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Contributors

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.. DROYLSDEN .. URBAN DISTRICT COUNCIL.



ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

1913.

ASHTON-UNDER-LYNE:

GRIFFIN AND SHEARD, PRINTERS, 130 STAMFORD STREET.

URBAN DISTRICT OF DROYLSDEN.

Area—1144 acres.
POPULATION—At Census 1901 11,097
At Census 1911 13,259
Estimated at middle of 1913 13,700
Number of Inhabited Houses -
At Census 1901 2,447
Average No. of persons per house. 4.53
At Census 1911 2.992
Average No. of persons per house. 4.43
At end of 1913 3.149
Average No. of persons per house. 4:40
BIRTH RATE FOR 1913 22.26
DEATH RATE FOR 1913 13.5

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH FOR 1913.

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

GENTLEMEN,

I beg to submit to you my Annual Report as to the health and sanitary condition of the district for the year 1913.

BIRTH RATE.

During the year the births of 305 persons (172 males and 133 females) were registered. Of these births three males and four females were illegitimate. One legitimate female and two illegitimate female births were transferred to the district.

The birth rate for the year is 22.26 per 1,000, which is the lowest on record for the district.

DEATH RATE.

During the year the deaths of 145 persons were registered in the district, and the deaths of 41 residents registered elsewhere were transferred here. This total of 186 deaths (85 males and 101 females), gives a death rate of 135 per 1,000, of the population, which is the lowest on record.

Of the deaths 36 or 19.3 per cent. were children under one year of age; from one year and under two years of age there were 10 deaths or 5.3 per cent.; from two years and under five years of age there were 8 deaths or 4.3 per cent.; from five years and under fifteen years of age there were 6 deaths or 3.2 per cent.; from fifteen years and under twentyfive years of age there were 4 deaths or 2.1 per cent.; from twenty-five years and under forty-five years of age there were 25 deaths or 13.4 per cent.; from forty-five years and under sixty-five years of age there were 48 deaths or 25.8 per cent.; and from sixty-five years and upwards there were 49 deaths or 26.3 per cent. Eleven males and thirteen females died between the ages of seventy years and eighty years, and six males and seven females died between the ages of eighty and ninety years. One female died at the advanced age of ninety-one years.

The deaths under one year were thirty-six, and these measured in proportion to the recorded births, give a rate per 1,000 of 118, which, although slightly higher than last year, is well below the average.

Diseases of the respiratory organs, such as bronchitis and pneumonia, caused twenty-nine deaths or 15.5 per cent. of the total deaths, as compared with 15.4 per cent. in 1912.

All tubercular diseases caused thirteen deaths or 6.9 per cent. of the total deaths, as compared with 9.4 per cent. in 1912, and 12.3 per cent. in 1911. Nine of these deaths were from phthisis, as compared with thirteen deaths in 1912 and twenty-three in 1911.

Diseases of the zymotic or infectious class caused six deaths:—measles 3, and whooping-cough 3. This gives a zymotic death rate of 4 per 1,000.

The following table will show the number of deaths from the chief zymotic diseases during the last ten years:—

	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
Smallpox	0	2	0	0	0	0	0	0	0	0
Measles	9	7	13	5	8	7	11	7	9	3
Scarlet Fever	0	0	8	4	0	5	1	0	0	0
Whooping Cough	6	1	1	3	7	0	13	2	9	3
Diphtheria	0	4	3	3	1	4	5	4	1	0
Enteric Fever	1	0	2	2	1	4	2	2	2	0
	_	_	-	-	-	-	-	-	-	
Totals	16	14	27	17	17	20	32	15	21	6

Compared with previous years the latest figures are most satisfactory, being easily the lowest, and would seem to show a greater care is being exercised in the nursing of such diseases as measles and whooping-cough.

INFECTIOUS DISEASES.

During the year, under the Infectious Diseases (Notification) Acts, 152 cases of infectious disease were notified.

In consequence of the General Order of the Local Government Board, making all cases of tuberculosis compulsorily notifiable from February 1st, 1913, it is not possible to compare this figure with that of previous years.

The cases notified were as follows:—Diphtheria 9, erysipelas 8, scarlet fever 45, enteric fever 8, puerperal fever 2, poliomyelitis 1, pulmonary tuberculosis 55, other forms of tuberculosis 24.

The following table shows the number of cases of infectious disease notified during the last ten years:—

	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
Smallpox	3	19								
Diphtheria	4	14	19	14	7	18	18	15	15	9
Erysipelas	11	2.	8	6	8	15	12	10	9	8
Scarlet Fever	47	43	143	63	47	188	88	31	32	45
Enteric Fever	7	9	11	8	10	25	19	11	7	8
Puerperal Fever			2	1	1	2	3	2	3	2
Poliomyelitis	Not	not	ifiab	le u	ntil	1913				1
Pulmonary Tuberculosis	,,	,,	,,	23	,,	1911		23	52	55
Other forms of Tuberculosis	,,	,,	,,	,,	,,	1913				24
Totals	72	87	183	92	73	248	140	92	118	152

On the receipt of notifications of infectious diseases, enquiries were instituted as soon as possible as to the causes of infection and the premises examined to ascertain if insanitary conditions existed, and such, where found, were caused to be immediately remedied. Complete isolation of the patients from non-infected members of the household was insisted upon, and when the patients were sufficiently recovered, the houses and infected articles therein were thoroughly disinfected by means of formaldehyde vapour and Izal fluid. During the year 82 houses were disinfected by the Council the efficacy of which was proved by the entire

absence of repeat cases of disease in such houses. Disinfecting powder and fluid were supplied free during the continuance of infectious cases.

