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COUNTY BOROUGH OF BURY.

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR

1924,

BY

G. GRANVILLE BUCKLEY,

M.D., D.P.H.,

MEDICAL OFFICER OF HEALTH, CHIEF TUBERCULOSIS OFFICER,

MEDICAL OFFICER TO THE EDUCATION COMMITTEE

BURY :

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HEALTH COMMITTEE, 1924.

Chairman - Councillor JOHNSON.

Deputy-Chairman - Councillor SALTER.

HIS WORSHIP THE MAYOR (Councillor P. Stock),	Councillor COX,
Alderman ASHWORTH,	„ EVANS,
„ BRADLEY,	„ O. S. HALL,
„ COLLINGE,	„ R. B. HALL,
„ GREENHALGH,	„ KAY,
„ HARGREAVES,	„ LEPP,
„ SMITH,	„ PEARSON,
Councillor BATTERSBY,	„ PICKLES,
„ BIRCH,	„ REDFORD,
	„ WILKINSON.

*Meetings—The Wednesday in each month immediately preceding
the 14th day before the Council, at 10-0 a.m.*

OFFICIALS OF THE HEALTH DEPARTMENT.

Inspector of Nuisances, District Inspector of Moorside, East, and part of Redvales Wards, Inspector under Shop Hours' Acts, Inspector under Explosives Act, &c. :—JOHN HAWORTH, Cert. R.S.I., Certified Sanitary Engineer, Certified Inspector of Meat and other Food and Inspector under the Diseases of Animals Acts.

District Inspector for Church, Elton, and part of Redvales Wards, Inspector under Canal Boat Acts, &c. :—SAMUEL KAY, Cert. R.S.I.

Smoke Inspector, Inspector of Infectious Diseases, Common Lodging Houses, &c. :—HENRY MITCHELL, Cert. R.S.I.

Abattoirs Superintendent, Inspector of Meat, and of Dairies, Cowsheds, and Milkshops; Inspector of Offensive Trades, &c. :—HARRY WALTON, Cert. R.S.I., Certified Inspector of Meat and other Foods, and Inspector under the Diseases of Animals Acts.

* *Health Visitors, Inspectors of Workshops (where Females are employed), Inspectors under Shop Hours' Acts, Inspectors of Midwives, &c.* :—Nurses S. PENNINGTON, Certified Midwife, B. GREENHALGH, Certified Midwife, E. WEBSTER, Certified Midwife, Cert. R.S.I., and AGNES HOLLINGWORTH, Certified Midwife.

* *School Visitors* :—LILIAN H. RISHTON, M.I.H., and MINNIE E. TAYLOR, Certified Midwife.

Chief Clerk :—P. WOOD. *Assistant Clerks* :—L. KAY and C. PROPHET.

* *Medical Officer of Health* :

G. GRANVILLE BUCKLEY, M.D., Ch.B., D.P.H.

* *Assistant Medical Officer of Health* :

ROBERT CONDY, M.B., D.P.H.

Inspector under Food and Drugs Acts :

H. C. CASS (Markets Inspector).

Borough Analyst :—THOMAS J. HUTCHINSON, F.I.C.

Veterinary Surgeon : W. NOAR, M.R.C.V.S.

Veterinary Inspector under Diseases of Animals Acts :

W. PACKMAN, M.R.C.V.S.

*Salary Contribution made under Public Health Acts or by Exchequer Grants.

Public Health Department,

Clough Street,

BURY,

October, 1925.

To the Chairman and Members of the Health Committee.

Gentlemen,

I have the honour to present to you my 13th Annual Report on the health and sanitary circumstances of your Borough during the year 1924.

I am pleased to be able to report that the important mortality rates show a marked decrease compared with those of the preceding year. The general death rate for the Borough during 1924 was 14.66 per 1,000, compared with a rate of 15.9 for 1923.

The Infant Mortality rate shows a considerable fall, being 71 per 1,000 births, compared with 101 per 1,000 during the preceding year. This rate is by far the lowest ever recorded in the Borough.

The Phthisis death rate also shows a decrease from 0.94 to 0.79 per 1,000.

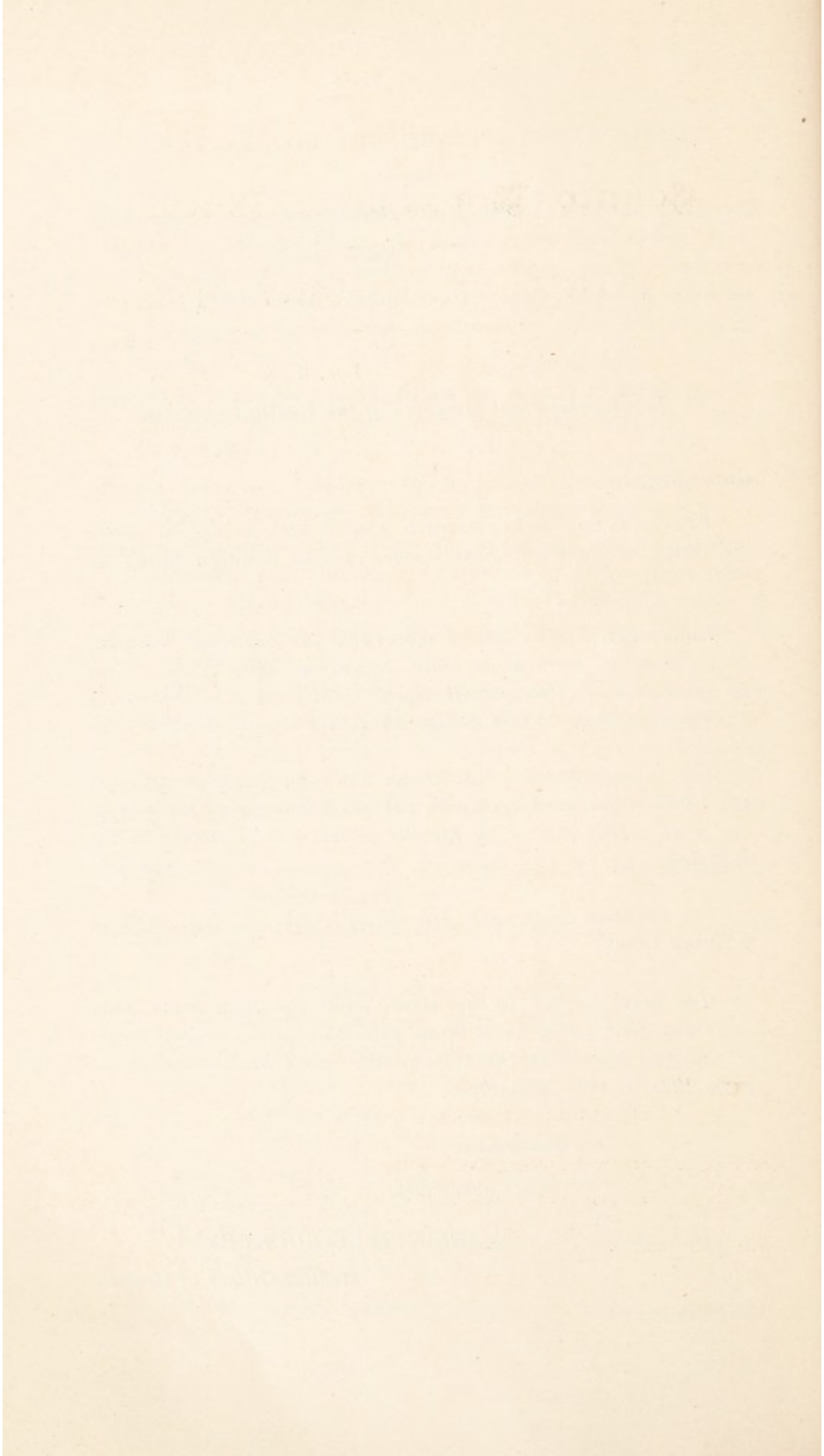
The next Report to be issued will be of a much more comprehensive nature than those published during recent years. It will deal fully with the state of the public health during the years 1921 to 1925 inclusive.

I am, Gentlemen,

Yours obediently,

G. GRANVILLE BUCKLEY,

Medical Officer of Health.



County Borough of Bury.

STATISTICAL SUMMARY, 1924.

Situation—Latitude, 53° 36' N.; Longitude, 2° 18' W.

