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BOROUGH OF BATLEY

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1946

WILLIAM J. FRAIN, M.B., Ch.B. (St. And.), D.P.H. (St. And.),

DEWSBURY

The Stanley Press Ltd., 27, Bradford Road,

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To His Worship the Mayor, Aldermen and Councillors of the Borough of Batley.

I have pleasure in presenting my Annual Report for 1946. It will be observed from the Report that the health of the town remained satisfactory, and that there were no epidemics.

It is pleasing to record a rise in the Birth Rate and a fall in the Death Rate.

In November, 1946, The National Health Services Act was passed. This Act will bring far reaching changes in the Health Services, but these must be considered in the next Annual Report when the proposed changes will have had time to materialise.

Owing to my illness this Report has had to be largely compiled by members of my staff and I am exceedingly grateful to them for the extra work which they have so readily undertaken.

I take this opportunity of thanking members of the Public Health and Maternity and Child Welfare Committees for their courtesy and encouragement and in particular my Chairman for his never failing readiness to help at all times.

I should also like to mention my gratitude to Dr. J. Battersby, the M.O.H. for Heckmondwike and Mirfield, who acted for me during December 1946, and who continued to do so until my return to work in the following year.

WILLIAM J. FRAIN.

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

(a) MEDICAL.

<p>Medical Officer of Health, Medical Superintendent Maternity and Child Welfare Centres, School Medical Officer and Medical Superintendent Maternity Home and Superintendent of all the Corporation Medical Services.</p>	<p>W. J. FRAIN, M.B., Ch.B., (St. And.), D.P.H. (St. And.).</p>
<p>Assistant Medical Officer of Health, M. and C.W. (part time)</p>	<p>Three temporary assistants.</p>
<p>Consulting Obstetric Surgeon</p>	<p>D. W. Currie, M.D., Ch.M. (Leeds), F.R.C.S. (Eng.), M.R.C.O.G. Resigned June, 1946. H. Agar, M.B., Ch.B. (Leeds), F.R.C.S. (Eng.), M.R.C.O.G., Commenced July/46</p>
<p>Consulting Ophthalmic Surgeon and Hon. Ophth. Surgeon Maternity Home (part time)</p>	<p>Randal Herley, B.A., L.R.C.P., L.R.C.S. (Edin.), L.R.F.P.S. (Glas.).</p>
<p>Ophthalmic Surgeon</p>	<p>Sydney K. Sledge, M.B., Ch.B., D.O.M.S.</p>
<p>Orthopædic Surgeon (part time)</p>	<p>H. L. Crockatt, M.B., Ch.B. (Leeds).</p>

(b) OTHERS.

<p>School Dentist</p>	<p>W. J. Brown, L.D.S. (V.U. Manc.). Commenced November, 1946.</p>
<p>do.. (Temporary)</p>	<p>William Parlane, L.D.S. (Glasgow) Resigned September, 1946.</p>
<p>Public Analyst (part time)</p>	<p>Fred W. M. Jaffé, B.Sc., F.I.C.</p>
<p>Senior Sanitary Inspector</p>	<p>Harold Hornby, F.R. San.I. [] † Ib Ollett Silver Medallist.</p>
<p>District Sanitary Inspectors</p>	<p>{ J. H. Raynor [] † Ib G. E. Bottomley [] † D. E. Parrington [] † Commenced Oct. 1946. Resigned Nov., 1946. W. Jennings [] † Commenced Aug., 1946.</p>
<p>Health Visitors and School Nurses</p>	<p>{ M. Hartley, § || O Resigned March, 1946. M. H. Smith, § || O Resigned September 1946. M. K. Donaghey, § || O Commenced January, 1946. D. E. Rhodes, § || O Commenced May, 1946.</p>
<p>Temporary Nurses</p>	<p>{ E. Allen § || Commenced April, 1946. C. M. Stewart, § Commenced April, 1946.</p>
<p>Masseuse</p>	<p>D. Luxton, ç Resigned April, 1946. C. Pickard, § ç Commenced April, 1946.</p>
<p>Chief Clerk</p>	<p>K. Lister</p>

Clerks	{ L. Allatt, = ¶ { A. D. Foggo, + Resigned October, 1946. { I. Wilson, = Resigned July, 1946. { J. Scott, + { M. D. L. Butler, Commenced October, 1946 { A. Archer, = Commenced Dec., 1946.			
Temporary Clerks	{ O. M. Illingworth = { Resigned August, 1946. { B. Parrington, Resigned Nov., 1946. { J. Rowley.			
Dental Attendant	A. Gallagher,			
Maternity Home	{ { { { { {	Matron I. A. Walton, § ¶ Sister A. Doughan, § ¶ Midwife R. M. Meredith, ¶ Midwife L. Toulson, ¶ Midwife D. Sowerby, ¶ Midwife A. C. Daley, § ¶ Commenced Jan., 1946. Assistant Nurse P. Smith, Services terminated Sept., 1946.		
		E. A. Fearnside, § ¶		
		F. Kitson, ¶		
		D. J. Jackson, § ¶		
		Municipal Midwives	{ M. H. Foy, ¶	

- []—Holds Certificate for Sanitary Inspectors, Royal Sanitary Institute, or Royal Sanitary Institute and Sanitary Inspectors Examination Joint Board.
- ‡—Holds Certificate for Inspectors of Meat and other Foods, Royal Sanitary Institute.
- Ib—Holds Certificate for Smoke Inspectors, Royal Sanitary Institute.
- §—Holds Certificate for three years' general training, State Registered Nurse.
- O—Holds Certificate for Health Visitors, Royal Sanitary Institute approved by Ministry of Health.
- ¶—Holds Certificate of Central Midwives' Board.
- =—Holds Northern Universities' School Leaving Certificate.
- ¶—Holds Northern Universities' Matriculation Certificate.
- ç—Holds Certificate of Chartered Society of Massage and Medical Gymnastics.
- +—Holds Senior Certificate of the College of Preceptors.