Owing to insufficient means of isolation at home, nine cases of Scarlet Fever and one case of Diphtheria were removed to the Hyde Hospital for Infectious Diseases, where six beds are retained (one for Smallpox and five for other diseases) at an annual retaining fee of £66. As many beds as required, in addition to the above, are available up to the limit of accommodation for the Hospital. The cost of maintenance of these patients amounted to the additional sum of £90.

Proceedings were instituted against a person for the recovery of the sum of £8 5s. od., being the cost of maintaining such person in the Infectious Diseases Hospital while suffering from Typhoid Fever. Judgment was entered in favour of the Council for the amount claimed, with costs, such sum to be paid within six months.

A Steam Disinfector (Alliott's patent) is in use at the Destructor Works, and during the year a suitable four-wheeled van was purchased, for the conveyance of infected articles to and from the Disinfecting Station. This latter is in addition to a small hand-van obtained in the previous year.

88 notifications of Tuberculosis were received respecting 79 patients. Particular attention was given to patients suffering from Pulmonary Tuberculosis, and the whole of these cases were carefully investigated, and printed advice and instructions, disinfectants, sputum bottles. paper handkerchieves, etc., left with each patient where necessary. Twenty-five houses were disinfected by the Council in connection with the prevention of Tuberculosis. Arrangements have been made by the Inspector of Nuisances for him to be notified by the Sub-District Registrar of deaths from Tuberculosis (all forms) immediately after registration. This system greatly facilitates the early disinfection of the infected premises.

At different times Scarlet Fever and Chicken-pox became unusually prevalent, but it has not been found necessary to close any schools on account of infectious disease. The whole of the schools in the District were disinfected whilst closed during the four principal holidays of the year, and at other times as considered desirable. A big epidemic of Scarlet Fever in Manchester spread into this District in the beginning of September. At no time has it assumed unusual proportions, and the figures compare, not unfavourably, with previous years.

Under the Diphtheria Anti-Toxin Order, 1910, 42,000 units of Diphtheria Anti-Toxin were administered by Medical Practitioners to seven patients resident in the District suffering from Diphtheria.

A male child, age two years, was notified as suffering from Poliomyelitis. Upon investigation it was found that the mother suspected that both this child and its twin brother were backward in walking, and rubbed both their legs with some liniment, with the result that both children became more debilitated than before, the massage was discontinued and the children completely recovered. Under the circumstances it was not thought necessary to proceed further with the case.

The question of adopting the provision of the Notification of Births Act, 1907, was sympathetically considered by the Council, but the time was not deemed opportune to proceed further in the matter. I shall be glad if the Council will take an early opportunity of further discussing this desirable measure.

PUBLIC HEALTH ACTS AMENDMENT ACT, 1907.

During the year the adoption of this Act was carefully considered by the Council, and with the consent of the Local Government Board the following portions of the Act will shortly come into operation, viz.:—

Part II. Sections 15, 16, 17, 19, 20, 21, 22, 23, 24 25 27, 28, 29, 30, 32 and 33.

Part III. Sections 34, 35, 36, 37, 38, 43, 44, 45, 46, 47, 48, 49, 50 and 51.

Part IV.

Part VI.

And Section 95 comprised in Part X.

The number of Bacteriological Examinations made during the year by the Manchester Public Health Laboratory for this District were as follows:—one swab for suspected Diphtheria, one specimen of blood for suspected Typhoid Fever, and one specimen of sputum suspected to be Tubercular. In each case the result was declared to be negative.

I would urge that the Council should pay for the examination by the Manchester Public Health Laboratory of the morbid products, namely, swabs taken from throats suspected to be Diphtheritic, blood taken from people suspected to be suffering from Typhoid Fever, and sputum collected from people suspected to be suffering from Phthisis, collected by Medical Practitioners from patients resident in Droylsden.

The danger of the dissemination of various kinds of disease through the medium of the common house-fly was torcibly brought to the notice of householders during the year. Some 3,000 cartoons containing pictorial representations of the habits &c., of the house-fly and other literature were distributed from house to house throughout the District.

HORSE AMBULANCE.

During the year the Council came into possession of a Horse Ambulance presented to them by public subscription. Regulations have been framed to govern the use of the vehicle, which is now in considerable demand and of great public service.

HOUSING.

Geologically the District is situate upon clay, overlying shales and coal. Houses are built principally along the three main thoroughfares of the District, and most of the land in the rest of Droylsden is unbuilt upon. During the year 1913 there were 23 new houses erected, and 5 houses demolished, leaving 3149 habitable houses in the District, of which

rowere found to be untenanted at the end of the year. The erection of a Garden Village Estate has been commenced at the Southerly end of the District, and when completed will form a desirable acquisition to the township. The Estate extends to some twenty-two acres, and upwards of 250 houses will be built, of various size, to suit the needs of different families Twenty-one of the houses will shortly be ready for tenants. The housing accommodation appears to be adequate for the present requirements of the District. With the exception of three houses, which are supplied with good well or spring water, the whole of the houses are connected to the water service of the Manchester Corporation and a constant supply of excellent water is maintained.

Under the Housing. Town Planning, &c. Act, 1909, and the Housing (Inspection of District) Regulations, 1910, special attention was again devoted to the more defective houses in the District. Requisitions to make good defects where necessary were made, and in all cases the requirements of the Council were, or are being, complied with by the Owners.

The following tables give synopsis of the action taken and the general character of the defects found to exist:—

ACTION TAKEN IN 1913.