Population (estimated 1924)	56,830			
„ (census 1921)	56,426			
Number of Inhabited Houses (census 1911)	13,919			
Marriages (Bury)	432			
Births	<table> <tr> <td>{ Males 447</td><td rowspan="2">} Total ... 883</td></tr> <tr> <td>{ Females ... 436</td></tr> </table>	{ Males 447	} Total ... 883	{ Females ... 436
{ Males 447	} Total ... 883			
{ Females ... 436				
„ (Illegitimate)	<table> <tr> <td>{ Males 18</td><td rowspan="2">} Total ... 34</td></tr> <tr> <td>{ Females ... 16</td></tr> </table>	{ Males 18	} Total ... 34	{ Females ... 16
{ Males 18	} Total ... 34			
{ Females ... 16				
Annual Rate of Births per 1,000 of the Population... ..	15.54			
Deaths	<table> <tr> <td>{ Males 402</td><td rowspan="2">} Total ... 833</td></tr> <tr> <td>{ Females ... 431</td></tr> </table>	{ Males 402	} Total ... 833	{ Females ... 431
{ Males 402	} Total ... 833			
{ Females ... 431				
Annual Rate of Mortality per 1,000 of the population	14.66			
Excess of Registered Births over Deaths	50			
Infant Mortality	71 per 1,000 Births.			
Area (acres)	5,925			
Rateable value	£371,273			
Sum represented by a penny rate	£1,340			

LEGAL SUMMARY.

Statutes in force in the Borough (other than Public General Acts) :—

LOCAL ACT.

Bury Corporation Act, 1909.

ACTS CONFIRMING PROVISIONAL ORDERS.

Local Government Board's Provisional Orders Confirmation (No. 17) Act, 1903. (An Act to confirm certain Provisional Orders relating to Bury and the Bury and District Joint Hospital Board.

ACTS CONFIRMING PROVISIONAL ORDERS (Continued).

Local Government Board's Provisional Orders Confirmation (No. 5) Act, 1911, which confirmed a Provisional Order made by the Local Government Board for the inclusion of Warth Fold within the Borough as from the 9th November, 1911.

Local Government Board's Provisional Orders Confirmation (No. 10) Act, 1914, which confirmed an Order authorising the carrying out of certain street improvements.

Local Government Board's Provisional Orders Confirmation (No. 15) Act, 1912, confirming the Bury (Extension) Financial Adjustments Order, 1912.

Local Government Board's Provisional Orders Confirmation (No. 1) Act, 1913, repealing Section 212 of the Bury Corporation Act, 1909, and the tenth Schedule, and abolishing the special rating districts, or added area differential rating.

Local Government Board's Provisional Orders Confirmation (No. 13) Act, 1914, repealing Section 141 of the Bury Corporation Act, 1909, which prohibited streets being laid out for building purposes exceeding 100 yards in length without an intersecting street every 100 yards.

Tramways Orders Confirmation Act, 1915, authorising the extension of the Bury Tramways to the New Inn, Walmersley, and at Jericho.

ACTS ADOPTED.

Public Health Acts Amendment Act, 1890. (March 5th, 1891; came into operation May 1st, 1891.)

Infectious Diseases (Prevention) Act, 1890. (August 2nd, 1900; came into operation October 1st, 1901.)

Housing of the Working Classes Act, 1890—Part III. (June 3rd, 1909.)

ACTS ADOPTED (Continued).

Notification of Births Act, 1907. (March 5th, 1908.)

Public Health Acts Amendment Act, 1907. Orders made, declaring certain Parts and Sections thereof to be in force in the Borough, by the Local Government Board on November 8th, 1909 (came into operation 1st January, 1910), and by the Secretary of State on October 13th, 1909.

ACTS CONSTITUTING CERTAIN JOINT AUTHORITIES—

- (i.) as to prevention of pollution of rivers, namely: Local Government Board's Provisional Orders Confirmation (No. 10) Act, 1891. (Confirming a Provisional Order constituting a Joint Committee, under section 14 of the Local Government Act, 1888, to enforce the provisions of the Rivers Pollution Prevention Act, 1876, in relation to parts of the Rivers Irwell and Mersey);
- (ii.) as to water supply, namely:—Bury and District Water (Transfer) Act, 1900 (constituting the Bury and District Joint Water Board).

Causes of, and Ages at Death during the Year 1924.

Causes of Death.	Net Deaths at the subjoined Ages of Residents, whether occurring within or without the District.									Total Deaths whether of Residents or Non-residents in Institutions in the District.
	All ages.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	
All Causes { Certified	818	62	14	12	17	24	117	243	329	287
{ Uncertified ..	15	1	..	..	..	..	..	6	8	..
Enteric Fever	1	..	..	..	..	..	..	1	..	1
Smallpox	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	1	..	..	..	1	..	..	..	..	4
Whooping Cough	4	2	1	1	..	..	..	..	..	..
Diphtheria and Croup	..	..	..	..	..	..	..	..	..	..
Influenza	28	..	..	..	..	1	6	12	9	..
Erysipelas	1	..	..	..	..	..	..	1	..	2
Phthisis (Pulmonary Tuberculosis)	45	..	..	..	1	10	25	7	2	11
Tuberculous Meningitis ..	1	1	..	..	..	..	..	..	..	1
Other Tuberculous Diseases	7	..	1	1	..	3	..	2	..	5
Cancer, Malignant Disease	98	..	..	..	..	..	11	37	50	32
Rheumatic Fever	1	..	..	..	..	..	1	..	..	..
Heart Diseases	154	..	..	..	1	2	17	66	68	58
Bronchitis	88	5	2	2	..	..	1	21	57	29
Pneumonia (all forms) ..	75	11	7	5	2	5	14	22	9	14
Other Diseases of Respiratory Organs	5	1	..	..	..	..	2	1	1	..
Diarrhoea and Enteritis ..	3	2	..	..	..	..	..	1	..	..
Appendicitis and Typhlitis	6	..	..	1	3	..	1	..	1	6
Cirrhosis of Liver	1	..	..	..	..	..	..	1	..	..
Alcoholism	1	..	..	..	..	..	..	1	..	1
Nephritis and Bright's Disease	21	..	1	..	2	..	3	10	5	7
Puerperal Fever	1	..	..	..	..	..	1	..	..	1
Other accidents & Diseases of Pregnancy and Parturition	3	..	..	..	..	..	3	..	..	3
Congenital Debility and Malformation, including Premature Birth ..	32	32	..	..	..	..	..	..	..	6
Violent Deaths, excluding Suicides	11	1	..	2	..	..	5	2	1	12
Suicides	11	..	..	..	..	..	2	8	1	1
Other Defined Diseases ..	175	7	1	..	7	2	25	55	78	71
Diseases Ill-defined or Unknown	59	1	1	..	..	1	..	1	55	22
	833	63	14	12	17	24	117	249	337	287

INFANT MORTALITY, 1924.

Nett 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 1 year.
All Causes { Certified	22	7	4	1	34	10	4	5	9	62
Uncertified	..	..	..	..	..	..	..	1	..	1
Smallpox.....	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..
Scarlet Fever.....	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	1	..	1	..	..	..	1	2
Diphtheria	..	..	..	..	..	..	..	..	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis	..	..	..	..	..	..	..	1	..	1
Abdominal Tuberculosis.....	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..
Meningitis (not Tuberculous)	..	..	..	..	..	..	..	1	..	1
Convulsions.....	..	..	..	..	..	..	..	..	..	..
Laryngitis	..	..	..	..	..	..	..	..	..	..
Bronchitis	..	..	..	..	..	1	..	1	1	3
Pneumonia (all forms)	..	..	..	..	..	1	2	3	5	11
Diarrhoea	..	..	..	..	..	2	..	..	..	2
Enteritis.....	..	..	..	..	..	..	..	..	..	..
Gastritis	..	..	..	..	..	1	..	..	..	1
Syphilis	..	..	1	..	1	1	1	..	1	4
Rickets	..	..	..	..	..	..	..	..	..	..
Suffocation, overlying	1	..	..	..	1	..	..	..	..	1
Injury at Birth	..	..	..	..	..	..	..	..	..	..
Atelectasis	5	..	..	..	5	..	..	..	..	5
Congenital Malformations	4	1	..	..	5	..	..	..	..	5
Premature Birth	9	3	1	..	13	2	..	..	..	15
Atrophy, Debility & Marasmus..	2	3	1	1	7	2	1	..	..	10
Other Causes	1	..	..	..	1	..	..	..	1	2
	22	7	4	1	34	10	4	6	9	63

Nett Births in the year	Legitimate..	849	Nett Deaths in the year	Legitimate Infants ..	55
	Illegitimate..	34		Illegitimate Infants ..	8

Vital Statistics of Whole District during 1924 and Previous Years.

YEAR	Population estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		Transfer-able Deaths of Non-residents registered in the District.	Transfer-able Deaths of Residents not registered in the District.	NET DEATHS BELONGING TO THE DISTRICT.			
		Nett.		Number	Rate			Under 1 Year of Age.		At all Ages.	
		Number.	Rate					Number.	Rate per 1000 nett Births.		
										Number	Rate.
1919	54248	738	13.06	1014	18.69	146	48	68	92	916	16.88
1920	56410	1118	19.66	912	16.16	136	45	102	91	821	14.55
1921	57600	1089	18.91	841	14.60	124	49	93	85	766	13.80
1922	57400	949	16.53	946	16.48	143	54	78	82	857	14.93
1923	57250	866	15.01	985	17.21	118	46	88	101	913	15.95
1924	56880	883	15.54	929	17.40	156	60	63	71	833	14.66

Area of District in acres (land and inland water) } 5925. }
 Total population at all ages } 59040 }
 Total families or separate occupiers ... } 18919 }
 Average number of persons per house ... } 4.24 }
 At Census of 1911.

