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BOROUGH OF MIDDLETON
1948

ANNUAL REPORT
OF THE
MEDICAL OFFICER
OF HEALTH
FOR THE YEAR
1948

J. BROOKS, M.R.C.S., L.R.C.P., D.P.H.
ACTING MEDICAL OFFICER OF HEALTH

BOROUGH OF MIDDLETON

1948

HEALTH COMMITTEE.

Chairman :

ALDERMAN T. COATES (deceased June, 1948)
COUNCILLOR A. WOLSTENCROFT, J.P. (from July, 1948)

Vice-Chairman

COUNCILLOR A. WOLSTENCROFT, J.P. (up to July, 1948)
COUNCILLOR J. L. GRADWELL, J.P. (from July, 1948)

HIS WORSHIP THE MAYOR—COUNCILLOR R. SCOTT, J.P.

ALDERMAN MRS. C. REDFERN
COUNCILLOR MRS. C. FLETCHER, J.P.
COUNCILLOR W. D. CHISHOLM
COUNCILLOR A. HORRIDGE
COUNCILLOR W. WELLENS

MATERNITY AND CHILD WELFARE SUB-COMMITTEE.

MEMBERS OF THE HEALTH COMMITTEE, TOGETHER WITH THE FOLLOWING
CO-OPTED LADIES :—

MRS. L. BALL
MRS. T. HEYWOOD
MRS. ANNE HILTON, J.P.
MRS. F. L. KAY

BOROUGH OF MIDDLETON

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

Acting Medical Officer of Health :

J. BROOKS, M.R.C.S., L.R.C.P., D.P.H.

† Assistant Medical Officer of Health :

D. I. BUCHANAN, M.B., Ch.B., D.P.H. (Appointment by the Lancashire County Council from 1st November, 1947. Appointment terminated 30th November, 1948)

† Obstetric Consultant :

*Miss M. EVANS, M.D., B.S. (London), B.Sc. (Wales), M.R.C.O.G.

† Orthopaedic Surgeon :

‡Miss M. F. JOHNSTONE, M.B., Ch.B.

† Ophthalmic Surgeon :

‡P. A. HARRY, M.D., B.Ch.

† Dental Surgeon :

‡A. E. BUTLER, L.D.S., R.C.S. (England).

Chief Sanitary Inspector :

T. TURNER, M.R.San.I.

Sanitary Inspectors :

S. HACKING, C.R.S.I.

W. I. BOULTON, C.R.S.I.

G. ELLIOTT, C.R.S.I. (Appointed 1st December, 1948)

† Health Visitors :

Miss E. M. HARRISON, S.R.N., S.C.M., H.V. Cert.

Miss T. DUNSCOMBE, S.R.N., S.C.M., H.V. Cert.

Miss H. BOWDELL, S.R.N., S.C.M., H.V. Cert.

† Masseuse :

‡Miss E. G. LEE, C.S.M.M.G.

Clerical Staff :

Miss E. M. HOWARTH.

† Miss A. DEAN

† Mrs. J. M. BERRY

† Mrs. M. OLDHAM

*Part-time Officer.

‡Part-time Officers employed by the School Medical Committee, but whose services are available for Maternity and Child Welfare Cases.

†Transferred to Lancashire County Council on 5th July, 1948.

HEALTH CENTRE,
DURNFORD STREET,
MIDDLETON,

September, 1949.

**To the Chairman and Members of the Health and Maternity and
Child Welfare Committee.**

Mr. Chairman, Ladies and Gentlemen,

I beg to submit the Annual Report on the health of the
Borough for 1948.

It gives a complete survey of the work of the department.

I wish to express my thanks to Miss Howarth for the com-
pilation of the report and to the Members of the Health Committee
for their kindness and consideration.

I am,

Ladies and Gentlemen,

Your obedient Servant,

JAMES BROOKS,
Acting Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS.

GENERAL STATISTICS.

TABLE I.

Area of the Borough (acres)	5,170
Population at Census, 1931	29,188
Registrar-General's estimated resident population (mid-year 1948)	32,190
Number of Persons per acre	6.23
Number of Inhabited Houses (estimated)	10,500
Rateable Value at 31st March, 1948	£171,425
Sum represented by a Penny Rate (1947-48)	£686

VITAL STATISTICS.

TABLE II.

	Total	M.	F.	
LIVE BIRTHS :—				
Legitimate ...	557	275	282	Birth-rate per 1,000 estimated population mid-1948... .. 18.2
Illegitimate ...	29	14	15	
Total ...	586	289	297	
STILL-BIRTHS ...	13	7	6	Rate per 1,000 total (live and still) births ... 21
DEATHS	404	200	204	Death-rate per 1,000 estimated population ... 12.5
Deaths from puerperal causes :—				
		Deaths		Death-rate per 1,000 total (live and still) births
Puerperal and post-abortive sepsis		—		—
Other maternal causes		1		1.66
Total maternal mortality		1		1.66

Death-rate of infants under one year of age :—

All infants per 1,000 live births	...	...	...	...	39
Legitimate infants per 1,000 legitimate live births	...	...	...	...	41
Illegitimate infants per 1,000 illegitimate live births	...	...	...	...	—
Deaths from Cancer (all ages)	...	...	...	...	69
„ „ Measles (all ages)	...	...	...	...	1
„ „ Whooping Cough (all ages)	...	...	...	...	—
„ „ Diarrhœa (under 2 years of age)	...	...	...	...	2

POPULATION.