No of	Dwelling-houses inspected under Sec. 17 of the Act of 1909	263
,,	Dwelling-houses considered unfit for human habitation	1
,,	Representations to Authority with a view to making Closing Orders	1
,,	Closing Orders made	1
,,	Dwelling-houses in which defects were remedied without making Closing Orders.	55
,,	Dwelling-houses demolished	5

GENERAL CHARACTER OF DEFECTS FOUND TO EXIST.

General dilapidations including defective floors, walls, roofs, fittings &c	30
Dampness	16
Uncleanliness	7
Defective roofs	5
Windows not made to open	3
Defective gullies in cellars	3
Defective waste pipes from baths	2
Defective slop-waste pipes	2
Plaster off walls	1
Defective flagging	1
No Defects	193
Total number of houses inspected	263

One case of overcrowding was found, and remedied.

SANITARY ACCOMMODATION AND NUISANCES.

I am pleased to report that there are now in existence 2,924 water closets and only 673 privies. During the year, 281 privies and five pails were abolished and replaced by 327 new water closets. During the conversions, all defective drains, gullies, waste pipes, downfall pipes, and paving of backyards were caused to be made good, and for this purpose, 42 Statutory Notices were served. In each case the drainage work was subjected to the water test, and frequent inspections were made by the Inspector of Nuisances as the work proceeded.

The abolition of privy middens is still receiving earnest attention and considerable progress is being made towards the conversion of the whole of these to the water carriage system. Before this is accomplished many old sewers, at present inadequate or unsuitable for water closets, must be replaced by new combined drains. A list of the premises where these are required has been prepared, and I recommend that the necessary steps be taken to enable this work to be proceeded with at the earliest possible moment.

The number of privies converted into water closets were:

In	1909	54
	1910	117
	1911	419
	1912	402
	1913	281

The following table shows the work effected during the year: -

ALTERATIONS TO SANITARY CONVENIENCES.

How Effected.	Privies abolished.	Ashpits & Middens abolished.	Pails abolished.	New W.C's provided.	New Ash Tins Provided.
Converted after service of notices under Public Health Act, 1875	240	160	1	249	261
Do. Factory and Work- shops Act, 1901	3			3	
Do. Housing, Town Planning, etc., Act,					
1909	11	- 6		17	23
Converted Voluntarily by Owners	25	15	4	35	25
New Premises				23	23
Premises Demolished	2	2			
Totals	281	183	ŏ	327	332

The following table shows the number of sanitary conveniences in the District at the end of the year, as compared with the previous years: -

Date.	W.C's.	Tipplers.	Pails,	Privies.	Ashboxes and Tins.	Ashpits and Middens.
At Dec. 31st, 1910	1603	41	-22	1761	920	1168
At Dec. 31st, 1911	2109	37	45	1356	1336	911
At Dec. 81st, 1912	2597	37	45	954	1847	692
At Dec. 31st, 1913	2924	37	40	673	2179	509
Increase during 1913	327		rei-	T.	332	
Decrease during 1913.			5	281		183

SANITARY CONVENIENCES IN THE RESPECTIVE WARDS, DECEMBER 31st, 1913.

	W.C's.			rivies.	2777	and Tips.	M	hpits and iddens.
NORTH WARD.	No.	No.	No,	No.		No.		No.
Houses		 12	 1	 177		364	1	89
Schools, Religious Institutions, &c Factories, Work-		 0	 0	 15		2		3
shops, &c	104	 2	 12	 14		0		0
Total North Ward	588	 14	 13	 206		366	1	42
SOUTH WARD.								
Houses		 8	 4	 123		593		94
Schools, Religious In- stitutions, &c Factories, Work	57	 0	 0	 8		9		1
shops, &c		 0	 6	 17		0		0
Total South Ward	817	 8	 10	 143		602		95

Ashhoves Ashnite

	W.C's	Т	lippler No.		Pails No.		Privies		and Tins No.	shpits and iddens No.	
EAST WARD.											
Houses	620		15		2		253		532	 194	
Schools, Religious In- stitutions, &c			0		0		13		5	 2	
Factories, Workshops, &c	9		0		1		2		0	 0	
Total East Ward	686		15		3	,	263		587	 196	-
WEST WARD.											
Houses	803		0		6		55		673	 76	
Schools, Religious Institutions, &c	5		0		0		0		0	 0	
Factories, Workshops, &c	25		0		8		1		1	 0	
Total West Ward	833		0	•••	14		56		674	 76	
Total for whole District	2924		37		40		673	2	2179	 509	

Approximately, 1443 nuisances were caused to be abated, and for this purpose it was found necessary to send out 74 Informal Notices and 44 Statutory Notices. The owners of property affected by these notices displayed great willingness in complying with the requirements of the Council, and for the third year in succession no magisterial proceedings were necessary.

The following is a list of the principal Nuisances remedied during the year, as distinguished from the improvements carried out under the Housing, Town Planning, &c. Act, 1909:—

CLASSIFIED LIST OF NUISANCES REMEDIED 1913.

DESCRIPTIONS OF NUISANCES.	No.
Privies converted to W.C's	281
Pails converted to W.C's	5
Ashpits and middens converted to Ashtins	183
Defective drains	248
Do. gullies	205
Do. slop-waste pipes	132
Do. rain-water pipes	51
Do. yard surfaces	200
Do. yard walls	82
Do. W.C's	11
Do. ashbins	13
Do. door to ashpit	1
Ashtins without covers	3
Foul W.C's	2
Accumulations of filth	2
Do. water	2
Defective roofs	6
	1
Do. plastering	2
Foul ditchcourses	1
Defective grid in cellar	-1
Do. wash-house floor	1
Smells from pickle liquor	1
Smoke, soot and grit from chimneys	2
Manure pits emptied and cleansed	3
General defects	4
Total	1443

BACK PASSAGES.