INQUESTS DURING THE YEAR.

During the year the causes of death of 53 Bury residents were investigated by the District Coroner (Mr. S. F. Butcher). In 38 instances it was found advisable to hold an inquest, and of this number 26 related to the bodies of males and 12 to the bodies of females. In 15 cases a public enquiry was dispensed with.

UNCERTIFIED DEATHS.

The number of uncertified deaths (i.e., deaths which had not been certified by a medical man, or cases in which the Coroner considered an inquest unnecessary) was 15, 11 being of males and 4 of females.

INFANT MORTALITY.

Number of births during the year	883
Number of deaths of children under one year of age	63
Infant Mortality Rate, per 1,000 births	71

The following table shows the number of deaths of infants per 1,000 births in Bury during the past eleven years :—

1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	Average 10 years	1924
125	115	133	93	110	92	91	85	82	101	102	71

Infant Mortality for the whole of England and Wales (1924)	75
For the 105 Great Towns	80
For the 157 Smaller Towns	71

Influence of Feeding on Infant Mortality.—During the year the following information has been obtained as to the method of feeding of 833 of the 878 infants notified. Of these :

693	were breast-fed, amongst which were 19 deaths, i.e.,	2.74%
87	„ bottle-fed „ „ 11 „ „	12.64%
38	„ breast and bottle-fed „ 4 „ „	10.52%
15	„ spoon-fed „ 12 „ „	80.00%
9	died within 24 hours of birth, or no particulars could be obtained.	

36 were still-births.

Of the 63 deaths which have been recorded of children under one year of age, the following is an analysis of the nature of feeding :—

13, or 20.63 per cent., were bottle-fed.

22, or 34.92 per cent., were fed naturally.

5, or 7.94 per cent., were partly breast and partly bottle fed.

13, or 20.63 per cent., were spoon-fed.

10, or 15.87 per cent., died almost immediately after birth.

District Mortality.

		Infant Deaths.	Births.	Deaths per 1000 Births
Bury North	{ Moorside Ward	20	208	96
	{ East Ward	13	175	74
Bury South	{ Church Ward	9	134	67
	{ Redvales Ward	10	130	77
Elton Ward		11	236	47
Whole Borough... ..		63	883	71

Number of women dying in, or in consequence of, child-birth :—From Sepsis one, from other causes four.

NOTIFICATION OF BIRTHS ACT, 1907.

The above Act was adopted at a meeting of the Town Council held on February 8th, 1908, and the consent of the Local Government Board having been obtained, came into operation on April 8th, 1908. The Act was, however, extended to all districts on September 1st, 1915.

Under the Notification of Births Act of 1907, 878 births were notified, 740 being notified by midwives, 111 by medical practitioners, and 27 by parents or other persons. Of the total number of births notified, 36 were returned as being "still-born," of which 15 were notified by midwives, 21 by medical practitioners, and two by parents or other persons.

MIDWIVES' ACT.

The number of midwives on the register at the end of the year was 22, as compared with 20 at the end of the year 1923, 17 of whom were trained and certified by examination. Speaking generally, they have complied with the rules and regulations according to the Midwives' Act.

MATERNITY AND CHILD WELFARE.

MOTHERS' WELCOME.

In November, 1916, a Committee of voluntary workers, including representatives of the Bury Co-operative Women's Guild, opened the "Mothers' Welcome" at 12, John Street. The building contains consulting room, play room for children, tea room for mothers, weighing room, lavatories, &c. The Welcome is open every Monday and Thursday afternoon.

In April, 1919, the Centre was taken over by the Corporation, but the voluntary Committee also continued to assist with the work.

At the end of 1924 there were 445 children on the register and 2,923 attendances had been made. There were also 49 expectant mothers on the register, with a total attendance of 211.

In April, 1920, arrangements were made for a Centre to be opened at Wood Street School, Elton. The Centre is open every Wednesday afternoon, and it has met with great success. At the end of 1924 there were 170 children on the register, and 930 attendances had been made. There were also 10 expectant mothers on the register, with a total attendance of 43.

Full records are kept of each child, and when considered necessary the child is examined by the Medical Officer in attendance. The Health Visitors have attended on 247 occasions. No treatment is carried out at the Centres, but where the child requires medical attention the mother is directed to consult her own medical man.

MILK (Mothers and Children) ORDER, 1919.

During the year 97 applications were received for free milk under the above Order, of which 87 were granted and 10 refused.

COMPLICATED CASES OF LABOUR.

In June, 1920, arrangements were made with the Board of Management of the Bury Infirmary for the treatment of complicated cases of Labour. During 1924 eight patients were treated at the institution.

Table showing the number of cases of Infectious Disease notified from 1905 to 1924.

DISEASE.	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924
Smallpox	33	1	..	..	..	30	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Scarlet Fever	197	90	40	98	389	564	220	139	296	250	156	112	85	50	27	76	138	185	139	132
Diphtheria and Membranous Croup	55	35	48	52	59	44	44	13	66	59	51	48	165	114	115	74	49	46	56	50
Enteric Fever	33	33	18	15	9	18	25	6	7	8	8	5	7	5	7	1	1	1	4	1
Continued Fever	3	3	1	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever	4	11	14	9	5	4	6	6	6	4	3	2	4	2	3	6	7	7	3	1
Erysipelas	46	42	35	26	38	40	32	41	28	36	48	29	18	16	28	25	20	22	28	20
†Chickenpox	79	..	..	..	..	..	..	..	..	..	..	223	103	138	97	190	237	181	189	331
Poliomyelitis	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	1	..	..	..	1
Encephalitis Lethargica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3	11
Ophthalmia Neonatorum	..	..	..	..	..	..	..	1	4	15	15	22	21	6	11	12	14	17	6	8
†Pneumonia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	149	53	45	160	205	108
†Malaria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23	10	2	..	..	1
†Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..
TOTALS	450	215	156	202	500	670	357	208	408	373	281	442	403	331	462	449	515	619	633	664

† Made notifiable on Mar. 29th, 1916.

‡ Made notifiable Mar. 1st, 1919.

Cases of Infectious Disease notified during the Year 1924.

Notifiable Disease.	Cases notified in whole District.								Total Cases notified in each locality.		No. of Cases Removed to Hospital from each locality		Total Cases Removed to Hospital
	At all Ages	At Ages—Years.							Registration Sub-District.		Bury.	Elton.	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards.	Bury.	Elton.			
Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Membranous Croup)	50	1	13	23	7	5	1	..	37	13	31	13	44
Erysipelas	20	..	..	2	..	8	8	2	17	3	3	..	3
Scarlet Fever	132	..	23	92	12	5	..	..	104	28	97	26	123
Typhus Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever	1	..	..	..	..	..	1	..	1	..	..	..	..
Relapsing Fever	..	..	..	..	..	..	..	..	..	..	..	..	..
Encephalitis Letharg.	11	..	..	..	3	1	3	4	11	..	2	..	2
Poliomyelitis	1	..	..	..	..	1	..	..	..	1	..	..	..
Ophthalmia Neonatorum ..	8	8	..	..	..	..	..	..	7	1	..	..	..
Chicken-pox	331	22	135	168	5	1	..	..	204	127	..	..	..
Pneumonia	108	4	11	10	17	24	29	13	75	33	..	..	..
Malaria	1	..	..	..	..	1	..	..	..	1	..	..	..
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever	1	..	..	..	..	1	..	..	..	1	..	..	..
TOTALS.....	664	35	182	295	44	47	42	19	456	208	133	39	172

Number of Cases of Infectious Disease notified in each Month of the Year.

	Scarlet Fever.	Diphtheria & Membranous Croup.	Enteric Fever.	Puerperal Fever.	Erysipelas.	Poliomyelitis.	Chicken-pox.	Ophthalmia Neonatorum.	Encephalitis Lethargica.	Pneumonia.	Malaria.
January	16	10	..	..	1	..	21	..	1	16	..
February	18	1	..	..	1	..	9	1	3	17	..
March	12	6	..	..	8	..	5	..	5	14	..
April	21	11	..	..	1	..	2	..	1	16	..
May	14	2	..	..	3	..	11	..	..	2	..
June	9	4	..	1	..	..	6	1	..	11	..
July	8	8	..	..	8	..	8	1	..	4	..
August	1	1	..	..	..	..	..	1	..	4	..
September	11	..	1	..	4	1	20	2	..	7	..
October	7	4	..	..	1	..	90	..	1	3	..
November	8	5	..	..	1	..	118	2	..	7	..
December	7	3	..	..	2	..	51	..	..	7	1
TOTALS	182	50	1	1	20	1	331	8	11	108	1

WARD DISTRIBUTION OF INFECTIOUS DISEASES, 1924.