The Registrar-General's estimate of population for the year 1948 is 32,190, which is 1,520 in excess of the estimated population for 1947, and 3,002 more than the Census population for 1931.

BIRTHS.

557 live births were assigned to the Borough, representing an annual birth rate of 18.2 per 1,000 of the population, compared with the figure of 17.9 for England and Wales and 19.2 for the 148 smaller towns. The annual birth rates for the past 41 years are shown in Table IV.

DEATHS.

The number of deaths for Middleton during 1948 was 404, giving a crude death rate of 12.5 per 1,000 of the population, compared with 10.8 for England and Wales and 10.7 for the 148 smaller towns.

The age and ward incidence are shown in Table III.

TABLE III.

Age and Ward Incidence of Deaths occurring in 1948.

Ward.	Under									75 and up- wards	Total
	1	1 — 2	2 — 5	5 — 15	15 — 25	25 — 45	45 — 65	65 — 75			
North ...	5	1	—	—	2	7	31	15	18	...	79
Central ...	2	—	—	—	1	4	13	22	20	...	62
South ...	7	—	—	—	2	5	30	19	29	...	92
East ...	3	1	—	2	1	7	24	21	14	...	73
Parkfield .	5	—	1	1	1	4	9	17	16	...	54
West ...	1	—	—	—	—	3	7	12	21	...	44
Total ...	23	2	1	3	7	30	114	106	118		404

The zymotic death rate was 0.09 per 1,000 of the population compared with 0.16 for 1947.

One maternal death occurred during 1948. The maternal mortality rate was 1.66 per 1,000 (live and still) births compared with nil in 1947.

Infant mortality showed 39 per 1,000 live births as compared with 54 in 1947. The comparative rate for England and Wales is 34 and for the 148 smaller towns 32.

The cancer death rate of 2.14 remains high, whilst the tuberculosis death rate was 0.40 as compared with 0.49 in 1947.

Comparative death rates for various diseases for the past 41 years are shown in Table IV and the classified causes of death in 1948 are given in Table V.

TABLE IV.

Year	Birth Rate	Crude Death Rate	Zymotic Death Rate	Infant Mortality Rate	Cancer Death Rate	Tuberculosis Death Rate
1908...	22.8	16.1	1.85	153	1.0	1.9
1909...	23.1	14.6	0.6	114	0.98	1.6
1910...	24.2	14.6	1.4	100	0.78	1.2
1911...	23.0	16.6	2.5	181	0.57	1.5
1912...	21.4	15.1	0.6	117	0.74	1.7
1913...	21.0	12.8	0.28	98	0.66	1.0
1914...	19.8	14.6	1.6	126	1.18	1.5
1915...	17.5	16.1	0.64	93	1.2	1.47
1916...	15.8	14.2	0.81	79	1.1	1.59
1917...	14.5	15.3	0.93	114	1.52	1.76
1918...	13.0	17.2	0.90	80	1.37	1.49
1919...	14.0	14.0	0.54	76	1.29	0.90
1920...	22.6	12.3	1.00	90	1.2	1.25
1921...	19.4	13.3	0.69	78	1.2	1.21
1922...	17.5	13.1	0.38	72	1.34	1.14
1923...	14.7	12.3	0.51	72	1.24	0.87
1924...	15.2	12.6	0.34	54	1.68	0.93
1925...	13.3	14.1	0.58	95	1.38	0.90
1926...	15.3	12.6	0.21	57	1.30	0.91
1927...	14.2	13.0	0.41	63	1.55	0.55
1928...	14.6	11.2	0.07	63	1.17	0.75
1929...	14.1	17.1	1.08	96	1.28	0.91
1930...	14.7	11.4	0.23	46	1.59	0.67
1931...	13.2	14.8	0.40	99	1.69	0.67
1932...	14.0	12.9	0.51	80	1.47	0.65
1933...	12.8	14.2	0.27	61	1.89	0.62
1934...	13.7	12.6	0.24	53	1.76	0.48
1935...	12.7	14.2	0.06	35	1.54	0.89
1936...	14.3	14.4	0.30	52	1.88	0.72
1937...	13.2	12.9	0.03	51	1.27	0.30
1938...	13.6	12.5	0.23	59	1.96	0.50
1939...	15.2	13.6	0.10	46	1.77	0.36
1940...	14.8	14.0	0.10	56	1.27	0.43
1941...	15.7	13.7	0.10	41	2.13	0.77
1942...	15.8	13.5	0.17	57	2.01	0.45
1943...	17.2	13.9	0.21	61	1.91	0.35
1944...	21.3	14.8	0.25	53	2.07	0.57
1945...	15.6	13.4	0.00	38	2.05	0.53
1946...	18.8	11.9	0.19	49	2.09	0.69
1947...	22.5	13.0	0.16	54	2.18	0.49
1948...	18.2	12.5	0.09	39	2.14	0.40

TABLE V.
Causes of Death, 1948.