General Statistics, 1946.

Area of Batley in Acres	4,461
Number of Births (Males 380, Females 386)	766
Birth Rate	19.9
Illegitimate Births (Males 23, Females 19)	42
Number of Still Births Registered	32
Illegitimate Birth-Rate per 1,000 Registered	54.8
Number of Deaths, including Residents who died away from Batley (Males 270, Females 263)	533
Death Rate	13.9
Infantile Death-Rate per 1,000 Births Registered	45.7
Illegitimate Death-Rate per 1,000 Births Registered	3.9
Tuberculosis Death Rate (all forms) per 1,000	0.31
Phthisis Death-Rate per 1,000	0.18
Zymotic Death Rate per 1,000	0.1
Respiratory Diseases Death-Rate per 1,000 (excluding Phthisis)	1.8
Cancer Death-Rate per 1,000	2.1
Cases of Infectious Disease notified (including all forms of Tuberculosis)	495
Cases of Pulmonary Tuberculosis notified	21
Cases of other forms Tuberculosis notified	10
Number of Inquests	51
Rateable Value	£192,174
Rate of 1d. in the £ produces	£738
Rainfall in inches	31.97
Number of Wet Days	173
Poor Law Relief Distributed (including Birstall Ward)	£9,780 16s. 4d.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

AREA.—4,461 acres.

RATEABLE VALUE (1-4-46) £192,174

SUM REPRESENTED BY A PENNY RATE Estimated
£738.

SOCIAL CONDITIONS.—These have been described in
previous annual reports.

**Borough of Batley—Vital Statistics of Whole District
during 1946 and Previous Years.**

Yearly Average	Estimated Population	NETT BIRTHS		NETT DEATHS BELONGING TO THE DISTRICT			
		Number	Rate per 1,000	Under 1 Year of Age.		At all Ages.	
				Number	Rate per 1000 Nett Births	Number	Rate per 1000
10 years 1901-10	31,694	827	26.1	143	171	537	17.0
10 years 1911-20	36,435	676	20.5	93	123	571	16.0
10 years 1921-30	35,765	624	17.3	48	76	485	13.4
10 years 1931-40	36,246	493	13.5	26	53	510	14.0
Year							
1940	38,740	524	13.5	30	57.3	609	15.7
1941	38,210	550	14.4	22	39.6	534	13.9
1942	37,101	630	17.02	27	42.9	454	12.3
1943	36,160	657	18.2	35	53.3	579	16.0
1944	36,250	702	19.4	30	42.7	517	14.3
1945	36,100	598	16.6	29	48.5	529	14.6
1946	38,480	766	19.9	35	45.7	533	13.9

PROVISIONAL FIGURES 1946.

England & Wales	....	19.1	....	43	....	11.5
126 County Bor- oughs and Great Towns including London	....	22.2	....	46	....	12.7
148 Smaller Towns	....	21.3	....	37	....	11.7
LONDON	....	21.5	....	41	....	12.7

	Total	M.	F.	
Live Births—Legitimate	724	357	367	
Illegitimate	42	23	19	Birth Rate 19.9
Stillbirths	32	18	14	Rate per 1,000
				total births 40.1
Deaths	533	270	263	Death Rate 13.9
				Rate per 1,000
Deaths from puerperal causes:—		Deaths		total births
Puerperal sepsis	....	Nil		—
Other puerperal causes	....	1		1.3
Total	....	1		1.3

Death Rate of Infants under one year of age:—

All infants per 1,000 live births	45.7
Legitimate infants per 1,000 legitimate live births	44.2
Illegitimate infants per 1,000 illegitimate live births	71.4
Deaths from Cancer (all ages)	80
Deaths from Measles (all ages)	Nil
Deaths from Whooping Cough (all ages)	2
Deaths from Diarrhoea (under 2 years of age)	2

There has not been excessive mortality during the year from any of the notifiable infectious diseases.

BIRTHS.—The Registrar-General reports the registration—which is distinct from notification—of 766 births in Batley during 1946. There were 32 still births registered in addition to the live births.

NOTIFICATION OF BIRTHS ACT, 1907.—Doctors notified Nil, midwives 780, and other persons 18 births, a total of 798 during 1946. Of these 29 were still births.

INFANTILE DEATH RATE.—Of the infant deaths twenty-four were due to premature birth and/or congenital debility.

Causes of Death in Batley for the year, 1946.

1. Typhoid and Paratyphoid Fevers	—	19. Heart Disease	147
2. Cerebro-Spinal fever	—	20. Other diseases of the circulatory system	26
3. Scarlet fever	—	21. Bronchitis	38
4. Whooping Cough	2	22. Pneumonia	20
5. Diphtheria	—	23. Other respiratory diseases	11
6. Tuberculosis of respiratory system	7	24. Ulceration of the stomach or Duodenum	4
7. Other forms of tuberculosis	5	25. Diarrhoea (under 2 years of age)	2
8. Syphilitic diseases	2	26. Appendicitis	2
9. Influenza	9	27. Other digestive diseases....	7
10. Measles	—	28. Nephritis	25
11. Acute Poliomyelitis and polioencephalitis	—	29. Puerperal and post-abortive sepsis	—
12. Acute infectious encephalitis	—	30. Other maternal causes	1
13. Cancer of buccal cavity and œsophagus (males)	5	31. Premature births	11
uterus (females)	3	32. Congenital malformations, birth injury, infantile disease	13
14. Cancer of stomach and duodenum	14	33. Suicide	4
15. Cancer of breast	10	34. Road Traffic accidents	4
16. Cancer of all other sites	48	35. Other violent causes	9
17. Diabetes	4	36. All other causes	30
18. Intra-cranial vascular lesions	70		

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1—Detailed information as to the Health Services was given in the Annual Reports for 1930 and 1931. Existing conditions are summarised in this Annual Report.

(i) Full particulars of the Public Health Officers of the Authority are given at the beginning of this Report.