	Scarlet Fever.	Diphtheria & Membran- ous Croup.	Ent- eric Fever.	Puer- peral Fever.	Erysi- pelas.	Oph- thal. Neon- 'tor'm.	Polio- myeli- tis.	Chick- enpox.	Pneu- monia	Mal- aria.	Encep- halitis Leth- argica
Moorside	29	18	1	...	9	3	...	66	16	...	3
East.....	40	9	...	...	5	4	...	86	21	...	3
Church	18	9	...	...	2	...	...	29	11	...	1
Redvales.....	22	6	...	1	1	...	...	23	27	...	4
Elton	28	13	...	...	3	1	1	127	33	1	...
TOTALS.....	182	50	1	1	20	8	1	331	108	1	11

CASES REMOVED TO THE FLORENCE NIGHTINGALE HOSPITAL FROM
THE VARIOUS WARDS.

	Scarlet Fever.	Diphtheria & Membran- ous Croup.	Enteric Fever.	Enc'ph'itis Leth'argica	Puerperal Fever.	Poliomy- elitis.	Erysip- elas.	Measles.
Moorside ...	25	10	...	...	...	...	1	...
East	40	9	...	1	...	...	1	...
Church	18	9	...	...	...	...	...	...
Redvales	19	3	...	1	...	...	...	...
Elton	26	13	...	...	...	...	1	...
TOTALS.....	123	44	...	2	...	...	3	...

VENEREAL DISEASES.

On February 3rd, 1920, a Venereal Diseases Clinic was opened at the Tuberculosis Dispensary, The Wylde, Bury. The hours of attendance are :—

Tuesdays : 6-30 p.m. to 8-30 p.m. for females.

Fridays : 6-30 p.m. to 8-30 p.m. for males.

The work is carried out by a medical man with special experience in the work, and free treatment is available for all, whether resident in the Borough or not.

The following tables give full particulars of the work carried out at the clinic during the year 1924 :—

RETURN relating to all persons who were treated at the Treatment Centre at Bury during the year ended the 31st December, 1924.

[illegible]

RETURN relating to VENEREAL DISEASES—Continued.

9. Examinations of Pathological material:—	For detection of			For Wassermann Reaction.
	Spirochetes.	Gonococci	Other Organisms.	
(a) Specimens which were examined at, and by the Medical Officer of, the Treatment Centre.	..	89	..	..
(b) Specimens from persons attending at the Treatment Centre which were sent for examination to an approved laboratory.....	..	..	..	333

STATEMENT showing the services rendered at the Treatment Centre during the year, classified according to the areas in which the patients resided.

Name of County or County Borough (or Country in the case of persons residing elsewhere than in England and Wales) to be inserted in these headings.	Bury.	Lanc'shire C.C.	Manch'str	Eccles.	Rochdale.	Bolton.	Cheshire	Total.
A. Number of persons from each area dealt with during the year at or in connection with the out-patient Clinic for the first time and found to be suffering from :—								
Syphilis	30	28	..	..	..	..	..	58
Soft Chancre.....	1	3	..	..	..	..	..	4
Gonorrhœa	20	44	1	1	..	..	..	66
Conditions other than venereal.....	5	4	..	..	..	..	..	9
Total.....	56	79	1	1	..	..	..	137
B. Total number of attendances at the out-patient Clinic of all patients residing in each area	978	963	3	6	49	8	10	2017
C. Aggregate number of "In-patient days" of all patients residing in each area.....	..	..	..	..	..	..	..	..
D. Number of doses of Arsenobenzol compounds given in the :—								
{ 1. Out-patient Clinic								
{ 2. In-patient Dept. to								
{ patients residing in								
{ each area								
	240	209	..	..	19	..	8	476
E. Give the names of arsenobenzol compounds used in the treatment of syphilis and the usual initial and final doses	Novarsenobillon, 0.45 gm. and 0.6 gm.							
F. State the amount and kind of treatment usually administered to a case of Syphilis of each of the types usually dealt with at the Treatment Centre.	(1) Eight intravenous injections of N.A.B. 0.45, 0.6, 0.6, 0.6, 0.6, rest 0.6, 0.6, 0.6, 0.6 In certain cases 0.3 is the initial dose, in other cases 0.75 or occasionally 0.9 is the final dose. (2) Each week Hydrarg. $\hat{c}$. Creta gr. 2 is given. (3) In later Syphilis Bi. intramuscularly is given. (4) Children are given Sulfarsenol.							
G. State the nature of tests applied in deciding as to discharge of patients referred to in Item 5 on previous page	As in Memo. V ²¹ , but no culture or complement fixation test is made.							

OPHTHALMIA NEONATORUM.

Eight cases of this disease were notified during the year, all being treated in their own homes. In seven instances the vision was unimpaired, and there was one death.

TUBERCULOUS DISEASES.

Pulmonary Tuberculosis caused 45 deaths, of which 43 had been notified by doctors. The rate of mortality was 0.79 per 1,000.

Eight deaths occurred from Non-Pulmonary Tuberculosis, of which all had been notified.

Institutional treatment is given to cases of Tuberculosis at the Tuberculosis Dispensary, at the Bury and District Joint Hospital Board's Institution (the Aitken Sanatorium at Holcombe, near Ramsbottom), the Bury Infirmary, the Manchester and Salford Hospital for Skin Diseases, and the Shropshire Orthopædic Hospital, Oswestry.

The Aitken Sanatorium was opened in August, 1910, and the Bury Tuberculosis Dispensary on October 15th, 1914.

THE TUBERCULOSIS DISPENSARY.

The Tuberculosis Dispensary is situated in the Wylde, Bury, and was formerly the Prince's Club. It is situated in the centre of the town quite close to the main tram routes and the railway stations. The building was kindly presented to the town by the Earl of Derby.

The two wards contain eight beds each, half of which number are, by arrangement with the Lancashire County Council, for the sole use of patients from outside the Borough.

The Out-Patient Department is used by the Lancashire County Council on certain half-days per week, when one of their Tuberculosis Officers is in attendance.

NON-PULMONARY TUBERCULOSIS.

An agreement was entered into between the Bury Corporation and the Bury Infirmary in July, 1920, under which cases of Non-Pulmonary Tuberculosis occurring in the Borough are treated at that Institution. Cases have also been treated at the Shropshire Orthopædic Hospital.

TUBERCULOSIS OF THE SKIN.

Arrangements were made, at the commencement of the year 1921, with the Manchester and Salford Hospital for Skin Diseases, whereby patients from the Borough suffering from Tuberculosis of the Skin could attend and receive appropriate treatment. Under these arrangements ten patients have been treated during the year.

The following table gives the number of patients treated and the number of patient days in the various institutions :—

	No. of Patients.	No. of Days.
Dispensary	32	2133
Aitken Sanatorium	54	5226
Bury Infirmary	14	753
Shropshire Orthopædic Hospital	1	79

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the period from the 30th December, 1923, to 3rd January, 1925.

AGE PERIODS.	NUMBER OF NOTIFICATIONS ON FORM A.													NUMBER OF NOTIFICATIONS ON FORM B.				NO. OF NOTIFICATIONS ON FORM C.		
	PRIMARY NOTIFICATIONS.													PRIMARY NOTIFICATIONS.				Total notifications (i.e., including cases previously notified by other Doctors).	Poor Law Institutions.	Sanatoria
	Total notifications (i.e., including cases previously notified by other Doctors).													Total.						
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and upwards.	Total.	Under 5	5 to 10	10 to 15					
Pulmonary Males...	—	—	—	1	3	6	9	7	5	5	—	36	39	—	—	—	1	26 (14)		
„ Females	—	—	1	2	4	4	9	11	3	1	1	36	39	—	—	—	2	18 (10)		
Non-pulmonary Males...	—	5	4	—	4	1	1	2	—	—	—	17	22	—	—	—	—	9		
„ Females	2	—	2	3	—	2	—	—	—	—	—	9	9	—	—	—	—	5		

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

SUPPLEMENTAL RETURN.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health or Chief (Administrative) Tuberculosis Officer during the period from the 30th December, 1923, to 3rd January, 1925, **otherwise** than by notification on Form A or Form B under the Public Health (Tuberculosis) Regulations, 1912.

Age periods :	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and upw'rds	Total Cases.
Pulmonary Males.....	—	—	—	—	—	—	—	2	—	—	—	2
" Females ...	—	—	—	—	—	1	—	—	—	—	—	1
Non-pulmonary Males...	—	—	—	—	—	—	—	—	—	—	—	—
" Females.	—	—	—	—	—	—	—	—	—	—	—	—

SMALLPOX.

No case of Smallpox occurred during the year; the last case notified in the Borough was on March 15th, 1916.