	Males	Females	Total
Typhoid and Paratyphoid Fevers ...	—	—	—
Cerebro-spinal Fever	—	—	—
Scarlet Fever	—	—	—
Whooping Cough	—	—	—
Diphtheria	—	—	—
Tuberculosis of Respiratory System ...	4	7	11
Other forms of Tuberculosis	1	1	2
Syphilitic Diseases	2	—	2
Influenza	—	—	—
Measles	1	—	1
Acute Poliomyelitis and Polio-encephalitis	—	—	—
Acute Infectious Encephalitis	—	—	—
Cancer	32	37	69
Diabetes	—	2	2
Cerebral Hæmorrhage	18	29	47
Heart Disease	70	62	132
Other Circulatory Diseases	9	14	23
Bronchitis	11	5	16
Pneumonia	9	3	12
Other Respiratory Diseases	9	4	13
Peptic Ulcer	3	2	5
Diarrhœa under 2 years... ..	1	1	2
Appendicitis	—	—	—
Other Digestive Diseases	4	4	8
Nephritis	4	2	6
Puerperal Sepsis	—	—	—
Other Maternal Causes	—	1	1
Premature Birth	1	2	3
Congenital Malformations, Birth Injury, etc.	1	8	9
Suicide	7	6	13
Road Traffic Accidents	2	1	3
Other Violence	1	1	2
All other Causes	10	12	22
Total	200	204	404

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1. STAFF.

Full details of the Staff of the department are given at the beginning of this report.

2. LABORATORY FACILITIES.

The complete facilities of the University of Manchester Department of Bacteriology and Preventive Medicine, at the Public Health Laboratory were available and were fully utilized.

On and after 29th November, 1948, specimens were sent to the new Public Health Laboratory (directed by the Medical Research Council on behalf of the Ministry of Health) at Monsall Hospital, Manchester.

During 1948 the following specimens were submitted for examination :—

TABLE VI.

Throat Swabs	48
Blood for Wassermann	4
Faeces	1
Milk samples :—	
(a) Methylene Blue	33
(b) Guinea Pig inoculation—B. Tuberc.	26
	— 59
	— 112

3. AMBULANCE FACILITIES.

Two ambulances were provided by the Borough Council for the removal of non-infectious cases, medical, maternity or accident. The control and supervision of the ambulance service was transferred to the Lancashire County Council on the 1st December, 1948.

During the period 1-1-48 to 30-11-48 the following cases were conveyed by the above vehicles :—

Accident cases	...	...	...	...	...	146
Medical cases	...	...	...	...	...	945
Deaths	...	...	...	...	...	22
Sudden illness	...	...	...	...	...	75
Maternity cases	...	...	...	...	...	7
Removals	...	...	...	...	...	13
Mental cases	...	...	...	...	...	10
						<hr/>
Total	...	...	...	...	...	1218
						<hr/>

During the year arrangements were made for the transport of all cases of infectious disease to hospital by the Rochdale County Borough infectious disease ambulance.

4. HOSPITAL ARRANGEMENTS.

There are no hospitals situated within this Borough, which is, however, well served by numerous institutions in the surrounding areas. General medical and surgical cases receive attention at the Voluntary Hospitals in Manchester, Oldham and Rochdale, and also at Boundary Park General Hospital, Oldham. Maternity cases are admitted to Boundary Park Hospital, Oldham, St. Mary's Hospital and North Manchester Maternity Home, Manchester. Arrangements for hospital treatment are usually made by the patient's own doctor, but the Local Authority has made financial arrangements for the treatment of approved admissions for confinement to St. Mary's Hospitals, Manchester which terminated on July 4th, 1948.

5. HOME AND DOMESTIC HELP SERVICE.

Four part-time helps were employed during the period up to 4-7-48, 26 homes being attended for varying intervals.

MATERNITY AND CHILD WELFARE.

Notification of Births.

Under Section 203 of the Public Health Act, 1936, 297 live births and 9 still-births were notified from 1-1-48 to 4-7-48.

Midwifery and Maternity Services.

The liaison established in 1943 between these services continued until the 4th July when the control of the services passed to the Lancashire County Council.

One maternal death occurred during 1948.

Ante-Natal Service.

Between 1-1-48 and 4-7-48 162 women made 625 attendances at the ante-natal clinic, of whom 16 were referred to St. Mary's Hospitals, Manchester, and Boundary Park Hospital, Oldham, and where eight were subsequently confined.