A number of back passages are in a deplorable condition and should be put under the operation of the Private Street Works Act.

PUBLIC URINALS.

The condition of the two Public Urinals leaves much to be desired, and I trust that the Council will carry out their intention to modernise these Conveniences at an early date.

SMOKE OBSERVATIONS.

353 detailed observations of the emission of smoke from the chimneys of twenty-three factories and workshops were taken.

The Council have not fixed a time limit for the emission of black smoke, but in all cases where excessive emissions were observed the owners attention was drawn to same with satisfactory results.

The question of prosecuting offenders in cases of firing house chimneys is still lying in abeyance. No action is at present taken by either the Council or police in this matter.

REMOVAL OF REFUSE.

The removal of all refuse other than trade refuse is undertaken by the Council free of charge. The dry refuse from ashboxes and tins, is removed in the daytime, each receptacle being emptied once per week. One cart is employed regularly on this work, and a further cart is required three days per week. Privy middens, dry ashpits, pails, &c. are attended to regularly as required, and for this purpose one cart has been found sufficient. 2,621 loads of refuse were removed during the year at a cost of £572, as compared with £550 in the previous year. The appended table shows the work done month by month:—

Month 1913.	Middens, &c. Emptied.		from Dry Ash boxes, Tins, &c.	
January	150	145	112	257
February	183	131	100	231
March	179	132	108	240
April		131	112	243
May	171	108	109	217
June		80	113	193
July	131	95	126	221
August	124	83	106	189
September	181	115	122	237
October	140	90	118	208
November	109	72	118	190
December	115	71	124	195
Totals	1798	1253	1368	2621

TRADE REFUSE.

The Council undertake the removal of trade refuse when requested to do so, and make a small charge for the service. The trade refuse from sixteen premises was regularly removed in this way, at a total charge of £26, the same amount as in the previous year.

DISPOSAL OF REFUSE.

The whole of the refuse from the District is dealt with at the Destructor Works. The Refuse Destructor, which is of the back feed type, was erected in 1910, and now contains three cells. The whole of the refuse is destroyed by fire. During the year 2,912 tons of refuse were destroyed at a total cost of £384 (including repairs and cartage of clinkers), or equal to 2s. $7\frac{1}{2}$ d. per ton, whilst the gross cost (including loan repayments and interest) was £614, or 4s. $2\frac{1}{2}$ d. per ton.

The steam generated in the Destructor is used for the purposes of Sludge Pressing, Clinker Crushing, Mortar Milling and Steam Disinfecting.

Table showing QUANTITY OF REFUSE dealt with at the Destructor Works per Month.

1	al at	000000000000000000000000000000000000000	0
	Gross Total delivered at Destructor.	C. C. 118 118 118 119 110 110 110 110 110 110 110 110 110	0
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	Total placed on Land.	T. c. 20 16 38 10 20 16 38 0 0 18 0 0 13 0 0 0 13 0 0 0 0	30 15
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EI	Dry Refuse		11
PLACED	I Rei	P 62	64
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	ligh	T. 115 1109 1109 1101 75 76 76 82 82 82 82 82 82 82 82 82 82 83 82 83 83 83 83 83 83 83 83 83 83 83 83 83	1133
	4		7
	Hours Worked.	22244 22204 2220 2220 2220 2220 2221 2221	2682
	13.	ry	S.
	Month 1913.	January February March April June July September October November	Totals
		DNO SPATEMENT	1

The average quantity of Refuse per head of population was 4 cwts. 334 lbs., as compared with 5 cwts. 5 lbs. per annum last year.

DRAINAGE.

The District is well sewered, and with the exception of some fifty-two houses, the whole of the houses in the District are now connected up. Practically the whole of the unconnected houses occupy positions on the remote outskirts of the District.

A large number of Combined Drains have recently been constructed by the Council to enable the work of closet conversions to proceed, and in connection with this work I wish to refer to the type of iron cover which is placed over new chambers. It appears to be the practice in every case to use an iron cover with large perforations which allow the sewer gases to escape from the manholes at ground level. As these manholes are sometimes situate within a few feet of the doors and windows of dwelling-houses it is obvious that considerable annoyance and grave risk to health are experienced by the tenants, and I recommend that the Council should consider the advisability of substituting an improved type of manhole cover in cases of this kind.

SEWAGE DISPOSAL.

The Sewage Disposal Works have been carried on during the year in an efficient manner. An improved effluent is being turned out, and this appears to give satisfaction to the Inspectors of the Mersey and Irwell Joint Rivers Committee, who frequently visit the Works. The system consists of catchpits large settling tanks and bacterial filters. The sewage sludge is pumped to a series of sludge-presses, and with the addition of ground lime is converted into dry sludge cake, some portion of which is disposed of to farmers and others for manurial purposes. A scheme for the separate treatment of Storm Water is under consideration.

DAIRIES, COWSHEDS AND MILKSHOPS.

There are in the District one dairy, thirty-one cowsheds (containing some 221 head of cattle belonging to twenty-one owners) and thirty-nine milkshops. These premises have been well supervised and have generally been found to be

kept in a cleanly condition. One farmstead which had previously been reported to the Council in respect of defective drainage, paving of farmyard, insanitary middenstead, bad lighting, ventilation and insufficiency of airspace in cowsheds, has been put into a satisfactory condition. Minor improvements have also been effected at another farm, whilst a third farmstead has been demolished. With a view to the more efficient protection of milk from dust and other impurities, suggestions by the Inspector of Nuisances have in 13 cases been acted upon.