SMALLPOX AND VACCINATION.

The following table gives particulars of the state, as regards vaccination, of children born in each of the years 1918 to 1924:—

COUNTY BOROUGH OF BURY.

	Totals 1918	Totals 1919	Totals 1920	Totals 1921	Totals 1922	Totals 1923	Totals 1924
Births	748	786	1165	1148	982	921	905
Vaccinated	238	255	298	239	209	239	204
Insusceptible of Vaccination ...	3	0	1	1	2	0	3
Conscientious Objection Certificates	398	388	652	674	604	523	524
Dead, Unvaccinated...	45	64	92	90	76	67	51
Postponed by Medical Certificate	12	13	23	21	19	16	22
Removal to districts known.....	0	4	7	40	10	14	17
Removal to districts unknown.....	6	3	10	28	11	8	8
Unaccounted for	46	59	82	55	51	54	76

Table showing percentage of Vaccination, and also comparison with the years 1918, 1919, 1920, 1921, 1922, 1923:—

	Year ending December 31st,						
	1918	1919	1920	1921	1922	1923	1924
Number of Births ...	748...	786...	1165...	1148...	982...	921 ...	905
Vaccinated	31.82...	32.44...	25.58...	20.82...	21.28...	25.95 ...	22.54
Con. objection Certs.	53.21...	49.37...	55.97...	58.71...	61.51...	56.79 ...	57.09
Unaccounted for ...	6.15...	7.51...	7.04...	4.01...	5.19...	5.86 ...	8.40

The proportion of vaccinated children, which showed a slight increase in 1923, has diminished in the year under review by 3.4 per cent. The percentage of children vaccinated in 1924 was only 22.54 of those born during the year. I called attention to the seriousness of this in my previous report. Taking into consideration the number of cases of Smallpox which have occurred in this country during the last few years, we have been decidedly fortunate in not having it introduced into the town.

BACTERIOLOGICAL EXAMINATIONS.

The following are the particulars of the specimens examined during the year at the Public Health Laboratory, Manchester :—

	Positive	Negative	Doubtful	Total
Diphtheria	6	46	0	52
Typhoid Fever	0	1	0	1
Sputum for Tuberculosis	28	63	0	91

ANTITOXIN.

Towards the end of the year 1910 sanction was obtained from the Council to supply the medical practitioners of the district with Antitoxin free, for patients suffering from Diphtheria within the Borough.

HOSPITAL ACCOMMODATION AND AMBULANCE FACILITIES.

Cases of infectious disease, including Smallpox, requiring removal are sent to the Hospitals under the control of the Bury and District Joint Hospital Board, viz. :—Ainsworth Hospital, near Bolton, for Smallpox, and the Florence Nightingale Hospital, Bury, for other infectious diseases. General Hospitals in the district are the Bury Infirmary and the Union Hospital, Bury.

The Bury and District Joint Hospital Board own two motor ambulances, which are used for the removal of cases of Infectious Disease, and patients suffering from Tuberculosis. The Bury Corporation own two motor ambulances, which are used for the removal of accident cases and cases of serious illness requiring hospital treatment.

NURSING FACILITIES.

The Bury Branch of Queen Victoria's Jubilee Institute for Nurses provides Nurses for the sick poor in their own homes. The Corporation have also made arrangements with the Institute for the nursing of cases of Measles, Ophthalmia Neonatorum, Epidemic Diarrhœa, Whooping Cough, and Poliomyelitis.

COMMON LODGING HOUSES.

The number of Common Lodging Houses in the Borough is 14, which provide 275 beds.

HOUSES LET-IN-LODGINGS.

("Furnished Rooms.")

The number of houses now on the register is 31. 149 rooms of these houses are let off as furnished apartments, giving accommodation for 343 adults and 61 children.

PETROLEUM ACTS.

Under these Acts two licences have been granted for the storage of benzine and benzoline, sixty-nine for petrol, and nineteen for calcium carbide. In all cases the petrol is kept in metal vessels and drums in properly constructed stores. The stores for petrol are 33 underground tanks, fitted with pumps, 14 for storage in barrels, and 22 for storage in two gallon tins, one in tanks above ground (for benzine). The calcium carbide is kept in metal vessels with airtight lids, in dry places, generally in the shops and warehouses. In ten cases the carbide is used for the generation of acetylene gas for welding and nine for lighting purposes.

EXPLOSIVES ACTS.

Sixty-one persons were registered for the sale of explosives during the year as required by these Acts, being for the sale of fireworks or mixed explosives, &c. The sale of fireworks only lasts for about two or three weeks, i.e., the last week in October and the first and second weeks in November. During this period the shops were visited, and the fireworks were found to be stored with few exceptions in accordance with the regulations made, dummy fireworks being exposed in the windows. Gunpowder is sold by the ironmongers and locksmiths, and is kept in safes in small quantities.

CANAL BOAT ACTS, 1877 and 1884.

The work of inspection of the canal boats is carried out by Inspector Kay. No boats registered under the above Acts visited the Wharf at Bury Bridge during the year. Eight visits were paid to the Wharf.

SMOKE OBSERVATIONS.

295 smoke observations of the mill chimneys situated within the Borough have been taken, each being of 30 minutes' duration. The aggregate amount of black smoke evolved was 272 minutes, which is equal to an average of 0.92 minutes for each observation. The time limit (2 minutes in 30) permitted by your Council has been exceeded in 4 instances by 4 firms, this being equal to 1.35 per cent. of the total observations taken, the aggregate amount of black smoke emitted by these firms being 33 minutes, which is equal to an average of 8 minutes and 15 seconds for each observation. The average amount of black smoke emitted by the chimneys under the limit was equal to 0.92 minutes.

27 firms equalled the limit of 2 minutes.

After the observation has been made the usual course has been taken, viz., to send a notification of the amount of black smoke emitted to the firm, and in cases where the limit has been exceeded the works have been visited in order to see if there were any defects in the boilers, &c., which may have caused the nuisance, this course being much appreciated by the owners, as it enables them to trace or check the cause of the nuisance.

The following table gives the results of the four observations exceeding the limit :—

	Black mins.		Moderate mins.		None mins.
*P.S. Co.	14		8		8
*J.K. & S.	4		5		21
*A.W. & S.	9½		18½		2
*P.M. Co.	5½		14½		10

* Legal notice served.

DISINFECTION.

The following is a summary of the disinfection carried out during the year in the reported cases of Infectious Diseases :—

320 rooms in 216 houses were disinfected with the fumes of either sulphur or formaldehyde, and the walls of 470 rooms in 216 houses sprayed with a solution of formalin.

80 rooms in 52 houses have been disinfected with the fumes of formalin or sulphur, and the walls of 130 rooms in 52 houses sprayed with a solution of formalin, after the occurrence of deaths from or the removal of cases of Phthisis.

Nine parcels of infected clothing and 48 sets of infected bedding have been disinfected by steam.

Two schools have been disinfected.

MILK AND CREAM REGULATIONS, 1912 and 1917.

The following is a report made by Mr. Cass, Food and Drugs Inspector, with regard to the above Regulations, for the year 1924 :—

1. MILK AND CREAM not sold as preserved Cream.

	Number of samples examined for the presence of a preservative.	Number in which a preservative was reported to be present.
Milk	81	Nil.
Cream	1	Nil.

2. CREAM sold as preserved Cream :—One.

HOUSING.

Number of new houses erected during the year :—

(a) Total	102
(b) With State assistance under the Housing Acts, 1919, 1923, or 1924—	
(i.) By the Local Authority	0
(ii.) By other bodies or persons	80

1. *Unfit dwelling-houses.*

Inspection—(1) Total number of dwelling-houses in- spected for housing defects (under Public Health or Housing Acts)	60
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	9

(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	9
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	30
 2. <i>Remedy of Defects without Service of formal Notices.</i>	
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	58
 3. <i>Action under Statutory Powers.</i>	
A.—Proceedings under Section 28 of the Housing, Town Planning, &c., Act, 1919.	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	<i>nil</i>
(2) Number of dwelling-houses which were rendered fit :—	
(a) by owners	<i>nil</i>
(b) by Local Authority in default of owners	<i>nil</i>
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	<i>nil</i>
 B.—Proceedings under Public Health Acts.	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	2
(2) Number of dwelling-houses in which defects were remedied :—	
(a) by owners	2
(b) by Local Authority in default of owners	<i>nil</i>

C.—Proceedings under Sections 17 and 18 of the Housing, Town Planning, &c., Act, 1909.

(1) Number of representations made with a view to the making of Closing Orders	9
(2) Number of dwelling-houses in respect of which Closing Orders were made	9
(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit... ..	1
(4) Number of dwelling-houses in respect of which Demolition Orders were made	<i>nil</i>
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders	<i>nil</i>
(6) Number of dwelling-houses demolished in pursuance of informal notices	2

NUISANCES.