Post-Natal Service.

No "ad hoc" clinic has been established but 4 women made 4 attendances at the ante-natal clinic and received advice and treatment.

Infant Welfare.

The clinic services continue to give evidence of appreciation on the part of the mothers using them, the number of infants making their first attendance at the centres represented 72% of the total births for the period being an increase of 6% over the year 1947.

Infant deaths, classified according to age and cause of death are shown in Table VIII.

Table VII records the work of the Health Visitors at the centres and in the homes.

SPECIAL TREATMENT CLINICS up to 4th July, 1948.

Sunlight Therapy.

This clinic continues to be held thrice weekly. 37 school children and 26 pre-school children made 887 attendances during the period.

Orthopaedic Clinic.

A consultative session attended by Dr. Johnstone was held every second month, when 57 school children and 46 pre-school children made 105 attendances. In addition, two remedial sessions are held weekly by the orthopaedic nurse. Small classes are held at Durnford Street Clinic at which the orthopaedic nurse gives group instruction in exercises devised to remedy minor postural and foot defects.

73 children made a total of 415 attendances at the Orthopaedic Clinic.

Ophthalmic Clinic.

Eleven pre-school children and 79 school children attended the fortnightly Ophthalmic Clinic, making 368 attendances in all.

Dental Clinic.

Thirteen pre-school children made 15 attendances for advice and treatment. Eleven expectant or nursing mothers attended for advice and treatment, making 17 attendances.

TABLE VII.

CHILD WELFARE CLINICS up to 4th July, 1948.

	1940	1941	1942	1943	1944	1945	1946	1947	1948
Number of children who attended for the first time and who, on the date of their first attendance were :—									
(1) Under 1 year of age	206	260	242	284	351	285	345	459	214
(2) Between the ages of									
1 and 5 years	34	59	52	25	45	32	46	40	11
Percentage of notified births represented by the number of children who on the date of their first attendance were under one year of age ...	46.19	55.56	53.19	58.44	58.60	64.19	60.53	66.42	72.05

Child Welfare Clinics—Table vii—(contd.)

	1940	1941	1942	1943	1944	1945	1946	1947	1948
Number who attended and at the end of the period were :—									
(1) Under 1 year of age	184	229	210	218	328	242	330	431	302
(2) Between the ages of 1 and 5 years	397	410	379	291	382	469	531	539	348
Number of attendances by children :—									
(1) Under 1 year of age	4602	5427	4438	4549	5636	5053	5678	7798	3187
(2) Between the ages of 1 and 5 years	4404	3586	1639	1288	1687	1713	1977	1577	996

Ante-Natal Clinics.

Number of expectant mothers attended ...	71	132	91	119	239	176	266	271	162
Number of attendances by expectant mothers	196	402	124	471	1054	905	1254	1314	675
Percentage of total notified live and still births represented by the number of expectant mothers who attended the Ante-Natal Clinics	15.34	26.83	19.20	23.47	38.74	38.18	45.24	38.60	52.94

Gynaecological and Post-Natal Clinics.

Number of mothers attended	3	7	4	2	11	22	24	9	6
Number of attendances	3	7	4	4	15	28	29	9	8

Health Visiting.

(1) To expectant mothers									
First visits	31	25	23	6	11	17	76	63	36
Total visits	225	187	153	54	72	63	232	211	117
(2) To children under 1 year of age :—									
First visits	482	503	521	435	598	442	551	632	273
Total visits	1880	1650	1631	788	1321	1282	2263	2596	1364
(3) To children between the ages of 1 and 5 years									
Total visits	3369	2745	2125	627	1072	1036	2476	2389	1185

TABLE VIII.
INFANT DEATHS, 1948.

Cause of death	Days		Weeks	Total	Months			Total
	Under 1	1-7	1-4		1-3	3-6	6-12	
Prematurity ...	1	2	1	4	—	—	—	4
Pneumonia ...	—	—	2	2	2	1	2	7
Congenital Defects ...	2	2	1	5	1	—	2	8
Gastro Enteritis—	—	—	—	—	2	—	—	2
Bronchitis ...	—	—	1	1	—	—	—	1
Syphilis... ...	—	—	—	—	—	1	—	1
Total ...	3	4	5	12	5	2	4	23

GENERAL HEALTH SERVICES.

Scabies Treatment Clinic.

During the year the incidence of Scabies further decreased but the facilities at the Health Centre continued to be used.

Affected persons, including all family contacts, are offered treatment at the Health Centre, and a good response has been obtained. Where adequate bathing facilities are available at home, suitable preparations and instructions in their use are supplied, and the patients are kept under supervision. Where home facilities are unsatisfactory, the treatment is carried out by the Health Visitors at the Health Centre. The local Medical Practitioners have co-operated and have referred cases to the Clinic for treatment. Details of the number of individuals, including family contacts, treated are as follows :—

TABLE IX.**Age Distribution.**

	Treated at Home.	Treated at Clinic.	Treated elsewhere e.g., Hospital.	Total
Pre-School ...	1	4	—	5
Schoolchildren	—	23	—	23
Adults ...	7	2	1	10
Total ...	8	29	1	38

The preparations used are Ascabiol and Sulphur.