(ii) (a) **LABORATORY FACILITIES.**—There has been no change in the existing arrangements. Facilities are provided at the Public Health Laboratory, County Hall, Wakefield, for the examination of pathological and bacteriological specimens.

Blood films, 18 ; Bloods for Widal Reaction, 4 ; Sputa for tubercle bacilli, 36 ; Swabs for *B. diphtheriæ*, 70 ; Urines and fæces for *B. typhosus*, 15 ; Milk for bacteriological examination, 56 ; Milk for Tubercle Bacilli, 8 ; Waters for bacteriological examination, 148 ; Bio-chemical examinations, 8 ; Swabs for hæmolytic streptococci, 17 ; Urines for Friedman tests, 26 ; Miscellaneous specimens, 11 ; Total 417.

(b) **AMBULANCE FACILITIES.**—These are adequate for the requirements of the district.

The Oakwell Joint Hospital Board provide an Ambulance for the transport of cases of infectious disease admitted to their hospital. The Dewsbury Joint Hospital Board provide an ambulance for infectious cases admitted to that Hospital from the Soothill Ward.

(c) **NURSING IN THE HOME.**—The Batley Nursing Service functions in three wards of the Borough. The Soothill Ward is served by the Dewsbury Nursing Association and the Birstall Ward by the Birstall Nursing Association.

HOME HELPS.

In addition to the arrangements for general nursing in the homes of the people, the Maternity and Child Welfare Committee have instituted the provision of Home Helps where a mother is temporarily laid aside through child-birth.

No. of persons on Corporation's register at end of year,
9. 7 Patients took advantage of the scheme.

CHILD MINDERS.

During the year no application was received from persons desiring to become registered Child Minders. At the end of the year three women's names were on the register, but no child was being nursed under the scheme.

WARTIME NURSERIES.

The Batley Corporation decided to close the two Batley Wartime Nurseries on the 31st March, 1946.

DOMESTIC HELPS.

The Council decided to introduce a Scheme of "Domestic Helps" in accordance with the M/H Circular 179/44 for an experimental period of six months as from 1st April, 1946.

Owing to the poor response to the Domestic Help Scheme the Council recommended that the Scheme be abandoned, and the Ministry of Health notified accordingly.

(d) Clinics and Treatment Centres.

Name	Address.	Sessions.	Authority Providing.
Ante Natal Clinic	Wellington Street, Batley	Weekly, Tuesday and Weekly Wednesday, 9-15 a.m.—12 noon. Weekly, Monday and Weekly, Thursday, 2-5 p.m.	Batley Corporation Ditto
Post Natal Clinic	Wellington Street	Fortnightly Thursday 9-15 a.m.—12 noon	Ditto
Infant Welfare Centre	Ditto	Tuesday, 2-4 p.m. Friday, 2-4 p.m.	Ditto
Ditto	Constitutional Club Low Lane, Birstall	Wednesday, 2-4 p.m.	Ditto
Ditto	Parochial Hall, Hanging Heaton	Monday, 1st Thursday 2-4 p.m.	Ditto
Consultative Ante Natal Clinic	Batley Hospital	Tuesday, 10 a.m.	Ditto
Diphtheria Immuni- sation Clinic	Wellington Street, Batley	Fortnightly Friday 9-30 a.m.—12 noon	Ditto
Orthopædic Clinic	Temperance Hall, Batley	Monthly 3rd Thursday 9-30-10-30 a.m.	Ditto
Massage, etc. Clinic	Ditto	Monday & Thursday 9-30 a.m. to 12 noon 2-5 p.m.	Ditto
Minor Ailments Clinic	School Clinic Market Place, Batley	Daily, 9 a.m. and 4-15 p.m.	Ditto
Ditto	Constitutional Club Low Lane, Birstall	Wednesday, 4 p.m.	Ditto
Ophthalmic Clinic	School Clinic Market Place, Batley	When required,	Ditto
Scabies Clinic	Ditto	Thursday, 4-15 p.m.	Ditto
Dental Clinic	Back Cambridge Street, Batley	Monday—Friday 9 a.m.—12 noon. 2-5 p.m. Saturdays, 9 a.m.— 12 noon.	Ditto
Aural Clinic	Batley Hospital	When required.	Ditto
Tuberculosis Dispensary	Branch House, Batley	Thursday, 2-4 p.m. and 6-8 p.m.	West Riding County Council
Treatment Centres for Venereal Disease	Dewsbury Infirmary	Monday, 2 p.m. Thursday, 6-30 p.m.	Ditto

(e) **HOSPITALS.**—There were no changes during the year in the hospital services, public or voluntary, whether within or without the area, which are used by the inhabitants of the area.

During 1946 the attendances of Batley residents at the Venereal Diseases Clinics were :—

Dewsbury Infirmary—86 males and 35 females.

Leeds Infirmary—14 males and 4 females.

ANTE-NATAL CLINIC.

During the year 1946, 731 individual patients attended the Ante-Natal Clinic and made 2,444 attendances.

POST-NATAL CLINIC.

149 patients made 166 attendances at the Post-Natal Clinic.

CONTRACEPTIVE CLINIC.

No Patients attended.

ATTENDANCES AT WELFARE CENTRES, 1946.

CENTRE.	No. of mothers on Register	Expectant Mothers	Mothers with Infants		New admissions		Average attendance per mother
			Under 12 mths.	Between 1 and 5 yrs.	Under 12 mths.	Between 1 and 5 yrs.	
WELLINGTON STREET							
TUESDAY	633	—	2,990	946	280	9	6.2
FRIDAY	621	—	2,511	1,030	153	16	5.7
BIRSTALL	476	—	1,897	1,108	123	1	6.3
HANGING HEATON	78	—	134	136	14	5	3.5
TOTALS	1,808	—	7,532	3,220	570	31	5.9

RECORD OF INFANTS MEDICALLY EXAMINED AT CENTRES DURING RECENT YEARS.

