
Southowram	—	1	1	—	2	1	1	—	—	—	—
Staff	—	—	—	—	—	—	—	—	—	—	—
Totals ..	54	11	5	1	71	5	61	5	—	—	5

II.—TABLE shewing DIVISION OF CASES affecting Adults and Children.

	Brighthouse.		Halifax Rural		Hipperholme.		Southowram.		Staff.	Total.		
	Adults.	Childr'n	Adults.	Childr'n	Adults.	Childr'n	Adults.	Childr'n		Adults.	Childr'n	Total.
Scarlet Fever..	5	33	3	5	3	5	—	—	—	11	43	54
Diphtheria	1	6	—	1	2	—	1	—	—	4	7	11
Enteric Fever..	3	—	1	—	—	—	1	—	—	5	—	5
Other Disease (C.S.F.)	1	—	—	—	—	—	—	—	—	1	—	1
Totals	10	39	4	6	5	5	2	—	—	21	50	71

III.—TABLE shewing NUMBER of NOTIFICATIONS of admissible Infectious Diseases in each district and the number of cases sent to Hospital from each for the year ended March 31st, 1920.

	Notifications.	Sent to Hospital.	Percentage.
Brighthouse	51	49	96
Halifax Rural	11	10	91
Hipperholme	16	10	62·5
Southowram	7	2	28·6

IV.—TABLE shewing total NUMBER of ADMISSIONS and DEATHS since the opening of the Hospital, March 28th, 1898.

	Scarlet Fever.	Diphtheria.	Enteric Fever.	Other Diseases	Total.
Admissions	1815	394	177	11	2397
Deaths ..	59	51	33	4	147 or 6·13%

V.--TABLE shewing NUMBER of CASES of the VARIOUS CLASSES admitted since the opening of the Hospital.

Year ending	Scarlet Fever.	Diph- theria.	Enteric Fever.	Other Diseases.	Total.
March 31st, 1899 ...	115	2	23	—	140
„ 1900 ..	171	3	18	—	192
„ 1901 ...	92	9	12	—	113
„ 1902 ...	48	44	12	—	104
„ 1903 ...	75	17	14	3	109
„ 1904 ...	41	4	4	—	49
„ 1905 ...	70	9	14	—	93
„ 1906 ...	96	15	16	—	127
„ 1907 ...	70	13	11	—	94
„ 1908 ...	38	20	7	—	65
„ 1909 ...	39	12	9	1	61
„ 1910 ..	171	19	6	—	196
„ 1911 ...	107	11	7	—	125
„ 1912 ...	27	11	2	1	41
„ 1913 ...	63	3	2	1	69
„ 1914 ...	192	15	2	2	211
„ 1915 ...	234	30	4	—	268
„ 1916 ...	44	100	2	1	147
„ 1917 ...	16	15	3	1	35
„ 1918 ...	19	11	3	—	33
„ 1919 ...	33	20	1	—	54
„ 1920 ..	54	11	5	1	71
Totals ...	1815	394	177	11	2397

**A TABULATED SUMMARY OF THE WORK OF THE INSPECTOR
OF NUISANCES FOR THE YEAR ENDED 31st DECEMBER, 1919.**

COMPLAINTS RESPECTING THE FOLLOWING MATTERS
WERE REGISTERED AT THE OFFICE DURING THE
YEAR AND RECEIVED ATTENTION.

NUISANCES.	No.
Offensive Accumulations of Manure	3
Choked Drains	14
Dirty Houses	2
Pig Keeping	2
Animals	1
Ashpits	311
Pail Closets.. .. .	22
Stagnant Water	1
Insufficient Closet Accommodation	1
Miscellaneous	19
Total	376

REMOVAL OF NUISANCES, 1919.

	Total No. Found.	Total No. Abated.
Drains requiring reconstruction	39	33
" " connecting with main sewer	32	28
" not efficiently trapped.. ..	18	13
" requiring ventilation shafts	3	3
Defective Sink Waste Pipes	14	6
" Yard Drains.. ..	57	48
" Cellar Drains	4	4
" Eave and Fall Pipes	4	4
" Roofing	3	0
" Floors	1	1
" Urinals	1	0
" Baths	1	1
" Water Closets	42	38
Sink Pipes requiring disconnecting	11	6
To provide Sinkstones to Houses	1	1
Fall Pipes requiring disconnecting	13	10
To provide Eave and Fall Pipes	1	1
Nuisances from Cesspools	4	4
" " Street Gullies.. ..	27	25
" " Stagnant Water	1	0
" " Smoke	3	2
" " Animals	1	1
Offensive Accumulations	8	8
" Ashpits	5	3
" Privies	240	5
" Pail Closets	20	1
Closets requiring limewashing	7	7
Ashpits and Closets requiring re-construction	240	5
Insufficient Closet Accommodation	2	2
Number of Ashpits abolished.. ..	2	0
" " Ashbins provided.. ..	1	—
Houses overcrowded	1	0
" requiring cleansing	2	2
" damp	2	2
Workshops requiring cleansing	2	2
Total	813	258
No. of Statutory Notices served .. ..	..	38

INSPECTOR OF NUISANCES' ANNUAL REPORT, 1919.

