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Contributors

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BURNLEY RURAL DISTRICT COUNCIL.

Annual Report of the MEDICAL OFFICER OF HEALTH

For the Year ended 31st December, 1946.

Mr. Chairman and Gentlemen,

We have the honour to present the Annual Report on the health and sanitary conditions of the district for the year 1946.

The health of the district was very satisfactory throughout the year and there was no excessive or unusual mortality which requires special comment.

The birth-rate of 15.2 per 1,000 of the population was practically the same as in 1945, but was 3.9 lower than the rate for England and Wales.

There were 10 deaths of infants under one year of age, giving an infantile mortality rate of 40.0 per 1,000 births, which was an increase of 15.0 per 1,000 over the previous year and 3 per 1.000 more than the national rate.

Deaths from all causes totalled 236, giving a death-rate of 14·4 per 1,000 of the population, as compared with 203 deaths and a rate of 13·0 per 1,000 in 1945. The death-rate for England and Wales was 11·5.

Of the 236 deaths, 151 were of persons over 65 years of age. The principal causes of death were — Heart disease 72, Cerebral haemorrhage 25, Cancer 24, Bronchitis 12.

Regarding the incidence of infectious disease, it will be noted from the statistics given in the report that the number of cases was considerably below the average for the previous 5 years, especially as regards cases of scarlet fever, measles and whooping cough.

Seven cases of diphtheria occurred, as compared with 15 in 1945. It is interesting to note that 6 of the 7 cases had not received immunisation treatment.

Diphtheria Immunisation continued during the year, and 212 children received primary treatment, which was chiefly carried out at Child Welfare Centres or privately by their own family doctor. In addition, sessions for treatment were held at schools, and 180 children received a secondary or re-inforcing injection. Private practitioners were engaged to give this treatment.

According to the records in the office, 53% of the child population under 5 years of age and 68% between the ages of 5 and 15 had received immunisation treatment at the end of 1946. This percentage is rather low, but no doubt many more children have received treatment privately of which we have no official record. Leaflets were distributed in schools, and the homes of infants were visited by the County Health Visitors, in an endeavour to persuade parents to have their children immunised.

Supervision of the sanitary conditions of the district was well maintained. The position regarding labour and materials still remains difficult, and efforts had therefore of necessity to be concentrated on the more essential repairs necessary to keep dwellings in a reasonable state of repair.

We desire again to acknowledge the good work done by Mr. A. Johnson, Chief Sanitary Inspector, who has throughout the year performed his duties with commendable thoroughness. Much of this report has been compiled by him and we fully appreciate his help.

We are,

Mr. Chairman and Gentlemen, Your obedient Servants,

> D. C. LAMONT. R. E. ROBINSON.

November, 1947

Burnley Rural District Council

YEAR 1946.

Chairman: Councillor R. Tootell.

Vice-Chairman: COUNCILLOR H. JESSOP.

COUNCILLORS:

Altham - - - Herbert Jessop, Pasture Gate, Altham.

Barley - - - G. T. Cook, 6, Pendle View, Barley.

Blacko - - - Irvin Walton, "Hillcrest" Gisburn Road, Blacko.

Briercliffe - - James E. Leaver, Rose Cottage, Cockden, Briercliffe.

Cliviger - - - William Alderson, c.c., 1, Longfield Terrace, Cliviger.

Dunnockshaw - John E. Riley, 4, Prospect Terrace, Dunnockshaw.

Foulridge - - - W. Roberts, "Bankfield," Foulridge.

Goldshaw Booth William Starkie, Craven Lea, Fence, nr. Burnley.

Habergham E. Broxup, 433, Manchester Road, Eaves Habergham Eaves.

Hapton - - - Edward Dinsdale, "Hambleside," Burnley Road, Hapton.

Higham - - - A Brown, 19, Laneside, Higham.

Ightenhill - - - The Rt. Hon. Lord Shuttleworth, M.C., J.P., Gawthorpe Hall, Padiham.

Old Laund Booth C. E. Angus, 2, Forest Avenue, Wheatley Lane.

Read - - - Rev. G. Greatorex, The Vicarage, Read.