Yearly Average	New Cases Seen	ALL CASES.		Not wholly satisfactory
		Infants under 6 months.	Older Children	
1926-30	211	358	325	322
1931-35	245	465	539	238
1936-40	305	563	387	244
1941-44	269	389	353	534
Year.				
1944	338	410	415	576
1945	411	523	478	757
1946	373	534	327	589

3. (ii) **MIDWIFERY AND MATERNITY SERVICES.**

The Maternity Home administered by the Town Council has been previously described.

During 1946 there were 403 bookings ; 321 patients admitted ; 317 confinements, and 323 infants born.

The Corporation decided that maternity patients who resided outside the Borough should not be admitted to the Maternity Home.

**SUMMARY OF WORK PERFORMED BY MUNICIPAL
MIDWIVES DURING 1946.**

		Names of Midwives.				Relief Midwives.				Total
		E. A. Fearnside	M. H. Foy.	D. J. Jackson.	F. Kitson.	A. Layland.	E. Sandford.			
Visits to Ante Natal cases		209	362	266	356	...	17	...	...	1210
Cases attended.	As Midwife	61	63	55	67	27	11	...	...	284
	As Maternity Nurse.	2	1	8	8	2	2	...	...	23
No. of visits to patients following delivery.		1219	1113	1027	1183	464	358	...	...	5364

(iii) **INSTITUTIONAL PROVISION FOR MOTHERS OR CHILDREN** (apart from Poor Law) is not provided.

(iv) **HEALTH VISITORS.**

The arrangements made for the visiting of children between the ages of one and five years are as previously.

Number of visits paid during the year by all Health Visitors :

(a) To expectant mothers	First visits	105
	Total visits	129
(b) To children under		
1 year of age	First visits	539
	Total visits	2,049
(c) To children between the		
ages of 1 and 5 years	Total visits	2,667

In addition to the foregoing, the Health Visitors have made visits to cases of :—

Pneumonia	....	....	....	....	....	36
Tuberculosis	....	....	....	....	....	62
Still Births	....	....	....	....	....	10
Puerperal Pyrexia	....	....	....	....	....	2
Ophthalmia Neonatorum	....	....	....	....	....	2
Miscellaneous	....	....	....	....	....	158
						270

The preceding figures do not include visits paid by the nurses in their capacity as School Nurses, which were 1,464. The grand total, therefore, of visits by the Health Visitors and School Nurses during 1946 was 6,579.

INFANT WELFARE CENTRES.

Total number of children under 5 years of age who attended at the Centres for the first time during the year and who, on the date of their first attendance, were :—

- (i) Children under 1 year of age 572
- (ii) Children between the ages of 1 and 5 years 33

Total number of children under 5 years of age who attended at the Centres during the year, and who, at the end of the year, were :—

- (i) Children under 1 year of age 417
- (ii) Children over 1 year of age 1,638

(v) CHILD LIFE PROTECTION.

- (a) Number of persons on the register who were receiving children for reward at the end of the year 3

- (b) Number of children on the Register :—

- (i) At the end of the year 3
- (ii) Who died during the year 1
- (iii) On whom inquests were held during the year None

- (c) Number of Infant Protection Visitors at the end of the year who were :—

- (i) Health Visitors 2
- (ii) Female, other than Health Visitors None
- (iii) Male None

No proceedings were taken during the year, no sanctions were necessary, neither were any orders sought under Section 67 of the Act of 1932.

ADOPTION OF CHILDREN.

- (a) Number of persons who gave notice during the year 19
- (b) Number of Children in respect of whom notice was given during the year 17
- (c) Number of Children under supervision at the end of the year 33

(vi) **ARRANGEMENTS FOR DENTAL, ORTHOPÆDIC, ETC., CASES.**

Dental Defects :—

The following is a summary of the work carried out :—

Dental Inspection and Treatment of Maternity and Child Welfare Patients, 1946.

Patients	Number Treated	Number of Attendances	Anæsthetics Administered		Extractions		Other Operations		Patients Fitted with Dentures
			General	Local	Temporary	Permanent	F'ings	Oth'r	
Adults	124	239	22	55	—	290	32	10	18
Children	2	2	—	3	3	—	—	—	—
Total	126	241	22	58	3	290	32	10	18

Aural Cases :—

Two pre-school children were seen during 1946.

Visual Defects :—

The eyes of 7 pre-school children were examined at the Ophthalmic Clinic. I child was re-examined. The following errors of refraction, including Squint, were seen :—

Hypermetropia, 6 ; Compound Hypermetropic Astigmatism, 1.

Amongst the errors of refraction 6 children were suffering from Squint. Spectacles were prescribed in 2 cases but in 3 cases it was not found necessary to alter the spectacles previously prescribed and 2 children did not require spectacles.

Orthopædics :—

The Orthopædic Surgeon examined 9 (new) patients under school age and re-examined 31. There were 61 attendances at the Massage, &c. Clinic.

SANITARY CIRCUMSTANCES OF THE AREA.

1. (i) **WATER SUPPLY.**—Particulars of the Batley Water supply have been given in previous annual reports. The chief source is from the town's own reservoirs situated about eighteen miles away in the Pennine Hills. This water is excellent in every respect, both for domestic and trade purposes.

(ii) DRAINAGE AND SEWERAGE. The Borough Surveyor, Mr. T. Mossop, states :—

“ Sewage Disposal. Work confined to maintenance and repairs only.

Sewers. The work of laying down sewers on the Carlinghow Lane and Halifax Road Housing Estates was carried out during 1946 and work was commenced on the sewers for Part II of the Healey Lane Site.”

2. RIVERS AND STREAMS.—The West Riding of Yorkshire Rivers Board is the authority which exercises supervision over the Batley Beck. It is polluted by dye water, trade waste, etc. During heavy rain storms it occasionally overflows its banks, causing considerable flooding of houses and streets. The latter has engaged the attention of the Corporation for several years.