	Month ending Jan. 31.	Month ending Feb. 28.	Month ending Mar. 31.	Month ending April 30.	Month ending May 31.	Month ending June 30.	Month ending July 31.	Month ending Aug. 31.	Month ending Sep. 30.	Month ending Oct. 31.	Month ending Nov. 30.	Month ending Dec. 31.	Total.
Complaints investigated	7	5	9	10	4	5	6	38	22	27	21	41	195
Common Lodging Houses	6	6	11	10	10	11	5	5	8	8	10	12	102
Cowsheds, Dairies and Milkshops ..	9	4	8	4	14	4	14	—	—	—	4	4	65
Canal Boats	—	—	—	—	—	—	—	—	4	—	2	7	13
Dwelling Houses—Housing Survey	—	—	—	—	—	—	—	20	13	—	16	23	72
Public Health Acts	1	1	—	4	2	2	4	4	17	12	19	26	92
Visited	5	9	5	6	10	11	16	22	114	198	45	17	458
Infected Disease	8	6	4	4	6	9	4	2	4	14	11	12	84
Disinfected	8	6	4	4	6	9	8	1	3	14	11	11	85
Drains Tested	4	—	6	3	11	5	8	21	12	2	14	10	96
Factories and Workshops	3	4	6	3	10	7	13	5	7	1	7	4	70
Markets, Meat, Fish, Provision and Fruiters' Shops	30	9	10	4	4	10	15	32	30	40	40	40	264
Owners and Owners' Agents inter- viewed	3	5	4	6	6	4	8	14	28	11	19	16	124
Re-visits to Property under notice	2	3	9	7	7	3	12	53	126	10	32	24	288
Schools inspected	2	—	2	3	2	2	—	1	—	—	—	15	27
Schools disinfected	—	—	—	—	—	—	—	13	—	—	—	15	28
Slaughterhouses	6	4	4	10	11	6	4	9	10	12	12	16	104
Samples for Analysis—Milk	—	—	—	—	—	—	—	—	—	—	—	3	3
Smoke observations	—	1	1	—	—	—	—	—	9	2	4	7	24
Van Dwellings	2	4	1	2	6	—	—	7	4	—	—	—	26
Visits to Work in progress	7	—	6	4	6	3	10	5	12	6	17	19	95
Total	103	67	90	84	115	91	127	252	423	357	284	322	2215
Privies converted to Water Carriage	—	—	—	—	—	—	1	—	3	—	4	1	9

**The following is the Amount of Food seized and afterwards
condemned as unfit for human consumption.**

Carrots	13,216 lbs.
Beef (Imported).. .. .	696 "
Beef (English)	1820 "
Mussels	224 "
Tomatoes.. .. .	380 "
Pressed Beef	6 "
1 Tin of Preserved Pears	1 "
Butter	112 "
Eggs	985
Kidneys	36 lbs.
Boiled Ham	7 "
Total	16,498 lbs. and 985 Eggs.

SCAVENGING, 1919.

COLLECTION.

Month.	Dust Bins.	Ashpits (Dry).	Privy Middens.	Recep- tacles.	Total.
January ..	3828	261	16	12,327	16,432
February ..	3866	244	24	10,773	14,907
March ..	3805	270	26	11,340	15,441
April.. ..	4016	259	41	11,613	15,929
May ..	3958	415	51	11,949	16,373
June ..	3430	380	50	11,067	14,927
July	4041	495	55	12,096	16,687
August ..	2995	351	27	9,576	12,949
September ..	3955	523	54	11,340	15,872
October ..	4795	446	67	12,012	17,320
November ..	4116	374	46	10,920	15,456
December ..	4449	535	21	12,138	17,143
Total ..	47,254	4553	478	137,151	189,736

SCAVENGING, 1919.

DISPOSAL.

Month.	Vans.	Depot. Carts.	Halifax Road. Carts.	Mar- shall's. Carts.	Hipper- holme. Carts.	Wood- house. Carts.	Elland Edge. Carts.	Other Vans.	Carts.	Total.
January ..	443	116	108	97	10	1	9	144	12	940
February ..	395	96	99	81	12	—	12	118	10	823
March ..	424	103	73	118	27	—	4	116	20	885
April ..	425	93	101	85	22	—	2	128	28	884
May ..	430	96	188	174	30	—	10	139	60	1127
June ..	406	76	155	92	29	—	—	121	140	1019
July ..	450	88	122	128	26	—	15	126	121	1076
August ..	395	72	89	—	17	—	—	97	80	714
September ..	395	108	—	89	40	—	9	145	139	925
October ..	340	112	24	101	78	—	8	232	85	980
November ..	323	97	33	75	51	—	2	97	42	720
December ..	373	113	48	81	46	—	3	205	159	1028
Total ..	4763	1170	1040	1121	388	1	74	1668	896	11121