COUNCILLORS.—CONTINUED.

Reedley Hallows Richard Tootell, 22, Reedley Grove, Reedley.

Roughlee Booth J. Broughton, Hr. Greystones Farm, Roughlee.

Sabden - - - C. Driver, 23, Pendle Street West, Sabden.

Simonstone and J. R. Ferniough, "Edgeley" South View, Northtown Whin Lane, Simonstone.

Worsthorne-with- Alfred Henry Pickles, J.P., "Bryn Hey,"
Hurstwood Worsthorne.

OFFICIALS :-

Clerk—H. E. Purton (retired 31st December, 1946).

A. Moore, (Appointed 1st January, 1947.)

Medical Officers of Health—D. C. LAMONT, M.B., CH.B., D.P.H. (Temporary). M.O.H., BURNLEY.

R. E. ROBINSON, M.A., M.R.C.S., L.R.C.P., D.P.H., M.O.H., COLNE.

Engineer and Surveyor-F. HEWITT, F.S.I.,

(retired 31st July, 1946.)

H. VARLEY, F.S.I.,

(from 1st August, 1946.)

Sanitary Inspectors—A. Johnson M.S.I.A.

H. WOODCOCK, M.S.I.A.

Council Offices-"OAKLEIGH," REEDLEY, NEAR BURNLEY.

(A) STATISTICS AND SOCIAL CONDITIONS.

II.

Area (in acres)			39841
Population - Census, 1931 .			17521
Estimated mi	d-year 19	46	16290
Number of inhabited houses	(Census 1	931)	5027
Number of families or separa			
Number of inhabited houses	-		
ing to Rate Book			5954
Rateable value			£120702
Sum represented by a 1d. ra	te (estima	ated)	£468
The chief occupations coal mining and dairy farmi		eople are cotton	weaving,
There was practically	no unen	ployment in th	e District
during the year. Social con	nditions,	on the whole, v	vere fairly
satisfactory.	CTATIC	TICC	
VIIAL	STATIS	IICS.	
I	BIRTHS.		
	Male.	Female.	Total.
Live Births :—Legitimate	118	117	235
Illegitimate	7	6	13
	125	123	248
(Birth-rate per 1,000 esti	mated po	pulation mid-194	6 - 15 · 2).
Still Births :— Legitimate	3	3	6
Illegitimate	- ·	-	-
(Rate per 1,000 total	(live and	still) births - 23	0).
	EATHS.		
Male.	Female.	Total.	
116 (Death rate per 1 00	120	236	1
(Death-rate per 1,00	-		.).
MATERN			1.000
D	eaths	Death-rate per	
Puerperal and post-abortive		total (live & still	i) births.
sepsis	- 10	Nil.	
Other maternal causes	1	3.93	
Total material and the	-	0.00	
Total maternal mortality	1	3.93	
	The state of		

DEATHS OF INFANTS UNDER ONE YEAR OF AGE.

	Male.	Female.	Total.
Legitimate	5	5	. 10
Illegitimate	-	The second	The Table
Death-rate of all in	fants per	1,000 live births	- 40.

Death-rate of legitimate infants per 1,000 leg. live births-42. Death-rate of illegitimate infants per 1,000 illeg. live births-Nil.

The following tables shewing the birth and death rates during the last ten years will perhaps be of interest.

BIRTH RATE FOR THE PAST 10 YEARS.

Year.	Births.	Rate per 1,000 of Population.
1937	180	10.1
1938	184	10.3
1939	203	11.6
1940	181	10.4
1941	190	11.0
1942	194	11.5
1943	225	13.6
1944	245	14.9
1945	239	15.3
1946	248	15.2

DEATH RATE FOR THE PAST 10 YEARS.

Year.	No.	Rate pr 1,000 of Population.
1937	241	13.6
1938	182	10.2
1939	242	13.8
1940	232	13.3
1941	248	14.3
1942	225	13.3
1943	255	15.4
1944	212	12.9
1945	203	13.0
1946	236	14.4

INFANTILE DEATHS FOR THE PAST 10 YEARS.