Verminous Conditions.

Attention to louse infestation has continued throughout the year. Most of these cases are discovered amongst the school population, and wherever possible adult and pre-school contacts are also examined and advised regarding treatment. During the year the following cases were dealt with at the Health Centre :—

TABLE X.**Cleansed at Clinic.**

Pre-school children	...	...	...	...	—
School children	...	...	...	...	14
Adults	...	...	...	...	—
					14

SANITARY CIRCUMSTANCES OF THE AREA, ETC.

SEWAGE DISPOSAL.

The Sewage from this Borough is treated by Manchester Corporation.

WATER SUPPLY.

The town is supplied with water by the Heywood and Middleton Joint Water Board. The supply is upland surface water, of good quality. Details of the catchment area and reservoir installations have been given in previous reports.

1,566 yards of mains were laid during the year for housing development.

No. of houses supplied by the Joint Board ... 10,942

No. of baths in Borough 5,966

During the year the following examinations were made, and the results were satisfactory in all cases.

(a) Raw Water—	Bacteriological	22
	Chemical	23
(b) Water going into supply where treatment is installed—		
	Bacteriological	17
	Chemical	17

Chlorination of the water is in operation, the dosage being 0.2 parts per million.

Precautions taken to prevent contamination by lead include, addition of chalk to saturation point in raw water, followed by sedimentation, filtration and further addition of Soda Ash.

A small number of outlying farms have independent water supplies from wells.

SANITARY SERVICES.

Closest Accommodation.

The following is a list of the types of closets existing in the Borough at the end of the year :—

TABLE XI.

Privy middens	63
Pail closets	195
Waste-water closets	2,873
Fresh-water closets	6,698

Refuse Collection and Disposal.

The weight of refuse collected during the year was 7,780 tons. Of this 6,416 tons were dealt with by the Separation and Salvage Plant and 1,364 tons were disposed of by Controlled Tipping.

On Sunday 7th November, the Separation Plant and buildings were extensively damaged by fire which has been attributed to children trespassing on the Plant and setting alight bales of waste paper. The estimated cost of repairing the damage is £2,000.

From the 7th November until the 31st December, all the refuse was dealt with by Controlled Tipping.

Refuse Collection.

The number of vehicles engaged on this work is five, viz.: three "S & D" Freighters and two "Karrier Bantams". All the vehicles are fitted with steel sliding shutters to the bodies to minimise nuisance from dust.

There are approximately 7,287 moveable ashbins, 1,338 ashpits 348 wall-type dustbins and 195 pail closets in the Borough. Ashbins and pail closets are emptied weekly and ashpits fortnightly.

The majority of the pail closets are in connection with premises in the villages of Bowlee and Birch which are not sewered.

The net cost of Refuse Collection for the financial year ended 31st March, 1949, was £8,150.

Refuse Disposal.

Of the refuse collected, 6,416 tons was dealt with at the Separation and Salvage Plant and 1,364 tons was dealt with by tipping.

The cost of Refuse Disposal for the year amounted to £1,911.

TABLE XII.

Income from Sales of Salvage.

	T.	C.	Q.	£	s.	d.
Waste Paper	207	0	2	1,334	1	0
Textiles	6	4	0	43	10	3
Bones	1	4	2	7	1	8
Kitchen Waste... ..	98	0	1	147	0	5
Baled Destructor Scrap	134	8	3	201	13	2
Bottles and Jars	4	18	1	19	13	0
Broken Glass	11	10	0	14	7	6
Light Scrap	5	2	0	14	2	9
Non-Ferrous Metals	1	1	2	45	14	7
Screened Fuel	391	19	0	185	7	10
Screened Dust	3,562	10	3	—	—	—
Total	4,423	19	2	2,012	12	2

TABLE XIII.
SANITARY INSPECTION OF THE AREA.

The following tables give details of the various inspections carried out by the Sanitary Inspectors during the year:—

RECORD OF INSPECTIONS.

Public Health Act, 1936.

	Inspections made, etc
Drainage work	144
Refuse removal	478
Tents, vans, sheds, etc.	7
Stables, piggeries, etc.	1
Schools	12
Common lodging houses	29
Houses let in lodgings	16
Houses	1,127
Manure dumps	9
Investigation and removal of patients	
Infectious diseases	82
Verminous conditions and disinfestation	71
Miscellaneous visits and re-visits	346
Conversions	16
Total	2338

Housing Act, 1936.

Housing defects	150
Measured for permitted number	52
Investigations overcrowding	50
Miscellaneous visits and re-visits	13
Total	265

Food and Drugs Act, 1938.