3. (i) CLOSET ACCOMMODATION, 1946.

By the Senior Sanitary Inspector (Mr. H. Hornby).

Water-Closets.

The Borough—1945	....	....	....	....	11,017
Additional ; to existing buildings	....	....	....	....	22
Additional ; to new buildings	....	....	....	....	74
Additional ; by conversions	....	....	....	....	43
Total—1946	....	....	....	....	11,156

Trough Closets.

The Borough—1945	....	....	....	....	166
Less number abolished	....	....	....	....	Nil
Total—1946	....	....	....	....	166

Slop Water Closets.

The Borough—1945	....	....	....	....	21
Total—1946	....	....	....	....	21

Pail Closets.

The Borough—1945	....	....	....	....	21
Additional ; by alteration of privy closets	....				7
Additional ; to existing buildings	....	....			2
Total—1946	....	....	....	....	30

Privy Closets.

The Borough—1945 (131 structures)	....	....			234
Less number abolished or converted to W.C.'s or pail closets	....	....	....		50
Total—1946 (106 structures)	....	....	....		184
Total—1946 Closets of all types	....	....	....		11,557

The remarks concerning privies and trough closets made on page 46 of the Annual Report for 1937 still apply.

(ii) **PUBLIC CLEANSING.—This Section is by the Senior Sanitary Inspector (Mr. H. Hornby).**

The arrangements for the collection and disposal of house and trade refuse during 1946 were similiar to those in force during the previous year, that is, collection by private contract, and disposal by direct labour.

Particulars of the contracts as they stood on the 31st December, 1946, are as follows :—

Contract No.	Ward	Estimated No. of houses and premises.	Estimated Annual Yield, Tons	Period of Contract		Annual Costs
				Com-mence-ment.	Termin-ation	
1.	West	2,550	1,687	17/7/46	16/7/49	£1250
2.	Soothill	1,342	877	12/7/46	11/7/49	£541
3.	North	3,270	2,227	3/1/44	2/1/47	£1209
4.	East	3,013	2,025	1/7/46	30/6/49	£1100
5.	Birstall	2,322	1,552	1/1/44	31/12/46	£1408
	Totals	12,497	8,368	—	—	£5508

The estimated total amount of refuse dealt with during the year was 8,368 tons. This was disposed of as follows :—

	Tons
Controlled Tip—Soothill Wood Colliery	4,589
Controlled Tip—Nab Lane	3,779
Total	8,368

Note.—The foregoing estimated tonnages will no doubt have been reduced by such features as salvage and fuel economy.

The staff and forms of transport engaged upon collection and disposal were respectively :—

Collection :—

By Private Contract :	
Mechanical vehicles	5
Men (including drivers)	14

Disposal :

By Direct Labour :	
Tipmen	5

Salvage :—

The quantities and values of materials salvaged during 1946, are as follows :—

By the Refuse Collection and Disposal Services :—

	Tons	Cwt.	Qrs.	£	s.	d.
Waste Paper	135	12	2	867	1	3
Kitchen Waste	180	6	3	271	19	6
Old Tins		7	1	11	0	5
Bones						
Miscellaneous	21	13	2	55	2	7
Total	338	0	0	1205	3	9

(iii) **SANITARY INSPECTION OF THE AREA.
WORK OF SANITARY INSPECTORS UNDER ARTICLE
27 OF THE SANITARY OFFICERS (OUTSIDE LONDON)
REGULATIONS, 1935.**

DESCRIPTION OF WORK CARRIED OUT : YEAR 1946.

Total number of Inspections and Re-Inspections made 12,754.

Details	Primary Inspection. Day	Re- Inspections. Day
Housing Consolidated Regs.	21	106
Re Sanitary Defects	1072	4418
Infectious Diseases	52	35
Verminous and dirty houses	60	167
" houses fumigated	85	10
Overcrowding	113	166
Water Supply	1	—
Factories	59	185
Workplaces	1	—
Re Shops Acts	2	1
Bakehouses	28	25
Drains inspected	135	30
Drains tested	46	8
Factories (Smoke Nuisance)....	5	—
Offensive Trades	3	—
Stables	6	2
Swine, fowls & other animals	9	7
Tents, Vans and Sheds	47	1
Tips, etc.	19	12
Schools	6	16
Sewers, etc.	27	53
Rat infested premises	87	217
Miscellaneous visits	4251	603
Slaughter houses	30	—
Meat Shops	26	—
Provision & other food shops	93	—
Fried fish and chip shops	85	—
Ice Cream Premises	16	—
Dairies and milk shops	63	—
Cowsheds	45	—
Markets	28	—
Samples :—		
Milk—Chemical exams.	78	—
" —bact. exams	54	—
Ice Cream	4	—
Miscellaneous foods—		
chemical exams.	23	—
Rag Flock—chemical exams.	6	—
Swimming bath water—		
chem. and/or bact. exams.	4	—
Other Waters	2	—
Totals	6692	6062

Informal Notices served	....	....	....	1,063
Informal Notices complied with	....	....	....	936
Statutory Notices served	....	....	....	168
Statutory Notices complied with	....	....	....	108
Prosecutions under Public Health Act	....	....	....	1
Number of complaints received and entered in complaint book	....	....	....	167

(iv) **SHOPS and OFFICES.**

No action was taken during the year under review. Apart from small premises the number of retail shops, as compared with the size and population of the Borough, is below the average, due, no doubt, to the fact that the shopping centres of the larger neighbouring towns are readily available to the public of Batley. A very large majority of the retail shops in Batley employ, if any, not more than one or two assistants.

(v) **CAMPING SITES.**

During 1946 no sites in the Borough were used for camping purposes within the meaning of Section 269 of the Public Health Act, 1936. There were, however, several isolated moveable dwellings, and an exempted encampment in connection with a travelling fair, which were kept under observation.

(vi) **SMOKE ABATEMENT.**

The general position in relation to smoke abatement was stated at length in the Annual Reports for 1928 to 1934 ; and also on pages 44 to 46 of the Annual Report for 1936.