The Regulations adopted in 1902, with respect to dairies, cowsheds and milkshops, provide that "all cowsheds, other than those from which the cows are habitually grazed on grassland during the greater part of the year, and when not so grazed are habitually turned out during a portion of each day, must not be occupied by a larger number of cows than will leave not less than 800 cubic feet of air space for each cow." The whole of the cowkeepers in this District habitually graze their cattle and are accordingly exempt from the air space clause. The result is that in some cases an excessive number of cows are, during the winter months, kept in small cowsheds for a considerable portion of the day. It would appear that the Regulations need amendment to provide against overcrowding, and also to provide for a minimum distance between floors and ceilings of cowsheds.

SLAUGHTER HOUSES.

There are twelve licensed Slaughter Houses within the District, and whilst some are in undesirable proximity to dwellings, they have all been kept in cleanly condition. Two breaches of the Slaughter House Regulations have been observed, and remedied.

PIGSTIES.

Pigs are kept at twenty places in the District, mostly under satisfactory conditions. No complaints in respect of pig-keeping have been received during the year.

BAKEHOUSES.

There are twelve Bakehouses in the District, including one underground Bakehouse. These have been inspected and found to be well kept. Minor defects at six Bakehouses have been pointed out and made good.

SHOPKEEPERS.

The inspection of meat, foodstuffs, &c. has not necessitated any legal proceedings being instituted, and no complaints have arisen.

OFFENSIVE TRADES.

Tripe boiling is carried on under cleanly conditions at two premises. Application has been made to the Local Government Board for the following trades, businesses, or manufactures to be declared "Offensive Trades" under Section 51 of the Public Health Acts Amendment Act, 1907, viz.: - Blood Drier, Tanner, Leather Dresser, Fat Melter and Fat Extractor, Glue Maker, Size Maker, Gut Scraper, Dealer in Rags and Bones. Bone Burner, Manufacturer of Manure other than Chemical Manure, Fish Frier, Pickle Manufacturer, Food Boiling for Pigs, and Rubber and Rubber Substitute Manufacturer.

FACTORIES AND WORKSHOPS.

161 visits of inspection of factories, workshops and workplaces were made during the year. Thirty-five defects were found, and to deal with these two Statutory Notices and seventeen Informal Notices were served. Three matters requiring attention under the Public Health Act, 1875, were notified by H. M. Inspector of Factories, and four matters were reported to H. M. Inspector to be dealt with by him under the Factory and Workshop Act, 1901.

Two Lists of Outworkers were received from an adjoining Authority affecting Homeworkers in Droylsden. Three premises were found to be in need of attention, and the necessary repairs have since been effected.

No.	Description of Works.	No.	Description of Works.
10 3 3 1 1 1 2 3 4 3 4 1 1	Cotton Spinning & Weaving Mills Dyers and Bleachers Chemical Manufacturers Steam Laundry Hand Laundry Iron Foundry Tin Smiths Shoeing & General Smiths Plumbers Painters Builders Yards Gas Works Grocers Sundries Manufacturer Pickle Manufacturers Preserve Manufacturers	1 1 1 2 1	Printer Shoe Manufacturer Mineral Water Manufacturer Coach Builders Textile Machinery Manufacturer Basket Manufacturer Mews Tripe Boilers Fodder Stores Tailors Dressmakers Eating House Station Goods Yards Bakehouses Sterilized Milk Depôt
1	Cask Maker	13	Coal Depôts
1	Brickworks	12	Slaughter-houses
1	Rubber Goods Manu-	21	Shippons and Farmsteads
1 1	facturer Engineering Tool Works Cycle Mauufacturer	1	Sewage Disposal Works Refuse Destructor Works
		128	Total

In the compilation of this Report I have received the greatest assistance from Mr. Frank Schofield, the Inspector of Nuisances to the Council, to whom I express my indebtedness for a large amount of the detailed information set forth herein.

I am, Gentlemen,

Your obedient Servant,

F. G. P. ILDERTON, M.B.,

Medical Officer of Health.

Table 1.- Vital Statistics of whole District during 1913 and previous Years.

									-	
nging t.	At all ages.		Rate.	- 13	16.9	14.2	14.2	16.4	14.8	13.5
s belor District	At al		No.	12	208	178	179	218	201	M85 F101
Nett Deaths belonging to the District,	Under 1 year of age.	Rate	per 1000 nett Births.	11	170.4	113 59	137	186.6	116.9	36 118
Ne	Unde		No.	10	•09	35	47	44	88	36
erable	ths.	Of Resi-	dents not registered in the	District,		162		34	48	41
Transferable	Deaths.	Of Non-	Residents registered in the	District.					23	
Total Deaths	the District.	Rate.	1	1-				18.8	11 8	10.5
Tota	the	No.		9				184	160	145
		NETT.	Rate.	5	28.6	24.78	27.22	24.21	24	22.26 145
Rirthe		NE	°N°	4	352	808	343	322	325	M172 F183
			Un- corrected No.	00				321	322	302
	Population	estimated to middle	of each	23	12300	12500	12600	13300	13500	13700
		Year.		1	1908	1909	1910	1911	1912	1913

Table 2.—Cases of Infectious Disease notified during the Year 1913.