Samples taken—Milk designated, for Bacteria	}	33
Milk ordinary, for Bacteria...		
Food preparing etc. premises		134
Dairies		21
Cowsheds		89
Markets and shops		91
Unsound food		97
Butchers' shops		92
Fish and Chip shops		123
Ice Cream shops		71
Miscellaneous visits and re-visits		35
Total		786

Factories Act, 1937.					Inspections made, etc.
Factories with power	...	...	...	...	10
Bakehouses	...	...	...	...	7
					—
Total	...	...	...	...	17
					—
Shops Acts.					
Hours of closing	...	...	...	...	Nil.
Health, etc. (Sec. 10)	...	...	...	...	Nil.
Diseases of Animals Acts.					97
Rats and Mice (Destruction) Act.					
Rat infestation	...	...	...	...	410
Mice infestation	...	...	...	...	175
					—
Total	...	...	...	...	585
					—
Miscellaneous Visits.					
Re-inspection where notices in force	...	...	...	...	1921
Interviews with owners, builders, etc.	...	...	...	...	364
Works in progress	...	...	...	...	35
Public conveniences	...	...	...	...	27
Meetings	...	...	...	...	42
Tip and salvage depot	...	...	...	...	675
Salvage and refuse collection	...	...	...	...	122
Air raid shelters	...	...	...	...	—
Other visits	...	...	...	...	36
					—
Total	...	...	...	...	3222
					—
Total Number of Visits					7310
Complaints.					
Number of complaints during the year	...	...	...	...	825
Notices.					
Informal notices served	...	...	...	...	710
Informal notices complied with	...	...	...	...	563
Statutory notices served	...	...	...	...	39
Statutory notices complied with	...	...	...	...	32

TABLE XIV.**Work carried out in compliance with Notices.**

Drains cleared	125
Drains repaired or re-constructed	20
Rainwater pipes repaired	31
New water-closets installed	22
Water closets repaired	121
Eaves-gutters repaired	47
Sinks provided	3
Bins provided	119
Roofs repaired	56
Other nuisances abated	159
Plasterwork repaired	48
Skirting boards repaired	1
Rising dampness remedied	30
Fire-ranges repaired	12
Floors repaired	18
Sash-cords repaired	6
Dampness remedied	178
Waste pipes remedied	21
Doors repaired	6
Wash boilers repaired	6

TABLE XV.**FACTORIES ACT, 1937.**

Defects found	3
Notices served :—	
(a) Sanitary defects	2 Remedied, 2
(b) Other defects	1 „ 1

TABLE XVI.**ERADICATION OF BED BUGS.**

(a) No. of Council houses found to be infested	1
„ „ „ disinested	1
(b) No. of other houses found to be infested ...	9
„ „ „ disinested	9

INSPECTION AND SUPERVISION OF FOOD.

TABLE XVII.

(a) MEAT AND OTHER FOODS CONDEMNED.

	Tons	Cwts.	Qrs.	Lbs.	Ozs.
Fruit Pulp	14	2	—	—	—
Jams and Preserves	—	—	3	12	8
Fruit Juices	—	—	1	26	8
Fresh Fruit	—	1	—	7	13
Vegetables	—	1	—	1	3½
Tinned Meats (all varieties)	—	4	—	4	5½
Tinned Fish („ „)	—	2	—	18	7
Dry goods	—	8	1	23	3
Assorted goods	1	9	3	8	6¼

Tinned goods (assorted), 383 tins

Jars and Bottles (assorted), 7 jars and bottles.

TABLE XVIII.

(b) MILK SUPPLY.**Milk and Dairies Order, 1926.**

No. of Cowkeepers registered in the district ...	69
No. of Retail Milk Sellers registered	34
No. of Cowshed Inspections during the year ...	89

Samples of milk were taken from producers and retail purveyors of milk for examination by the methylene blue test with the following results :—

TABLE XIX.

Satisfactory	...	...	...	...	...	30
Unsatisfactory	...	...	...	...	...	3

Twenty-six samples of ordinary milk were submitted for biological test for Tubercle Bacilli, one was found to contain Tubercle Bacilli and the remainder were satisfactory.

Milk (Special Designations) Orders 1936 and 1938.

The Lancashire County Council is the Licensing Authority under the above Orders with respect to the production of "Accredited" and "Tuberculin Tested" Milk, and the following licences have been issued and are at present in force in the Borough :

No. of Licences to produce "Tuberculin Tested" Milk	...	...	...	...	...	Nil.
(a) To produce only	...	...	...	...	...	"
(b) To produce and bottle	...	...	...	...	...	"
No. of Licences to produce "Accredited" Milk	...	...	...	...	...	3
(a) To produce only	...	...	...	...	...	—
(b) To produce and bottle	...	...	...	...	...	3

Licences to dealers in Designated Milk were issued by the Local Authority, as follows :—

No. of Licences to deal in "Pasteurised Milk"	1
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**PREVALENCE OF, AND CONTROL OVER,
INFECTIOUS DISEASES.**

Measles cases averaged 25 a month until December, when it occurred in epidemic form.