Comments were also made on pages 22 and 23 of the Annual Report for 1944, and these equally apply at the present time.

(vii) SWIMMING BATHS AND POOLS.

There is one public baths in the Borough, but no privately owned swimming baths or pools open to the public. Full particulars of the public baths were given on page 53 of the Annual Report for 1937.

The number of bathers during 1946 was 75,310, of which 55,048 were the general public, 252 troops, and 20,010 scholars.

Action taken to secure the satisfactory condition of the water in the swimming baths :—

During September four samples of water were taken and submitted to the County Laboratory for bacteriological and chemical examinations. These consisted of two inlet samples and two outlet samples.

The following is a summary of the results of the examinations :—

(a) Bacteriological Examinations :

All the samples were satisfactory in that Presumptive B. Coli was in each case—None in 100 Ml. of water.

(b) Chemical Examinations :

(i) pH. Value :— As compared with the Min. of Health Standard of pH. 7.6-8, the value of all the samples was pH. 6.5.

(ii) Free Chlorine : As compared with the Min. of Health Standard of 0.2 - 0.5 parts of free chlorine in one million parts of water, the samples contained 0.6 and 0.8 parts per million for the 1st and 2nd Class Baths respectively.

Considered as a whole the foregoing results were satisfactory.

(viii) Eradication of bed bugs.

The number of council houses found to be infested was 7 and other houses 45.

2 privately owned houses were disinfested with H.C.N. by a specialist firm, and 1 council house and 7 privately owned houses were disinfested by contact insecticide. The remaining houses were dealt with by notices served upon tenants by whom means of cleansing were carried out, but of varying degrees of efficiency.

4. SCHOOLS.

There have been no special reports upon the sanitary conditions and water supply of schools during the year—all the schools being supplied with water from the Corporation mains. Action taken in respect of infectious diseases amongst school children has been on the lines of the Memo on Closure of, and Exclusion from, School, 1927.

FACTORIES ACT, 1937.

The number of visits made during the year was 297, and the defects found and remedied were as follows :—

Particulars	No. of Defects	
	Found	Remedied
Want of cleanliness	Nil	Nil
Overcrowding	Nil	Nil
Unreasonable temperature	Nil	Nil
Inadequate ventilation	Nil	Nil
Ineffective drainage of floors	Nil	Nil
Sanitary conveniences—		
Insufficient	2	Nil
Unsuitable or defective	25	22
Not separate for sexes	Nil	Nil
Other offences	7	7
Totals	34	29

HOUSING.

GENERAL REPORT UPON HOUSING ACTIVITIES IN THE BOROUGH.

The position was described on pages 31 to 33 of the Annual Report for 1939, and the remarks made therein apply with equal force to-day.

The Borough Surveyor, Mr. T. Mossop, has supplied the following information :—

HOUSING, 1946.

No. of subsidy houses completed by the Corporation during 1946	4
No. of subsidy houses completed by private enterprise during 1946	32

UNDERTAKINGS : HOUSING ACT, 1936.

Certain particulars were given in previous Annual Reports from the year 1926 onwards. To these the following must be added to shew the position on 31st December, 1946 :—

Ref. No	Situation (2)	Date of Official Repn. (3)	Date of Closing Order (4)	Date of Dem. Order (5)	Remarks (6)
1	2, Beck Lane, C'how	16.1.46	—	1.5.46	
2	4, " " "	"	—	"	
3	57, High St., Birstall	"	—	"	
4	1, Spa Hill	"	—	"	
5	67, Church St., Birstall	20.3.46	—	—	Undertaking to close
6	35, " " "	"	—	—	Undertaking to carry out works
7	37, " " "	"	—	—	"
8	39, " " "	"	—	—	"
9	18, Raikes Lane, B'll	"	—	5.6.46	
10	6, Brownhill Road	15.5.46	—	—	Undertaking to close
11	64, Raikes Lane, B'll	"	—	31.7.46	
12	66, " " "	"	—	30.10.46	
13	68, " " "	"	—	"	
14	74, Dale St., B. C.	"	—	—	Undertaking to carry out works
15	24, North King Street	"	—	—	"
16	26, " " "	"	—	—	"
17	15, Albert St., Batley	"	—	—	"
18	6, Chandler's Hill, B'll	"	—	—	"
19	1, Cobler Hill, Birstall	18.9.46	1.1.47	—	

General Remarks.

Although the new houses made available during the year were not sufficiently numerous to make any great impression upon the demand, they yet relieved a number of the most urgent cases and, to that extent, were very useful indeed.

As regards existing houses, the majority suffered seriously from inattention to repairs occasioned by the war in the first instance, and latterly by the shortage of labour and materials.

Arrears both in new building and the maintenance of existing houses have, of course, been too serious for them to be overtaken in a few years, but one feels the worst is over and that the beginnings already made promise greater progress as the general situation improves.

INSPECTION AND SUPERVISION OF FOOD, by Mr. Hornby.

(a) **MILK SUPPLY.**—The action taken with regard to milk was as follows :—

- (1) Inspection of farms and dairies pursuant to the provision of the Milk and Dairies Order, 1926.
- (2) The taking of samples of milk for bacteriological examination.
- (3) The issue of licences pursuant to the provisions of the Milk (Special Designations) Order, 1936.

(1) Inspection of farms and dairies pursuant to the provisions of the Milk and Dairies Order, 1926.

The number of dairy farms in the Borough at the end of the year under review was 26.

The total number of inspections of cowsheds was 45, and improvements were carried out in one instance. As regards dairies and milk-shops, 63 inspections were made and improvements carried out in one instance.

(2) The taking of samples of milk for bacteriological examination.

The total number of samples examined for the department at County Laboratory, Wakefield, was 73, of which 54 were taken by the Corporation's Sanitary Inspectors, and 19 by other Officers. The results of the examinations were as follows :—

T.T. Milk : 3 samples were examined and satisfied the methylene blue test.