Number of Closing Orders served	9
„ Legal Notices served	12
„ Preliminary Notices served	26
„ Letters in lieu of Notices	364
„ Verbal Notices	271
„ Letters sent other than Notices ...	307

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES, AND HOMEWORK.

1.—INSPECTION

Including inspections made by Sanitary Inspectors.

Premises.	Number of		
	Inspections.	Written Notices	Prosecutions.
Factories (including Factory Laundries).....	167	8	—
Workshops (including Workshop Laundries)	85	5	—
Workplaces (other than Outwork's Premises).....	129	18	—
Total.....	381	31	—

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions
	Found.	Remedied.	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :—</i>				
Want of Cleanliness	1	1	..	..
Want of Ventilation	..	..	..	..
Overcrowding	1	1	..	..
Want of drainage of floors	..	..	..	..
Other Nuisances.....	57	57	..	..
Sanitary accommodation { Insufficient	8	8	..	..
{ Unsuitable or defective	14	13	..	..
{ Not separate for sexes	2	2	..	..
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bake-house (S. 101)	..	..	..	..
Other offences (excluding offences relating to Outwork) and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921.....	..	..	..	..
Total	83	82	..	..

REPORT ON THE INSPECTION OF MEAT AND OTHER FOODS, 1924.

RAILWAY CATTLE DOCKS.

The number of animals which arrived in the Borough during the past year is as follows:—

Beasts.	Sheep and Lambs.	Pigs.	Calves.	Total.
4680	 20601	 2488	 0	 27769

ABATTOIRS.

During the past year the various animals, carcasses, &c., passing through the Abattoirs have been carefully examined, both before and after slaughter. The quality has been of a uniformly high standard. During the first four months of the year there was a decrease in the number of animals brought to the Abattoirs owing to Foot and Mouth Disease restrictions; on several occasions animals were held up and slaughtered at the port of landing.

NUMBER OF ANIMALS SLAUGHTERED AT THE ABATTOIRS.

	Beasts.	Sheep & Lambs.	Pigs.	Calves.	Total.
January	363	1459	272	61	2155
February	475	1685	339	46	2545
March	344	1047	213	24	1628
April	314	1127	260	30	1731
May	367	1916	283	18	2584
June	230	2075	163	23	2491
July	285	2760	204	36	3285
August	252	1841	152	38	2283
September... ..	321	1875	283	56	2535
October	456	2099	419	81	3055
November	401	1493	430	50	2374
December	423	1478	734	58	2693
Total, 1924 ...	4231	20855	3752	521	29359
Total, 1923 ...	4418	21436	3523	663	30040

Table showing extent of Tuberculous Diseases and Weight of Diseased Meat Destroyed, year ending
December 31st, 1924.

Kind of Animal.	Number Examined.	EXTENT OF TUBERCULOSIS IN ANIMALS EXAMINED.														OTHER DISEASES.			
		Of which were Tuberculous	Heads.	THORAX.			ABDOMEN.							Udders	Entire Carcasses Condemned owing to Tuberculosis	Weight of Meat and Offal destroyed on account of Tuberculosis	Weight of Meat and Offal destroyed on account of other diseases.	Total Weight of Meat destroyed for all diseases.	
				Lungs	Hearts and Pericardium	Serous Membranes	Livers	Stomachs	Spleens.	Kidneys	Intestines	Uteri	Serous Membranes						Mesenteries
Beasts	Bulls ...	825	14	...	...	...	...	...	...	...	...	...	...	...	...	1 Bull.	lbs.	lbs.	lbs.
	Oxen ...	2449	18	...	...	...	...	...	...	...	...	...	...	...	...	3 Oxen.	...	...	...
	Cows ...	185	81	29	64	5	31	41	9	9	9	8	...	12	21	1	8713	2664	11877
	Heifers	822	6	...	...	...	...	...	...	...	...	...	...	...	...	3 Heifers	...	...	...
			—	...	...	...	...	...	...	...	...	...	...	...	...	—	...	...	...
		4231	69	...	...	...	...	...	...	...	...	...	...	...	...	8	...	...	...
Sheep ...	20855	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	908	908
Pigs.....	3752	151	129	141	...	10	131	...	12	6	...	...	...	...	8	7 pigs	4553	1156	5709
Calves...	521	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	40	40
	29359	220	158	205	5	41	172	9	21	15	3	...	12	29	1	15	13266	4768	18034

During the year 392 carcasses required special examination, of which number 220 were affected with Tuberculosis in varying degree as set out in table appended.

Bulls were affected in a more or less degree to the extent of 1.7%				
Oxen	„	„	„	0.7%
Cows	„	„	„	23.0%
Heifers	„	„	„	0.7%
Pigs	„	„	„	4.0%

The percentage of meat (all classes) destroyed on account of Tuberculosis was :—

Beef, 0.25%. Pork, 0.5%.

It was also found necessary to condemn and destroy (for causes other than Tuberculosis) the entire carcasses and organs of 2 beasts, 12 sheep, 5 pigs, and 1 calf.

On six occasions the Inspector has been called upon to examine carcasses slaughtered in emergency. In two cases slaughter had been performed sufficiently early to enable the carcass being sold for food. In the other four cases, the carcasses and organs were surrendered and destroyed.

During the year the butchers' shops, fish shops, markets and food preparing places, &c., have been constantly kept under supervision, regular and frequent visits having been paid to same, the meat, fish, &c., coming under observation having, with a few exceptions, been satisfactory.

One person was prosecuted during the year for exposing diseased meat for sale. A fine of £35 was imposed.

DAIRIES, COWSHEDS, AND MILKSHOPS.

259 visits have been made.

Applications for registration received under the Milk and Dairies (Amendment) Act, 1922, were as follows :—

- (a) 51 from Producers to sell milk by retail.
- (b) 20 from Shopkeepers to sell milk by retail.

- (c) 18 from Roundsmen to sell milk by retail.
- (d) 49 from Roundsmen to sell milk by retail (from outside the Borough).

Minimum requirements for retail milk sellers have been laid down as follows:—

- (a) and (c) To provide adequate milk-store or dairy separate from shippon or house.
- (d) To comply with the regulations in force in the Borough and also in the district in which their respective premises are situate.
- (b) Registration shall be refused where in addition to milk
 - (1) Articles attracting flies, e.g., open jams, open sugar, jam tarts, soft fruit, or
 - (2) Articles with strong odours and creating dust, e.g., open pickles, paraffin, &c., firewood, &c., are also exposed for sale.

Definite progress has been made in complying with the conditions laid down, and it is hoped to have the registration complete during the current year.

OFFENSIVE TRADES.

No complaints have been received, and the work has been carried on with the minimum of nuisance.

KNACKER'S YARD.

During the year the slaughterhouse was re-constructed, and is now satisfactory.

The carcasses dealt with at the yard were—

143 beasts, 114 horses.

Of the cattle, 95, or 66.4 per cent., were returned as Tuberculous; and 48, or 33.6 per cent., as due to some other cause.

CONTAGIOUS DISEASES (ANIMALS) ACTS.

FOOT AND MOUTH DISEASE.

During the first four months of the year, the Borough remained part of a scheduled area, and movement of animals was only allowed under licence.

In the Borough one case was reported and confirmed, the whole of the stock on the farm being slaughtered under the direction of the Ministry of Agriculture and Fisheries, the premises being afterwards thoroughly disinfected.

ANTHRAX.

Two cases were reported, but a microscopical examination of the blood proved to be negative in each case.

SWINE FEVER.

One case was reported to the Ministry, but was not confirmed.

PARASITIC MANGE.

One case was reported and confirmed. The animal was destroyed and premises disinfected. The owner was prosecuted and convicted for failing to notify the existence of the disease.

SUMMARY OF VISITS OF THE HEALTH VISITORS.

- 883 visits to houses where births have been registered.
- 3061 re-visits to children under one year of age.
- 6982 „ „ over one and under five years
- 144 visits to expectant mothers
- 204 re-visits „ „
- 63 visits to houses in which deaths of infants under one year of age have occurred.
- 3806 re-visits to babies during the summer diarrhœa season.
- 247 visits to Mothers' Welcome.
- 464 visits to homes in which cases of suspected Measles, Whooping Cough, Ringworm, &c., existed.
- 82 visits to houses in which cases of Tuberculosis have been notified.
- 1632 re-visits „ „ „ „ „ „ „
- 299 visits and re-visits to houses in which cases of Chicken-pox have been notified.
- 22 visits and re-visits to cases of Ophthalmia Neonatorum.
- 2 visits and re-visits to cases of Puerperal Fever.
- 72 visits to Midwives.
- 708 visits re applications for free milk.
- 8 „ „ for extra nourishments.
- 39 „ to houses for disinfection.
- 9 „ to outworkers.
- 15 „ to Tuberculosis Dispensary.

SUMMARY OF VISITS OF THE SANITARY INSPECTORS.