9	1 7		Nı	ımber	of Ca	ises N	otified			
		At Ages—Years.								
Notifiable Disease	At all Ages.	Under 1	1 to 5		15 to 25	25 to 45	45 to 65	65 and upwards	Cases Removed to Hospital	
Diphtheria (including Membraneous Croup			2	6	1				1	
Erysipelas	8					2	6			
Scarlet Fever	45		9	30	4	2			9	
Enteric Fever	8			3	2	1	2			
Puerperal Fever	2					2				
Poliomyelitis	1		1							
Pulmonary Tuber- culosis	55		1	11	13	22	8			
Other forms of Tuberculosis	24	1	5	6	8	3	1		and roll and and roll and and roll and and and and and and and and and and	
Totals	152	1	18	56	28	32	17		10	

Table 3. -- Causes of, and Ages at Death during the Year 1913.

	-	-								
								Kesider e Dist		s. whether or "Nen- in Institu- e District
Cause of Death.	All Ages	Under 1 year.	under 2	5	unde 15	under 25	unde:	r under	65 and upwards.	Total Deaths, "Residents" or "Residents" in tions in the D
1	2	3	years 4	years 5	years 6	years 7	years 8	years 9	10	11
All (Certified Causes (Uncertified		36 	10	8	6	4	25 	48	48 1	
Measles	3	2		1						
Whooping Cough.		1	1	1						
Influenza Phthisis (Pulmon-	1					•••			1	
ary Tuberculosis) Tuberculous Men-	9		1		2		4	2		
ingitis Other Tuberculous	1	1								
Diseases Cancer, malignant	3	1				1	1			
disease	22						3	14	5	
Rheumatic Fever Organic Heart	1								1	
Disease	10						4	3	3	
Bronchitis Pneumonia (all	15	2	1	•••	•••		1	3	8	
forms)	14	1	1	1		2	3	3	3	
respiratory organs Diarrhœa and	1		1							
Enteritis Nephritis and	13	7	3	2					1	
Bright's Disease						1	2	2		
Puerperal Fever	1					• • • •	1			
Other accidents & diseases of Preg-										
nancy & Parturi-	4	3					1			
Congenital Debil-				×.						
ity and Malformation, including										
Premature Birth.	14	14								
Violent Deaths, ex-	10	0								
cluding Suicide Suicide	13	2	2	3	2		1	3	1	
Other Defined Dis-									1	
eases	15	1			1		1	6	6	
Diseases ill-defined or unknown	37	1			1		3	12	20	
Totals	186	36	10	8	6	4	25	48	49	

Table 4 —Infant Mortality.

1913. Nett Deaths from stated causes at various Ages under 1 Year of Age.

Total Deaths	89999999	36
9.12 months		00
siftnom 6-9	1 33 1	70
s-6 months		9
1-8 months.	- 24 24	7
Total under	L 85 79 9	15
8-4 weeks	-	1
2.3 weeks	24	67
1-2 weeks	-	н
Under I week	L & 4 &	11
CAUSES OF DEATH.	Measles Whooping-Cough Tuberculous Meningitis Other Tuberculous Diseases Bronchitis Diarrhœa Enteritis Syphilis Suffocation, overlaying Injury at Birth Premature Birth Atrophy, Debility & Marasmus. Other causes	

Table VII. - MILK SHOPS.

Position	Occupier.
136 Edge Lane 300 Edge Lane 266 Edge Lane 540 Edge Lane 123 Fairfield Road 225 Manchester Road 41 Manchester Road 31 Market Street 25 Market Street 375 Manchester Road 1 Moorside Street 48 Market Street 11 Greenside Lane 1 Market Street 13 John Street 13 John Street 132 Market Street 132 Market Street 132 Market Street 132 Market Street 135 Manchester Road 129 Manchester Road 129 Manchester Road 129 Manchester Road 145 Moorside Street 156 Edge Lane 178 Fairfield Road 24 Market Street 37 Fold Street 8 Ashton Road 415 Edge Lane 191 Manchester Road	F. & W. Liversedge F. Openshaw E. Moffit E. Lea H. Roberts A: Hetherington H. Chappell Thomas Wallworth Jas. Thomas Buckley T. Armst ong Jos. Belfield Jas. Thomasson J. H. Settle Thos. Kippax Wright Shepley William Lee W. Newton M. Burns J. Ruddock E. Cheetham T Grimshaw J. Marshall G. Langfield Agnes Hampson Jas. Wilson L. Meskell John Slack E. Brackell B. Rawlinson
8 Ashton Road 416 Edge Lane	John Slack E. Brackell

TABLE VI. SLAUGHTER HOUSES.

Date of Reg. or Lic'ce.	No. in Reg.	Position	Owner.	Occupier.	Remarks
1865	3	New Street, back of Market St	W. Torkington.	Jas. Newton	Good state of repair
1865	4	62, Market St	W. Torkington.	Mary A. Kimber	Has been made by covering over part of backyard of house, and abuts on the same.
1865	7	1, Greenside Lane	S. Williamson	J. Williamson	House opens into slaughter house
1904		421-3, Manchest'r Road	H. Smith	Sam Etchells	This slaughter house is on the same premises as one registered in 1865 (No. 10). Good state of repair.
1904	13	Albert Street	Droylsden Co-op.	Droylsden Co-op.	This is a model slaughter house, and is in substitution of one erected about 1878 on same site.
		Back of Hart St.	Baguley's Trustees	J. Ridgway	No record of registra- tion or License. Good state of repair.
1904		Chapel Street, behind No. 170, Market Street	Stopford's Estate	P. Grundy, Jr	Council granted license for same Feb. 1903. Good state of repair. House opens into slaughter house.
		Off Moorcroft St.	W. Torkington.	W. Torkington.	In substitution of one st other side of Moorcroft St. used formerly. No re- cord of registration or license. Good state of repair.
1891		108, Market St	I. Newton	I. Newton	Good state of repair.
1906		Clock House, Greenside Lane	Hurst's Trust	S. Garside	Only occasionally used.
1906		Benny Lane	Hulme's Trust	J. Day	Only occasionally used.
		33, Market St	Mrs. Slater	S. Isherwood	No record of registra- tion. Good state of repair.