Year.	No.	Rate per
		1,000 births.
1937	8	44.0
1938	8	43.0
1939	11	54.0
1940	8	43.0
1941	8	41.0
1942	4	20.0
1943	12	53.0
1944	14	57.0
1945	6	25.0
1946	10	40.0

Deaths	from	Cancer (all ages)	32
"	"	Measles (all ages)	-
,,,	,,	Whooping Cough (all ages)	-
2,	' ,,	Diarrhoea (under 2 years)	1

	PER 1,0	00 of Esti	MATED POPU	JLATION.		ERNAL TV RATE.	Rate of
Mean of five	Live birth-rate	Crude death-rate	Death-rate from tuber- culosis of resp'tory system	Death-rate from cancer	Per 1,000 Live births	Per 1,000 Total (Live and Still) births	Deaths under One Year per 1,000 live births
1941-1945 Year—	13.2	13.7	0.31	1.65	2.61	2.53	39
1945	15.3	13.0	0.44	1.92	4.18	4.01	25
1946		14.4	0.24	1.96	4.03	3.93	4
Increase or decrease in 1946 on— 5 years'				2010	The control of the co		
average,		KINES S	130	ALT SOLD TO			100
1941-1945		+0.7	-0.07	+0.31	+1.42	+1.40	+1
Previous year	-0.1	+1.4	-0.20	+0.04	-0.15	-0.08	+15

CAUSES OF DEATH.

	The state of the s				Male.	Female.
1	Typhoid and paratyphoi	d fev	ere			
	Cerebro-spinal fever				_ 38	
	Scarlet fever			****		_
	Whooping cough			****	_ 631	_
	Diphtheria				A LANGE	_
	Tuberculosis of respirato				1	3
	Other forms of tuberculo					_
	Syphilitic diseases				100	
	Influenza				1	4
	Measles					
	Acute polio-myelitis and			alitis		_
	Acute infectious encepha				1	_
	Cancer of buccal cavity					
	(males); also cancer of ut				3	10
14.	Cancer of stomach and d				4	
	Cancer of breast				_	1
	Cancer of all other sites				10	14
	Diabetes				_	1
	Intra-cranial vascular les				8	17
19.	Heart Disease				37	35
	Other diseases of circulat	4 11 11	system	****	6	5
	Bronchitis				6	6
22.	Pneumonia				2	3
23.	Other respiratory disease				1	1
	Ulcer of stomach or duoc		n			-
25.	Diarrhoea, under 2 years	of a	ge		-	1
	Appendicitis				-	4000
27.	Other digestive diseases		·		4	3
28.	Nephritis				5	1
29.	Puerperal and post-abort	rive s	epsis		-	-
30.	Other maternal causes				-	1
31.	Premature birth				1	1
32.	Congenital malformation	ns, b	irth inju	ıry,		
					4	2
	Suicide				2	3
	Road traffic accidents				-	-
				****	5	5
36.	All other causes				15	13
					116	120 .

The total number of deaths was 33 more than in the previous year. The average for the previous 10 years was 227 deaths.

SUMMARY OF DEATHS AT VARIOUS AGE PERIODS

	Under 1 year	1-2	2-5	5-15	15-25	25-45	45-65	65-75	75 and over.	Total
Males	5	_	_	-	_	5	29	34	43	116
Females	5	-	-	-	-	8	33	39	35	120
	10	_	_	_	_	13	62	73	78	236

There was no evidence that any of the conditions of occupations or environment had any prejudicial effect on health.

Birth-rates, Civilian Death-rates, Analysis of Mortality, Maternal Mortality and Case rates for certain Infectious diseases in the Year 1946. Provisional figures based on Weekly and Quarterly Returns.