Table XX shows the number of cases occurring amongst the individual diseases, the number removed to hospital and the deaths occurring in hospital.

Total Cases Notified.**TABLE No. XX.**

Infectious Diseases.	No.	Removed to Hospital.	Deaths in Hospital.
Scarlet Fever	19	9	—
Diphtheria	1	1	—
Pneumonia	18	2	—
Ophthalmia Neonatorum	—	—	—
Puerperal Pyrexia	—	—	—
Erysipelas	3	1	—
Measles	341	3	1
Whooping Cough... ..	285	—	—
Dysentery... ..	1	—	—
Cerebro-Spinal Fever	1	1	—
Pemphigus Neonatorum	1	1	—
	<u>670</u>	<u>18</u>	<u>1</u>

Scarlet Fever.

Nineteen cases of scarlet fever were notified. The cases were scattered over the whole of the borough and over the whole of the year and the disease generally was mild in character. No death occurred.

Diphtheria.

One case of diphtheria occurred during the year.

The responsibility for the control of the immunisation scheme was transferred to the Lancashire County Council on 5th July, 1948. 358 children were immunised through the local authority's scheme whilst a further 116 children were known to have been immunised by private practitioners. In addition, 211 children immunised some years previously received a re-inforcing inoculation during the year.

It is estimated that at the end of 1948, 55.18 per cent. of children under 5 years of age and 79.77 per cent. of children between the ages of 5 and 15 years were immunised against diphtheria. Table XXI shows the progress of the scheme since its inception.

Whooping Cough.

285 cases occurred during the year. The whole of the borough was involved, the cases occurring during the months March to November. No death occurred.

Measles.

341 cases of measles occurred during the year. 71.26 per cent. of the cases were children under 5 years of age. The whole of the borough was involved. 3 cases were admitted to hospital for treatment and one child died in hospital.

TABLE No. XXI.
DIPHTHERIA IMMUNISATION :
Persons Inoculated each year from 1936-1948 by the Local Authority.

Age at date of inoculation	1936		1937		1938		1939		1940		1941		1942		1943		1944		1945		1946		1947		1948		
	*1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
Under 1	-	-	-	-	-	-	-	-	-	-	2	1	-	14	4	8	15	14	9	26	23	18	14	41	44	43	Total inoculated under five years on 31st Dec., 1948: 1,145.
1	-	-	-	-	-	-	-	-	1	-	22	29	36	80	40	66	65	85	101	126	94	75	87	83	93	105	
1½	-	1	-	-	1	1	-	3	1	7	23	12	19	47	9	21	17	25	19	8	18	10	5	9	12	16	
2	1	-	-	-	-	-	3	1	-	-	33	15	11	41	13	19	5	15	12	11	11	6	7	4	9	7	
2½	1	-	1	-	-	1	-	-	-	-	42	15	13	54	5	6	4	5	5	10	11	4	1	2	3	1	
3	-	-	-	1	-	2	1	2	-	-	30	13	12	44	9	6	3	7	6	1	4	2	3	2	1	1	
3½	-	1	-	2	-	1	-	-	-	1	34	9	11	38	4	7	4	5	3	10	5	5	2	2	1	1	
4	1	-	1	1	1	1	1	-	1	1	40	14	12	37	4	14	1	4	4	-	2	2	1	2	-	3	
4½	1	1	2	1	-	1	1	-	-	-	41	15	8	33	6	8	3	8	2	3	5	2	2	-	-	2	
5	1	-	1	-	-	1	1	-	1	3	41	18	16	54	9	11	5	12	-	3	3	3	3	4	2	-	
5½	-	-	-	-	-	-	-	-	-	-	52	19	15	44	6	16	5	13	3	5	6	4	1	4	1	2	
6	-	1	2	1	-	1	-	2	-	-	39	11	17	43	6	12	5	10	-	3	1	2	1	3	-	1	
6½	1	-	-	-	-	-	-	-	-	-	48	9	22	44	6	6	-	6	5	1	2	-	-	-	-	2	
7	1	2	2	2	1	2	-	-	-	-	43	12	23	30	6	12	1	6	5	2	-	1	-	-	-	1	
7½	-	-	-	2	1	-	1	-	1	-	30	11	19	27	3	7	1	5	2	1	2	-	-	-	1	-	
8	-	1	2	-	-	-	-	-	-	-	36	12	13	28	5	9	1	5	-	1	-	-	1	-	-	1	
8½	-	-	2	1	-	-	1	-	-	-	32	5	17	27	3	13	1	11	1	-	1	-	-	-	-	-	
9	-	-	-	-	-	1	-	-	1	1	27	10	19	33	1	8	1	7	3	1	1	-	-	-	-	-	
9½	1	1	-	-	1	-	-	-	-	-	39	12	26	26	5	9	2	5	-	-	2	3	-	-	-	1	
10	-	-	1	-	-	1	-	-	-	-	24	3	21	30	9	11	-	2	2	1	-	-	-	-	-	-	
10½	-	-	-	-	1	-	-	-	-	1	29	4	14	26	5	10	2	6	-	-	-	-	1	-	-	-	
11	-	-	-	1	-	-	1	-	-	-	33	4	22	31	6	20	-	3	-	-	-	1	1	-	-	1	
11½	-	-	-	-	-	-	-	-	-	-	26	8	18	36	1	9	1	9	1	-	1	-	-	-	-	3	
12	-	-	-	-	-	-	-	-	-	-	29	11	8	30	2	10	-	12	1	1	1	-	-	-	-	-	
12½	-	-	-	-	-	-	-	-	-	-	23	1	16	25	1	5	2	2	1	-	3	-	1	-	-	-	
13	1	-	-	-	-	-	-	-	-	-	29	9	18	16	3	8	1	9	3	1	-	-	-	-	-	-	
13½	-	-	-	-	-	-	-	-	-	-	33	5	16	25	5	3	1	11	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	-	6	-	-	4	2	1	-	2	1	-	-	-	-	-	-	-	
14½	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
15 yr.	17		26		19		18		20		1,174		1,409		514		450		404		334		287		358	Total inoculated aged 15 years and over on 31st Dec., 1948: 1,198	