TABLE IX.

Factories Workshops, Laundries, Workplaces & Homework

1-Inspection.

INCLUDING INSPECTION MADE BY SANITARY INSPECTORS OF NUISANCES.

Premises						Number of				
						Inspections	Written Notices	Prosecut'n		
Factories (including Factory Laundries) Workshops (including Workshop Laun-					es)	105	6			
dries	(incre	iding w	···		aun-	10	10			
Workplaces						13	3			
		Total				161	19			

2-Defects Found.

		of Def		J n-n
Particulars	Found	Reme- died	R'd to H.M. I'spcr.	No. of Prosecu
Nuisances under the Public Health Acts: Want of Cleanliness	1 12 1 1 19	1 12 1 11	4	
Offences under the Factory and Workshop Act;— Illegal occupation of underground Bake- houses (s 101) Breach of special Sanitary requirements fo Bakehouses (ss 97 to 100) Other Offences	r			
Total	. 35	27	4	

TABLE IX.—continued.

3-Homework.

Class	Number
List of Addresses of Outworkers Outworkers Councils forwarded to other Councils	2
Inspections of Outworkers premises: Making Wearing Apparel	13

4-Registered Workshops.

	Hand Laundry		 	1	
of	Tin, Shoeing and other Smiths		 	5	
es .	Plumbers		 	4	
ssips	Builders' Yards		 	4	
Important Classes Workshops	Pickle Manufacturers		 	3	
t C	Cask Maker		 	1	
or	Printer		 	1	
T S	Bakehouses		 	12	
od	Coach Builders		 	2	
8	Tailors, &c		 	5	
_	Others		 	11	
Total	number of Workshops on Registe	r	 	49	

5-Other Matters.

Matters notified to H.M. Inspector of Factories	
Failure to Affix Abstract of the Factory and	
Workshop Act (s. 133)	1
Action taken in matters Notified by H.M.	
referred by H.M. Inspec- Inspector	3
tor as remediable under	
the Public Health Acts, Reports of Action	
but not under the Fac- taken sent to H.M.	3
tory and Workshop Act Inspector	
(s. 5)	
Underground Bakehouses (s. 101):-	
Certificates granted during the year	
In use at the end of the year	1

TABLE VIII. Shippons.

Position	Occupier
Lumb Hoppett Lane Oldham Street Dunkirk Street Greenside Lane Fare Fare Sunny Bank Water Lane Fairfield Square Yew Tree Farm Oakfield Farm White Hart	John Day A. Newton W. Berry E. Ridgway Exors. W. Cordon A. E. Mycoe W. Newton J. Newton J. Newton W. Day R. Fildes Mrs. Garside R. Coates' Exors. J. M. Barnsley J. Mellor G. Higginbottom R. Cooper W. Bolton W. Lindley S. Williamson J. Wilson

Table 10.—Table of Smoke Observations taken in connection with Factory and other Chimneys in the District, 1913.

	Mo. of Firm.	222222222222222222222222222222222222222
EC.	Average No. of Mins. Black Smoke per hour.	10:00000000000000000000000000000000000
DE	No of Observations.	. H: WWH: W: W: HWWWHWH: WW
ov.	Average No. of Mins. Black Smoke per hour.	
ž	No. of Observations.	
Oct.	Average No. of Mins. black Smoke per hour.	2000年00年000000000000000000000000000000
0	No. of Observations.	00: HHV: H: W: WWWWHWWHWH
EPT.	Average No. of Mins. Black Smoke per hour.	000037500770000000000000000000000000000
Si	No. of Observations.	004000000000000000000000000000000000000
UST.	Average No. of Mins. Black Smoke per hour.	40-480-4800-484888 : 840-84 : 840 : 80 : 80 : 80 : 80 : 80 : 80 :
AUG	No. of Observations.	
У.	Average No. of Mins Black Smoke per hour	
JULY	No. of Observations.	
UNE.	Average No. of Mins. Black Smoke per hour-	0008 4 50 22 22 22 24 20 000
10	No. of Observations.	ind : a : a : a : a : a : a : a : a : a :
VY.	Average No. of Mins, Black Smoke per hour.	20 22 年 50 20 20 20 20 20 年 50 80 20 20 24 50 80 20 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10
M	No. of Observations.	001-0000000000000000000000000000000000
PRIL.	Average Mc. of Mins. Black Smoke per hour	00000000000000000000000000000000000000
AP	No. of Observations.	0004000000004-4000000000
MARCH.	Average No of Mins.	00000000000000000000000000000000000000
MAI	No. of Observations.	
EBY.	Average No. of Mins. Black Smoke per hour.	ひのようののののののなななななるのののののは、
FE	No. of Observations.	
TX.	Average No. of Mins. Black Smoke per bour.	
JANY	No. of Observations.	
	Number of Firm.	222222222222222222222222222222222222222

Table 11.—Rainfall.

Number of Days on which Rain fell.

Month.	1911	1912	1918
January	16	16	17
February	14	9	13
March	15	23	23
April	13	6	20
May	9	13	18
June	12	25	15
July	9	16	9
August	11	25	11
September		10	12
October	16	12	13
November	20	15	22
December	25	24	15
Totals	171	194	188

Table 12.