England and Wales. London. Lon		2 ~~~			Since The last
Live Births		and	and Great Towns including	Towns Resident Pop. 25,00-50,000 at	Rural
Still		Rates pe	er 1,000 Civilia	an Population.	
Still	Live Births	19.11	22.2	21.3	15.2
Deaths :— All causes		The second of th			
All causes				THE REAL PROPERTY.	
Typhoid and Paratyphoid 0.00 0.00 0.00 0.00 Scarlet Fever 0.00 0.00 0.00 0.00 Whooping Cough 0.02 0.02 0.02 0.00 Diphtheria 0.01 0.01 0.01 0.01 Influenza 0.15 0.13 0.14 0.3 Smallpox		11.51	12.7	11.7	14.4
Paratyphoid 0.00 0.00 0.00 0.00 Scarlet Fever 0.00 0.00 0.00 0.00 Whooping Cough 0.02 0.02 0.02 0.00 Diphtheria 0.01 0.01 0.01 0.00 Influenza 0.15 0.13 0.14 0.3 Smallpox — — — — Measles 0.00 0.01 0.00 0.00 Rates per 1,000 Live Births:— Deaths under 1 year of Age 43† 46 37 40 Deaths from Diarrhoea and Enteritis under 2 years of age 4.4 6.1 2.8 4.0 Rates per 1,000 Civilian Population. Notifications:— Typhoid Fever 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05					
Scarlet Fever 0.00 0.00 0.00 0.00 0.00 Whooping Cough 0.02 0.02 0.02 0.00 0.00 0.00 0.00 0.00 Diphtheria 0.01 0.01 0.01 0.00 0.00 Influenza 0.15 0.13 0.14 0.3		0.00	0.00	0.00	0.00
Whooping Cough 0.02 0.02 0.02 0.00 Diphtheria 0.01 0.01 0.01 0.00 Influenza 0.15 0.13 0.14 0.3 Smallpox — — — — Measles 0.00 0.01 0.00 0.00 Rates per 1,000 Live Births:— Deaths under 1 year of Age 43† 46 37 40 Deaths from Diarrhoea and Enteritis under 2 years of age 4.4 6.1 2.8 4.0 Rates per 1,000 Civilian Population. Notifications:— Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31			0.00	- 0.00	0.00
Diphtheria 0.01 0.01 0.01 0.00 Influenza 0.15 0.13 0.14 0.3 Smallpox — — — — Measles 0.00 0.01 0.00 0.00 Rates per 1,000 Live Births:— Deaths under 1 year of Age 43† 46 37 40 Deaths from Diarrhoea and Enteritis under 2 years of age 4.4 6.1 2.8 4.0 Rates per 1,000 Civilian Population. Notifications:— Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 <td< td=""><td></td><td></td><td>0.02</td><td>0.02</td><td></td></td<>			0.02	0.02	
Influenza	Diphtheria			0.01	
Smallpox			0.13	0.14	
Measles			_	_	_
Deaths under 1 year of Age			0.01	0.00	0.00
Deaths under 1 year of Age 43† 46 37 40 Deaths from Diarrhoea and Enteritis under 2 years of age 4.4 6.1 2.8 4.0 Rates per 1,000 Civilian Population. Notifications:— Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11	•		er 1.000 Live	Births :-	
of Age 43† 46 37 40 Deaths from Diarrhoea and Enteritis under 2 years of age 4.4 6.1 2.8 4.0 Rates per 1,000 Civilian Population. Notifications:— Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11	D (1 1-1	reacco p	1		7 7 7 7
Deaths from Diarrhoea and Enteritis under 2 years of age 4.4 6.1 2.8 4.0 Rates per 1,000 Civilian Population. Notifications:— Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11		101	16	27	40
and Enteritis under 2 years of age 4.4 6.1 2.8 4.0 Rates per 1,000 Civilian Population. Notifications:— Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11	Of Age		40	31	40
2 years of age 4.4 6.1 2.8 4.0 Rates per 1,000 Civilian Population. Notifications:— Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11					
Rates per 1,000 Civilian Population. Notifications :— Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11		11	61	28	40
Notifications :— 0.01 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11	z years of age				4.0
Typhoid Fever 0.01 0.01 0.01 0.06 Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11		.Rates p	er 1,000 Civili	an Population.	
Paratyphoid Fever 0.02 0.02 0.01 0.00 Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11	Notifications :				
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Cerebro Spinal Fever 0.05 0.05 0.04 0.06 Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11	Paratyphoid Fever	. 0.02		100000000000000000000000000000000000000	The second second
Scarlet Fever 1.38 1.51 1.33 1.53 Whooping Cough 2.28 2.48 2.05 0.61 Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11	Cerebro Spinal Fever	0.05	100000000000000000000000000000000000000		100000000000000000000000000000000000000
Diphtheriz 0.28 0.32 0.31 0.42 Erysipelas 0.22 0.25 0.22 0.12 Smallpox 0.00 0.00 0.00 0.00 Measles 3.92 4.73 3.70 4.11					720000000000000000000000000000000000000
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Measles	Erysipelas		77 77 77 77 77 77	10.70.70.70.70.70	100000000000000000000000000000000000000
Micasics		0.00		The state of the s	
Pneumonia 0.89 1.02 0.74 0.49			200.000.000	1000000	
	Pneumonia	. 0.89	1.02	0.74	0.49