* 1 — January to June. 2 — July to December.

TABLE No. 11
 BIRTHS AND DEATHS

Year	Males		Females		Total
	Births	Deaths	Births	Deaths	
1901	100	10	100	10	200
1902	110	12	110	12	220
1903	120	15	120	15	240
1904	130	18	130	18	260
1905	140	20	140	20	280
1906	150	22	150	22	300
1907	160	25	160	25	320
1908	170	28	170	28	340
1909	180	30	180	30	360
1910	190	32	190	32	380
1911	200	35	200	35	400
1912	210	38	210	38	420
1913	220	40	220	40	440
1914	230	42	230	42	460
1915	240	45	240	45	480
1916	250	48	250	48	500
1917	260	50	260	50	520
1918	270	52	270	52	540
1919	280	55	280	55	560
1920	290	58	290	58	580
1921	300	60	300	60	600
1922	310	62	310	62	620
1923	320	65	320	65	640
1924	330	68	330	68	660
1925	340	70	340	70	680
1926	350	72	350	72	700
1927	360	75	360	75	720
1928	370	78	370	78	740
1929	380	80	380	80	760
1930	390	82	390	82	780
1931	400	85	400	85	800
1932	410	88	410	88	820
1933	420	90	420	90	840
1934	430	92	430	92	860
1935	440	95	440	95	880
1936	450	98	450	98	900
1937	460	100	460	100	920
1938	470	102	470	102	940
1939	480	105	480	105	960
1940	490	108	490	108	980
1941	500	110	500	110	1000
1942	510	112	510	112	1020
1943	520	115	520	115	1040
1944	530	118	530	118	1060
1945	540	120	540	120	1080
1946	550	122	550	122	1100
1947	560	125	560	125	1120
1948	570	128	570	128	1140
1949	580	130	580	130	1160
1950	590	132	590	132	1180
1951	600	135	600	135	1200
1952	610	138	610	138	1220
1953	620	140	620	140	1240
1954	630	142	630	142	1260
1955	640	145	640	145	1280
1956	650	148	650	148	1300
1957	660	150	660	150	1320
1958	670	152	670	152	1340
1959	680	155	680	155	1360
1960	690	158	690	158	1380
1961	700	160	700	160	1400
1962	710	162	710	162	1420
1963	720	165	720	165	1440
1964	730	168	730	168	1460
1965	740	170	740	170	1480
1966	750	172	750	172	1500
1967	760	175	760	175	1520
1968	770	178	770	178	1540
1969	780	180	780	180	1560
1970	790	182	790	182	1580
1971	800	185	800	185	1600
1972	810	188	810	188	1620
1973	820	190	820	190	1640
1974	830	192	830	192	1660
1975	840	195	840	195	1680
1976	850	198	850	198	1700
1977	860	200	860	200	1720
1978	870	202	870	202	1740
1979	880	205	880	205	1760
1980	890	208	890	208	1780
1981	900	210	900	210	1800
1982	910	212	910	212	1820
1983	920	215	920	215	1840
1984	930	218	930	218	1860
1985	940	220	940	220	1880
1986	950	222	950	222	1900
1987	960	225	960	225	1920
1988	970	228	970	228	1940
1989	980	230	980	230	1960
1990	990	232	990	232	1980
1991	1000	235	1000	235	2000
1992	1010	238	1010	238	2020
1993	1020	240	1020	240	2040
1994	1030	242	1030	242	2060
1995	1040	245	1040	245	2080
1996	1050	248	1050	248	2100
1997	1060	250	1060	250	2120
1998	1070	252	1070	252	2140
1999	1080	255	1080	255	2160
2000	1090	258	1090	258	2180