	1911	1912	1913
Average Rainfall per day per week month	·091 ins.	·117 ins.	·090 ins.
	·637 ins.	·816 ins.	·634 ins.
	2·766 ins.	3·538 ins.	2·747 ins.
	33·19 ins.	42·45 ins.	32·97 ins.

Table 13.- Average Rainfall for 3 Years--1911-13.

Month.	Inches.
January February March April May June July August September October November	2·51 1·82 3·65 2·23 2·66 3·47 1·87 3·86 2·80 2·95 3·84
December	4.77

33

Table 14.—Exceptional Rainfalls.

1911 Date. Inches.		1912 Date. Inches.		1913 Date. Inches.	
Feb. 17	.70	Jan. 5	.50	Jan. 5	.85
,, 22	.62	,, 18	.50	Mar. 14	·61
Mar. 2	.70	Mar. 15	1.28	Apl. 16	.72
Apl. 28	.65	May 16	-54	,, 27	-68
June 25	1.30	,, 22	51	., 30	•70
Aug. 6	.69	June 18	.85	May 4	.65
,, 28	.69	,, 22	.52	,, 7	.67
Sept. 3	1.31	Aug. 1	1 38	July 7	.98
,, 26	.56	,, 4	54	Aug. 23	1.12
,, 28	.53	,, 18	.60	Nov. 15	.85
Oct. 23	.52	,, 23	•52	Dec. 27	.60
Dec. 9	.55	,, 24	1.19	1	
,, 11	.50	Sept. 1	.58		
,, 14	.66	Oct. 22	.56		
		,, 27	1.10		
		,, 28	.68		
		Nov. 5	.58		la financia
		Dec. 1	.87		
		,. 12	.86		

Table 15. - Record of Temperature (in Shade) at Sewage Works (1913).

Month.	Week Ending.	No. of week in	Maxi Tempe	mum rature.	Mini Tempe	mum rature,
		Year.	8 a.m.	5 p.m.	8 am.	5 p.m.
January	January 5	1	48	49	30	33
	12	2	49	52	31	31
	19	3	43	47	26	28
	26	4	48	49	23	23
February	Feby. 2	5	45	48	26	31
	9	6	50	53	34	35
	16	7	51	54	29	29
	23	8	42	44	26	30
March	March 2	9	53	53	26	30
	9	10	50	55	32	32
	16	11	48	49	28	33
	23	12	48	48	22	25
	30	13	48	55	26	27
April	April 6	14	52	54	31	35
	13	15	52	51	30	34
	20	16	49	57	33	38
	27	17	59	64	35	43
May	May 4	18	59	60	35	43
	11	19	60	64	32	43
	18	20	66	67	35	40
	25	21	67	69	40	37
June	June 1	22	78	77	42	54
	8	23	72	72	41	46
	15	24	72	81	42	49
	22	25	82	80	47	51
	29	26	66	68	47	51
July	July 6	27	65	75	51	55
	13	28	. 68	72	40	43
	20	29	66	73	48	51
A	27	30 31	75 78	72 75	41	49
August		32	74	65	45 38	52 48
	10	33	70	75	46	55
	17 24	34	64	70	37	50
	31	35	70	73	41	47
September	Sept. 7	36	63	66	43	52
September	14	37	64	67	30	42
	21	38	61	64	39	43
	28	39	70	75	44	50
October	October 5	40)	64	63	44	46
00.000	12	41	60	66	40	44
	19	42	55	61	41	37
	26	43	63	63	27	30
November	Nov. 2	44	60	61	40	40
	9	45	52	56	30	33
	16	46	59	55	40	40
	23	47	58	55	28	33
	30	48	55	56	30	32
December	Dec. 7	49	50	50	29	30
	14	50	50	52	30	38
	21	51	47	50	30	35
	28	52	44	50	20	29
			1	1		1

Table 16.—Record of Rainfall at Sewage Works, 1913.

		No. cf	Total	Total	Total
Month.	Week	Week in	Rainfall	Rainfall	Rainfall
	Ending.	Year.	for Week.		for Year.
			Inches.	Inches.	Inches.
January	January 5	1	-93		
January 11	12	2	.30		
	19	3	-26		
P.1	26	4	1.20	2.69	
February	Feby. 2	5	.40		
	16	7	·75		
	23	7 8	.00	1.56	
March	March 2	9	.17		
	9	10	.88		
	16	11	1.38		
	23	12	·99 ·32	3.74	
April	April 6	13 14	-32	3 14	
Trpin	13	15	.50		
	20	16	1.44		
	27	17	-96	3.19	
May	May 4	18	1.99		
1	11	19	1.24		
	18 25	20 21	-83	4.15	
June	June 1	22	·14	110	
3,000	8	23	-86		
	15	24	-85		
	22	25	20	2.04	32.97
Tuler	29	26	·59 ·10	2.64	02 01
July	July 6	27 28	1.15		inches.
	20	29	19		писиоз.
	27	30	·13	1.57	
August	August 3	31	.00		
	10	32	.50		
1	17 24	33 34	1 57		
	31	35	137	2 68	
September.	Sept. 7	36	45		
	14	37	.36		
	21	38	-66	0.00	
October	28	39 40	·75 ·07	2.22	
October	October 5	41	32		
	19	42	.43		
	26	43	.38	1.20	
November.	Nov. 2	44	.54		
	9	45	.37		
	16	46 47	2 03 1 32		
	23 30	48	.30	4.56	
December	Dec. 7	49	1.09	100	
	14	50	.31		
	21	51	14	0.55	
	28	52	1.23	2.77	
	Contract of the Contract of th			1	