Infectious and contagious diseases	441
Common lodging-houses	590
Houses let in lodgings	702
Factories and Workshops	381
Canal boats (wharf)	8
Public Buildings	22
Re Premises to cleanse	72
„ „ repair	374
„ Houses damp	18
„ „ overcrowded	8
„ „ insufficient water supply	59
„ „ defective water pipes and fittings... ..	9
„ „ „ gas pipes and fittings	14
„ Flooded cellars	19
„ Defective rain-water spouts and eaves-gutters.	254
„ Drains choked, dilapidated, and untrapped ...	1052
„ Testing drains and fittings... ..	8
„ Defective waste pipes	38
„ Water closets	787
„ Privy middens and ashpits	816
„ Manure	48
„ Accumulation of refuse	57
„ Animals kept as to be a nuisance	32
„ Defective and foul yard pavements	3
„ Defective walls	6
„ Defective cellar areas	—
„ Defective chimney flues	19
„ Premises infested by rats	18
„ Effluvium nuisance	24
„ Inspections under the Housing, Town Planning, &c., Acts	17
„ „ „ Poisons & Pharmacy Acts	5
„ „ „ Petroleum Acts (petrol stores, &c.)	234
„ „ „ Explosives Acts	55
„ „ Breach of Byelaws... ..	4
„ Work in progress	676
„ Appointments and nuisances of a general character	806

ANNUAL REPORT OF THE BOROUGH ANALYST.

ANALYTICAL LABORATORIES,

54, ARCADE CHAMBERS, ST. MARY'S GATE,

MANCHESTER,

January 31st, 1925.

*To the Chairman and Members of the Health Committee
of the Corporation of Bury.*

Gentlemen,

I have pleasure in submitting you my report upon the examination of the samples received by me from your Inspector, Mr. H. Cass, during the year ended December 31st, 1924.

These samples numbered 150, and comprised the following articles:—

Milk	81 samples.
Condensed Milk	6 „
Butter	2 „
Cream	2 „
Cheese	4 „
Lard	2 „
Margarine	4 „
Coffee	2 „
Cocoa	2 „
Flour	4 „
Oatmeal	2 „
Mustard	2 „
Pepper	2 „
Vinegar	1 sample.
Spirits	8 samples.
Meats	6 „
Fruit Jelly	2 „
Custard Powder	2 „
Cornflour	1 sample.
“ Lemon Cheese ”	1 „
Drugs	14 samples.

Of these samples, 89, namely, the samples of milk and spirits, were formally, and the remainder informally taken.

With three exceptions the samples of milk were found to be genuine, clean and free from preservatives. Three, however, were found to contain 8.7 per cent., 12.95 per cent., and 5.52 per cent. of added water. The vendors were prosecuted and fined £5 in each case.

The samples of condensed milk were found to be of standard quality and duly labelled as required by the Condensed Milk Regulations, 1923.

Of the two samples of cream, one was fresh cream and the other preserved cream, containing 0.29 per cent. boric acid. This was duly declared as required by the "Milk and Cream Regulations, 1912-1917."

The four samples of margarine contained 0.18 per cent., 0.22 per cent., 0.24 per cent., and 0.21 per cent. respectively. These amounts are within the limits allowed, and were declared and labelled as required by the Regulations.

Of the eight samples of spirits, only one was found to be of legal strength. The others contained an excess of water. The legal limit of dilution is 35 degrees under proof. The samples were diluted to form 37 to 39 degrees under proof. The vendors were cautioned.

Of the six samples of meat three, namely, one of tongue, one of corned beef, and one of mincemeat, were free from preservatives, but the samples of potted meat and sausage contained 0.069 per cent. and 0.12 per cent. of boric acid, and the sample of boiled mutton contained a small quantity of soluble sulphites. The amount of these preservatives was not excessive, and the foods were "sweet" and wholesome.

The custard powers consisted of starch, with the addition of a small quantity of a yellow colouring matter. The starch in one case was maize, with a little farina, and in the other wholly maize

starch. The object of the colouring matter is to imitate the colour of the egg yolk on preparing the powders for cooking.

The fourteen samples of drugs received were as follows:—
Oil of almonds, glycerine (2), potassium chlorate, boracic acid, olive oil, mustard oil, syrup of figs, camphorated oil, ammoniated tincture of quinine, paregoric elixir, compound syrup of glycerine, lemon and ipecacuanha, and compound tincture of Indian Bark. These samples were found to be pure or otherwise in accordance with the requirements of the British Pharmacopœia, except the latter, which is a non-official proprietary medicine free from poisonous alkaloids.

The general quality of the samples of milk may be taken as good.

The adulterated samples were 10, or equivalent to 6.66 per cent.

I remain,

Yours faithfully,

THOS. J. HUTCHINSON,

Borough Analyst.

Type of Nuisance dealt with.

Type of Nuisance dealt with.	1919.					1920.					1921.					1922.					1923.					1924.				
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E					
Damp, due to being built against an embankment.....	3	7	15	1	1	1	8	1	1	1	1	8	1	1	1	3	3	3	3	3	1	3	7	1	1					
Damp walls, built without damp-proof course or defective	14	15	34	3	3	14	17	10	1	1	14	17	10	1	1	11	11	11	11	11	2	7	14	2	2					
Damp, due to defective roofs.....	10	10	34	3	3	17	18	22	3	3	14	14	14	6	6	14	14	14	14	14	1	17	17	1	1					
Damp, due to defective eaves gutters and spouts	35	37	55	2	2	48	59	28	1	1	111	130	129	2	2	96	102	100	1	1	95	115	113	1	1					
Premises to cleanse.....	50	57	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	6	6	6	6	6					
" " to repair.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	3	3	3	3	3					
" " overcrowded.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	3	3	3	3	3					
Defective gas pipes or fittings in houses	7	7	7	7	7	8	8	14	1	1	17	19	19	1	1	21	24	28	2	2	15	15	15	15	15					
" " water pipes.....	7	7	7	7	7	6	7	5	1	1	13	13	13	1	1	18	18	62	4	4	13	13	13	13	13					
Insufficient water supplies.....	6	6	6	6	6	10	10	9	1	1	11	11	11	6	6	16	16	16	4	4	10	10	10	10	10					
Defective chimney flues in houses.....	26	27	18	8	2	31	31	22	4	9	19	21	19	6	6	33	33	35	5	5	40	40	40	40	40					
Animals kept as to be a nuisance.....	5	6	6	6	6	6	6	6	6	6	12	13	14	1	1	14	17	20	2	2	12	12	12	12	12					
Accumulation of refuse.....	2	2	2	2	2	20	22	22	2	2	20	40	43	4	4	30	44	43	2	2	13	16	18	19	19					
Defective yard surface.....	10	11	11	11	11	55	3	3	3	3	59	66	43	4	4	62	44	43	2	2	5	5	5	5	5					
Foul " ".....	51	6	6	6	6	7	92	23	2	2	14	14	67	6	6	11	14	20	1	1	21	20	25	25	25					
Dangerous places, cellar areas, fences, &c.....	8	9	48	3	1	87	92	23	2	2	14	14	67	8	8	17	16	79	1	1	21	20	25	25	25					
Choked street grids.....	50	57	64	3	1	61	66	71	8	8	61	66	71	8	8	75	81	94	7	7	78	84	99	99	99					
" " cellar drains.....	32	38	41	2	1	54	83	107	4	4	44	62	72	1	1	34	42	59	2	2	42	60	95	1	1					
" " passage drains.....	36	38	47	2	2	49	56	56	1	1	43	52	62	2	2	37	41	41	4	4	31	32	51	41	41					
" " yard drains.....	20	23	26	2	2	46	58	49	3	3	29	31	30	1	1	52	61	45	2	2	49	71	61	4	4					
" " waste water closet drains.....	21	21	20	3	3	24	25	29	3	3	35	55	55	1	1	21	21	24	2	2	44	53	119	1	1					
" " rainwater spout drains.....	8	9	4	3	2	5	5	5	5	5	10	10	7	2	2	6	6	3	2	2	6	6	3	2	2					
Defective drains.....	23	27	25	2	2	11	11	11	1	1	2	2	2	1	1	6	6	3	2	2	2	2	2	2	2					
Drains inside premises.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Insanitary traps connected to drains.....	23	27	25	2	2	11	11	11	1	1	2	2	2	1	1	6	6	3	2	2	2	2	2	2	2					
Defective waste pipes.....	47	55	49	2	2	64	80	84	2	2	77	91	93	1	1	127	147	132	4	4	107	126	77	3	3					
" " fittings, sinks and basins.....	37	47	56	2	2	29	42	48	2	2	39	65	72	2	2	79	85	112	4	4	62	74	77	3	3					
" " rainwater spouts.....	8	9	12	2	2	5	5	6	2	2	6	6	6	2	2	30	32	39	2	2	23	27	28	6	6					
eaves gutters.....	21	27	25	10	1	31	39	41	14	3	20	25	25	8	8	30	32	39	2	2	23	27	28	6	6					
Premises without spouts or gutters.....	31	47	74	2	2	29	37	72	4	4	57	76	132	1	1	47	61	131	2	2	37	50	63	2	2					
Premises with an insufficient closet accommodation.....	10	16	24	2	2	5	5	9	3	3	4	5	6	1	1	11	18	20	2	2	13	20	18	5	5					
Closets structurally defective.....	11	15	19	1	1	18	21	40	3	3	41	42	59	3	3	28	29	40	1	1	24	27	49	2	2					
Closets dirty and foul approaches.....	19	25	53	1	1	14	16	31	3	3	31	41	66	2	2	51	59	143	2	2	10	10	15	1	1					
Water closet cisterns out of order.....	4	9	18	2	2	11	16	11	3	3	11	14	17	2	2	5	7	12	4	4	16	21	34	1	1					
" " water pipe burst.....	8	9	9	1	1	2	3	3	1	1	2	2	4	1	1	3	5	5	1	1	2	2	2	2	2					
" " without a water supply.....	1	1	1	1	1	2	3	3	1	1	2	2	4	1	1	3	5	5	1	1	2	2	2	2	2					
" " defective pedestal.....	3	3	3	3	3	5	6	5	1	1	5	5	5	4	4	4	4	4	4	4	7	7	7	7	7					
" " defective flush pipes.....	2	2	2	2	2	5	6	5	1	1	5	5	5	4	4	4	4	4	4	4	7	7	7	7	7					
" " defective soil pipes.....	4	4	4	4	4	6	10	9	6	6	6	10	9	6	6	6	10	9	6	6	6	10	9	6	6					
" " defective vent pipes.....	57	58	61	1	1	65	69	73	1	1	59	59	65	2	2	45	49	48	1	1	33	33	37	1	1					
" " insanitary urinals.....	35	40	42	2	2	39	46	134	2	2	38	102	50	154	2	29	79	41	121	2	76	171	229	3	3					
" " insufficiently lighted and ventilated.....	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16					
Waste water closet tipplers out of order.....	20	25	52	8	8	38	62	68	4	4	30	53	68	1	1	11	15	21	1	1	18	29	41	1	1					
Insanitary Water Closets.....	33	33	72	8	8	39	46	85	3	3	48	56	123	1	1	37	37	113	1	1	16	16	38	2	2					
Offensive privy closets and middens.....	29	45	85	8	8	11	15	29	3	3	14	25	77	3	3	11	15	45	1	1	16	18	36	1	1					
Defective privy closets.....	7	7	7	7	7	19	21	14	6	6	21	21	21	6	6	21	21	21	6	6	21	21	21	6	6					
Defective pail closets.....	6	8	8	8	8	38	62	68	4	4	30	53	68	1	1	11	15	21	1	1	18	29	41	1	1					
Defective ashbins.....	20	25	52	8	8	39	46	85	3	3	48	56	123	1	1	37	37	113	1	1	16	16	38	2	2					
Insufficient ashbins.....	33	33	72	8	8	11	15	29	3	3	14	25	77	3	3	11	15	45	1	1	16	18	36	1	1					
Asphits without proper doors.....	29	45	85	8	8	11	15	29	3	3	14	25	77	3	3	11	15	45	1	1	16	18	36	1	1					
Asphalt doors without proper fastenings.....	7	7	7	7	7	19	21	14	6	6	21	21	21	6	6	21	21	21	6	6	21	21	21	6	6					
Asphits to cleanse.....	7	7	7	7	7	19	21	14	6	6	21	21	21	6	6	21	21	21	6	6	21	21	21	6	6					
Breach of Bye-Laws or Factory Acts.....	7	7	7	7	7	19	21	14	6	6	21	21	21	6	6	21	21	21	6	6	21	21	21	6	6					
Miscellaneous.....	7	7	7	7	7	19	21	14	6	6	21	21	21	6	6	21	21	21	6	6	21	21	21	6	6					