Accredited Milk : Of 8 samples examined, 7 satisfied the methylene blue test, and 1 did not satisfy the test.

Pasteurised Milk : Of 36 samples examined, 30 satisfied both methylene blue and phosphatase tests. Of the remaining 6 samples 3 whilst satisfying the methylene blue test did not satisfy the phosphatase test, and 3 whilst satisfying the phosphatase test, did not satisfy the methylene blue test.

Ordinary (ungraded) Milk : Of 26 samples examined 17 satisfied the methylene blue test and 9 did not satisfy the test.

General Remarks : Summarising the foregoing results 22% of all samples examined by the various recognised tests were unsatisfactory, as against 28% for the previous year. Though some slight improvement has taken place the results indicate a continued need for the bacteriological control of the public milk supply.

(3) **The issue of licences pursuant to the provisions of the Milk (Special Designations) Order, 1936.**

The numbers of licences in force during 1946 were as follows :—

(a) **Tuberculin Tested Milk.**

Producers Licences granted by the			
West Riding County Council	....		2
Dealers' Retailing Licences	....	....	6
Supplementary Licences	....	....	3

(b) **Pasteurised Milk.**

Pasteurisers' Licences	....	....	1
Dealers' Retailing Licences	....	....	1
Supplementary Licences	....	....	4

(c) **Accredited Milk.**

Producers' Licences granted by the			
West Riding County Council	....		4

(c) **ADULTERATION, ETC.**
FOOD AND DRUGS (ADULTERATION) ACT, 1928.
Food and Drugs Act, 1938, and Public Health (Preservatives,
etc., in Food) Regulations, 1925 to 1927.

(This section is by the Senior Sanitary Inspector—
 Mr. H. Hornby).

During the year under review, 102 samples of milk and miscellaneous foods and drugs, as detailed in the appended Table I, were purchased and submitted to the Public Analyst, who certified 96 samples to be genuine, 4 adulterated, 1 doubtful, and 1 unsatisfactory. This gives an adulteration figure of 5.88% as compared with 9.24% for the previous year.

Particulars of any administrative action taken in respect of samples adulterated are given in Table II.

A further comparison shows that of the 79 milk samples analysed 3 were adulterated, which gives an adulteration figure for milk of 3.80% as compared with 9.30% for the previous year.

On reference to Table III, which gives the average composition of milk samples, it will be seen that the average fat content was 3.65% as compared with 3.72% for the previous year.

TABLE I.
Particulars of Foods and Drugs and Results of Analysis.

Sample	In- Formal	Gen- uine	Adult- erated	Unsatis- factory	Doubt- ful	Total
Milk	79	—	76	3	—	79
Chocolate	—	1	—	1	—	1
Butter	—	1	1	—	—	1
Sugar	—	1	1	—	—	1
Margarine	—	1	1	—	—	1
Coffee	—	1	1	—	—	1
Oatmeal	—	1	1	—	—	1
Dessert Mould	—	1	1	—	—	1
Cinnamon	—	1	—	—	1	1
Cloves	—	1	1	—	—	1
Junket Powder	—	1	1	—	—	1
Flavouring Essences	—	5	5	—	—	5
Pudding Mixture	—	1	1	—	—	1
Egg Preservative	—	1	1	—	—	1
Baking Powder	—	1	—	—	1	1
Mixed Spice	—	1	1	—	—	1
Aspirin Tablets	—	1	1	—	—	1
Saccharin Tablets	—	1	1	—	—	1
Malted Milk Tablets	—	1	1	—	—	1
Sage	—	1	1	—	—	1
	79	23	96	4	1	102

TABLE II.

Administrative action taken in respect of samples reported
by the Public Analyst to be not genuine.

Spl. No.	Nature of sample and results of analysis.	Remarks.
441	Chocolate—Absence of sugar content.	Referred to Food Executive Officer.
449	Milk—Fat 2.62% Solids not fat 8.78%	Producer/Retailer cautioned.
540	Milk—Fat 2.18% Solids not fat 8.34%	Producer/Retailer cautioned.
549	Cinnamon—Contained only 7.5% alcohol soluble extractive	Vendor cautioned.
656	Baking Powder—Contained only 6% available gas	Vendor cautioned.
669	Milk—Fat 2.86% Solids not fat 8.76%	Producer/Retailer cautioned.

TABLE III.

Monthly Average Composition of Milk Samples.

Month.	No. of Samples.	Analytical Data.	
		Average Milk Fat per cent.	Average Non-fatty solids per cent.
January	6	4.12	8.71
February	6	3.40	8.61
March	6	3.47	8.62
April	11	3.47	8.65
May	7	3.67	8.62
June	6	4.12	8.67
July	5	3.81	8.56
August	6	3.74	8.51
September	—	—	—
October	6	3.87	8.60
November	15	3.42	8.53
December	5	3.62	8.61
Average for the year 1946		3.65	8.61
Average for the year 1945		3.72	8.55
Average for the year 1944		3.61	8.69
Average for the year 1943		3.65	8.61
Average for the year 1942		3.61	8.59
Requirements of the Sale of Milk Regulations, 1939		3.00	8.50

RAG FLOCK ACTS, 1911-1928.

As a considerable amount of rag flock is manufactured in the Borough, the results of examinations of 6 samples taken during 1946 are given in the following table :—

Sample No.	Date taken	Amount of Chlorine in form of Soluble Chlorides.	Remarks
308	25-2-46	126 parts per 100,000	Unsatisfactory
309	"	22 "	Satisfactory
310	"	25 "	"
311	"	42 "	Unsatisfactory
312	"	28 "	Satisfactory
313	"	12 "	"

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES. Notifiable Diseases (other than Tuberculosis) during the year 1946.