SCAVENGING, 1919 (COLLECTION).**INCOME, 1919.**

	£	s.	d.
To Manure	38	8	6
„ Breeze	49	0	9
„ Glass	13	15	0
„ Old Tins	14	1	11
„ Removing Refuse	12	10	6
„ Fish Offal	2	16	8
„ Cartage	2	0	6
„ Wall Repair	0	14	10
„ Flushing Drains	2	15	0
„ Dust Bins	7	18	6
„ Waste Paper	2	12	3
„ Rags	3	19	0
„ Scrap Iron	1	13	5
„ Disinfectants	3	19	9
Total	£156	6	7

EXPENDITURE, 1919.

	Disposal at Depot.	Nightsoil.	Collection of Domestic Refuse.	Total.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
By Team Labour	50 8 8	1398 15 3	1336 2 0	2785 5 11
„ Manual „	570 10 3	719 13 0	679 17 6	1970 0 9
	620 18 11	2118 8 3	2015 19 6	4755 6 8

SLAUGHTERHOUSE, 1919.

INCOME.	EXPENDITURE.
Slaughterhouse Charges.	Wages.
£151 18s. 5d.	£146 5s. 1d.

**TABULATION SHOWING NUMBER OF PRIVIES AND PAIL
CLOSETS IN THE BOROUGH.**

	Privies.	Pails.
A. Number of midden privies where " a sewer and water supply are reasonably available "	291	
B. Number of pail closets where " a sewer and water supply are reasonably available "		2716
C. Number of midden privies where " a sewer and water supply are NOT reasonably available "	34	
D. Number of pail closets where " a sewer and water supply are NOT reasonably available "		20
Total number of midden privies and pail closets	325	2736
Total number of closets other than W.C.'s in the Borough		3065

**RETURN SHOWING THE DISTRIBUTION IN THE VARIOUS
WARDS OF THE BOROUGH.**

	Privies.	Pails.
Hove Edge Ward	62	103
North	13	360
Calder	8	494
Bonegate	42	622
Central	21	391
East	52	264
West	53	322
South	74	180
Total	325	2736

FACTORY AND WORKSHOPS ACT, 1901.

Visits, 70. Notification of Defects from H.M. Factory Inspector, 4.

DEFECTS FOUND.					Found. Remedied.	
Insufficient Closet Accommodation	..	..	..	..	24	10
Defective Drains to W.C.'s	..	..	..	..	7	7
Workshops requiring Limewashing	..	..	..	..	4	4
Sanitary Conveniences requiring Limewashing	..	..	..	..	5	5
" " without proper doors and						
fastenings	..	..	..	..	1	1
" " requiring ventilation	..	..	..	..	1	1
" " defective	..	..	..	..	1	1
Offensive Accumulations	..	..	..	..	2	2
Black Smoke	..	..	..	..	2	2
					—	—
Total	..	..	..	..	47	33

**LIST OF ADDITIONAL WORKSHOPS ESTABLISHED DURING
THE YEAR.**

Boot Repairer	..	..	..	..	..	..	1
Sheet Metal Worker	..	..	..	..	..	..	1
Plumber	..	..	..	..	..	..	1
Bespoke Tailor	..	..	..	..	..	..	1
Burling and Mending	..	..	..	..	..	..	1
							—
							5

CLASSIFIED LIST OF WORKSHOPS.

Bakehouses	25	Milliners	16
Blacksmiths	7	Painters	7
Bootmakers	27	Paper Bag Maker ..	1
Botanical Brewer ..	1	Photographers	3
Brushmakers	2	Plumbers	8
Cabinet Makers	5	Polishers	5
Cloggers	4	Saddlers	2
Coach Builder	1	Soap Makers	4
Coopers	5	Sweet Packer	1
Leather Currier	1	Tailors	13
Dressmakers	30	Tin Plate Workers ..	6
Gut Scrapers	2	Tripe Boilers	4
Jewellers	6	Upholsterers	3
Joiners	7	Wheelwrights	6
Knitters	4	Wireworker	1
Laundries	5	Burler and Mender ..	1
Maltsters	2		
Mattress Maker	1	Total	216

DAIRIES AND COWSHEDS.

No. of Registered Cowkeepers	29
No. of Cowsheds	47
No. of Milch Cows	318
No. of Farmers residing outside who purvey Milk within the Borough	20
No. of Farmers residing inside who purvey Milk within the Borough	23
No. of Farmers who do not purvey Milk	5
No. of Milk Purveyors who are not Dairy Farmers	11
Total No. on Register of Cowkeepers, Dairymen and Purveyors of Milk	60
Total No. of Visits, 1919	65