A—No. of Notices. B—No. of Nuisances. C—No. of dwellings/houses affected. D—No. of factories and workshops affected. E—No. of other premises affected.

TABLE II.

Table showing the Type and Number of Conveniences in the Borough in 1924.

	Moorside.	East.	Redvales.	Church.	Elton.	Totals.
Number of Dwelling-houses	3723	3007	2878	1473	3384	14465
„ „ Factories	33	60	44	41	54	232
„ „ Workshops and Lock-up Shops	43	58	60	219	64	444
„ „ Public Institutions and Places	24	24	27	34	14	123
„ „ Water Closets... ..	2138	1824	1818	1386	1409	8575
„ „ Waste Water Closets... ..	927	627	820	184	599	3157
„ „ Privy Closets	855	650	913	206	1449	4073
„ „ Pail Closets	69	31	84	62	299	545
„ „ Tank Closets	—	—	2	2	4	8
„ „ Dry Ashpits	912	604	500	251	498	2765
„ „ Ashbins	781	663	614	518	716	3292

TABLE IV.
THE BURY AND DISTRICT JOINT WATER BOARD.
RAINFALL AT WORKSHOP YARD, PARSONS LANE.

	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924
January...	2.09	3.48	5.88	6.72	3.34	3.45	3.29	3.56	2.13	5.39	2.22	4.26	2.86	5.65	1.59	4.87	4.95	2.98	6.22	3.47	3.63	3.79	5.35	5.02	7.37	4.76	4.62	3.74
February	2.67	3.84	1.66	3.80	1.84	1.94	3.87	3.86	2.43	3.71	2.74	3.87	2.67	4.27	5.02	1.71	1.73	2.64	5.04	4.75	1.53	5.87	1.19	4.75	0.50	5.26	6.84	1.33
March ..	4.14	2.14	2.73	0.68	2.28	2.48	4.72	2.57	3.44	3.51	3.82	3.37	3.39	0.88	2.11	6.46	5.02	5.83	1.89	2.37	2.99	2.13	7.06	3.74	3.64	3.30	2.17	1.75
April	2.91	2.15	3.90	2.54	2.57	2.37	2.21	2.64	3.20	2.27	1.85	2.50	3.63	2.71	2.93	1.00	4.96	1.96	1.83	3.59	1.88	1.04	2.59	5.01	1.70	2.53	3.81	2.28
May	2.07	4.19	3.18	1.79	0.88	3.00	4.50	2.56	0.52	3.60	4.38	3.16	2.35	3.30	2.46	3.13	3.39	2.55	1.53	2.78	1.58	3.13	2.11	7.22	2.67	2.03	4.30	5.57
June	4.74	2.93	1.69	3.57	1.95	1.28	1.66	1.29	3.53	1.97	7.62	2.02	2.69	3.31	3.04	5.95	2.58	1.56	2.75	3.13	2.40	1.87	1.67	3.16	0.44	2.68	0.91	2.32
July	1.76	0.56	2.07	2.73	1.56	2.88	3.81	1.86	2.36	1.96	2.81	5.02	6.83	4.14	0.22	5.34	1.17	4.89	4.51	2.02	2.31	3.98	2.07	8.17	1.89	4.91	5.04	4.57
August ..	3.97	7.50	1.42	6.76	2.49	3.16	5.36	4.85	5.10	4.75	4.46	3.45	3.24	6.05	2.47	7.58	2.98	3.46	5.62	3.30	6.64	3.64	3.87	2.73	6.07	5.04	6.02	7.09
September	4.30	1.37	6.19	1.53	1.70	1.80	5.42	1.45	2.70	1.57	1.20	3.93	2.65	0.21	4.03	1.76	2.06	4.77	0.61	2.78	2.48	12.53	1.88	3.02	1.47	4.57	4.70	4.62
October ..	2.30	4.37	3.19	6.19	2.82	4.67	9.24	2.38	3.54	7.08	4.09	1.83	5.68	3.58	3.74	5.50	2.01	2.74	1.95	8.52	9.17	4.39	2.76	1.66	2.83	0.62	6.34	5.60
November	5.14	3.26	1.48	3.73	6.01	2.39	3.90	4.20	4.49	3.59	3.56	3.03	1.52	5.43	4.50	3.57	5.05	5.90	2.31	3.10	5.35	2.87	3.74	1.97	3.17	3.83	7.64	2.70
December	5.43	4.33	3.21	5.50	3.18	3.48	2.06	3.08	0.69	5.01	4.24	3.12	8.01	4.33	7.25	5.34	2.90	6.49	8.36	3.34	2.41	10.10	7.05	3.86	7.10	5.56	5.25	5.44
TOTAL	41.52	40.12	36.60	45.54	30.62	32.90	50.04	34.30	34.13	44.41	42.99	39.56	45.52	43.86	39.36	52.21	38.80	45.87	42.62	43.15	42.37	55.34	41.34	50.31	38.85	45.09	57.64	47.01

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