DISEASE.	Total Cases Notified	NUMBER OF CASES NOTIFIED.											Cases Admitted to Hospital	Total Deaths				
		Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years			65 and over			
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Scarlet Fever	34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Diphtheria	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Enteric Fever (including Paratyphoid)	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Puerperal Pyrexia	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Pneumonia	33	1	3	1	2	2	2	2	7	2	2	2	2	8	17	2	20	
Whooping Cough	175	16	16	22	33	38	41	5	5	1	—	—	—	—	2	2	2	
Measles	199	6	11	22	42	56	60	1	1	—	—	—	—	—	—	—	—	
Other Diseases generally notifiable:																		
Erysipelas	7	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Cerebro Spinal Meningitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ac. Anterior Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pemphigus Neonatorum	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases notifiable locally	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	464	24	30	48	84	102	121	14	14	2	15	6	7	11	63	22	22	

(All Forms)

2. **SMALLPOX.**—No case occurred during the year.

SCARLET FEVER.—34 cases were notified during the year. The type generally was mild. No death occurred.

DIPHThERIA.—12 cases were notified during the year as against 13 the previous year. No death occurred.

The following persons were immunised against Diphtheria :—

182 Children under school age.
13 School children.

This brings the total number of attendances from January 1935, when the scheme was originally inaugurated to December, 1946, to 13,304.

The prophylactic used was T.A.F.—3 injections of 1 c.c.

ENTERIC FEVER (including **PARATYPHOID**).—One case was notified during the year.

PUERPERAL PYREXIA.—Two patients were notified as suffering from Puerperal Pyrexia during the year. There was no case during the previous year.

PNEUMONIA (Acute Primary and Acute Influenzal).—33 cases were notified during the year compared with 18 cases during the previous year. 17 were removed to hospital for treatment. There were 20 deaths from pneumonia (all forms)

MEASLES.—There were 199 cases notified during the year. No death occurred.

There has been no local action taken in regard to the use of Measles serum for prophylaxis or attenuation.

WHOOPIING COUGH.—There were 175 cases of Whooping Cough notified during the year. Two deaths occurred.

ERYSIPELAS.—There were 7 cases notified compared with 6 during the previous year. Two cases were removed to hospital. There was no death.

CEREBRO SPINAL MENINGITIS.—No notification was received. There was no death.

OPHTHALMIA NEONATORUM.—One case of Ophthalmia Neonatorum was notified during the year.

OPHTHALMIA NEONATORUM, 1946.

Year	CASES			Vision Unimpaired	Vision Impaired	Total Blindness	Death
	Notified	treated					
		At Home	Hospital				
1946	1	—	1	1	—	—	—

PEMPHIGUS NEONATORUM.—No case was notified to the Public Health Department during the year.

ACUTE ANTERIOR POLIOMYELITIS.—No notification was received.

INFLUENZA.—Nine deaths were certified to be the result of influenza.

NON-NOTIFIABLE ACUTE INFECTIOUS DISEASES

become known to the department principally through the agency of Teachers, Health Visitors, School Nurses, School Attendance Officers, Parents, etc.

The average weekly number of scholars excluded either as patients or contacts during the year for notifiable or non-notifiable diseases was :—

Diphtheria	....	....	1.3	Mumps	....	....	0.05
Scarlet Fever	....	....	4.1	Impetigo	....	....	8.5
Measles	....	....	4.2	Scabies and Itch	....	....	5.2
Whooping Cough	....	....	6.4	Verminous Conditions	....	....	6.7
Chickenpox	....	....	4.3	Ringworm	....	....	4.0

3. TUBERCULOSIS.

PUBLIC HEALTH (PREVENTION OF
TUBERCULOSIS) REGULATIONS, 1925

No action was taken or called for during 1946.

PUBLIC HEALTH ACT, 1936, Section 172.

No action was taken or called for during 1946.

4. TUBERCULOSIS IN BATLEY, 1946.

Age Periods	NEW CASES				DEATHS			
	Respiratory		Non Respiratory		Respiratory		Non Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0	—	—	—	—	—	—	—	—
1	—	—	1	—	—	—	—	—
5	—	—	1	—	—	—	—	—
15	2	3	—	2	—	2	—	1
25	3	4	—	1	—	1	—	—
35	2	—	1	1	1	1	—	—
45	2	1	1	1	2	—	1	1
55	3	1	—	—	—	—	—	—
65 & upwards	—	—	1	—	—	—	1	—
Totals	12	9	5	5	3	4	2	2

The relationship between notification of tuberculosis and deaths from the disease is shown in the following table, which covers the period between January 1st, 1913, and December 31st, 1946.

Death before notification....	135	Death 6 months after	....	18
Death 1 month, or under		Death 7 months after	....	19
after notification	191	Death 8 months after	....	12
Death 2 months after	....	Death 9 months after	....	7
Death 3 months after	....	Death 10 months after	....	6
Death 4 months after	....	Death 11 months after	....	10
Death 5 months after	....	Deaths 12 months and over	200	

The ratio of non-notified tuberculosis deaths to total tuberculosis deaths during 1946 was 1 to 11 or 9.1 per cent.

It has not been necessary to take any action concerning wilful neglect or refusal to notify Tuberculosis.

Housing conditions of patients notified to be suffering from Pulmonary Tuberculosis during the 27 years 1919 to 1946, were as follows :—

Years	Notifica- tions		Type of House		Occupants									Houses with more than one Patient Notified	Living Rooms			Bedrooms			Sleeping Accommodation for Patients								
	M.	F.	B. to B.	Single Through	1	2	3	4	5	6	7	8	9 and over		1	2	3	4 and over	1	2	3	4 and over	Separate Room	Shared Room	Separate Bed	Shared Bed.			
1919 to 1946 (inclusive)	514	423	385	202	321	8	117	197	185	158	94	61	36	52	108	177	800	217	118	61	35	281	406	184	85	270	642	490	422
Year 1946	* 12	9	4	2	14	...	8	4	4	2	2	...	...	—	10	6	4	...	...	...	4	10	4	2	9	12	12	9	9

* Particulars re Accommodation not available.