^{*} A dash (—) signifies that there was no deaths.

[†] Per 1;000 related births.

[‡] Rates per 1,000 Total Population.

(B) GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1. Laboratory Facilities.—Specimens for bacteriological and pathological examination are sent to the Burnley Public Health Laboratory, Victoria Hospital, Burnley, and the cost of examination is borne by the Rural District Council.

The number of specimens sent to the Laboratory by medical practitioners and others during 1946 is given on page 24.

2. Ambulance Facilities.—Since 1944 a free ambulance service for all accident and sick cases has been in operation throughout the District, by arrangement with neighbouring local authorities whose motor ambulances are used.

The cost to the Council for the year was approximately £380.

- 3. Nursing in the Home.—There are three Nursing Associations in the District, viz.:—
 - (a) Fence District, which includes the parishes of Old Laund Booth, Higham, Barley, Roughlee, Goldshaw Booth and part of Reedley. One Nurse.
 - (b) Read District includes the parishes of Read, Sabden, Simonstone. One Nurse.
 - (c) Cliviger District includes the parishes of Cliviger, Worsthorne, Hapton, and Habergham Eaves. Two Nurses.
 - (d) Blacko, this township is a member of the Nursing Association in the adjacent Urban District of Barrowford.

Other parishes are served by Nursing Associations in nearby towns through voluntary subscriptions.

The nurses attend to midwifery cases on behalf of the County Council. This service, and indeed the nurses work generally, has been of inestimable value to the District, and is greatly appreciated by the public.

The Associations are maintained by public subscriptions, but the County Council meet the cost of the service in connection with midwifery.

(C)—SANITARY CIRCUMSTANCES OF THE AREA. WATER SUPPLY.

A number of houses were connected to the Council's water supplies in place of unsatisfactory private supplies, viz:—

Damfield Cottages, Cliviger — 12 houses.

Mereclough, Cliviger — 11 houses
Field Top, Fence — 6 houses
Roughlee School, Roughlee — School

Twenty samples of water were taken, 8 from public supplies and 12 from private, as follows:—

PUBLIC WATER SUPPLIES.

Results of Examination.

Township.	Bacteriological.	Chemical.
Briercliffe	Satisfactory	Satisfactory
Cliviger	Unsatisfactory	do.
Foulridge	Satisfactory ·	do.
Hapton	Doubtful	do.
Read (2)	Unsatisfactory (later satisfactory)	do.
Newchurch	Doubtful	do.
Sabden	Doubtful	do.

These results were reported to the Council, and, where necessary, appropriate action was taken by the Surveyor's department to effect an improvement.

PRIVATE WATER SUPPLIES.

Under Pendle Farm,

Barley — Satisfactory

Noyna Hall Farm,

Foulridge — Satisfactory

Higham.

(1) Drinking Fountain Satisfactory

(2) 3, Town Gate do. (3) Fir Trees House do.

Thorneyholme Square,

Roughlee — Doubtful

Crowtrees, Spring Cottages,
Roughlee — Satisfactory

Sabden House, Sabden Fold — Satisfactory

Roadside Well, Sabden Fold — Doubtful

Green Top Farm,
Sabden Fold — Unsatisfactory

School,
Roughlee — Unsatisfactory

Damfield Cottages, Cliviger — Unsatisfactory

The school at Roughlee and the cottages at Damfield, Cliviger, were subsequently connected to the Council's water supply. The pollution of the supply at Green Top Farm was caused by surface water getting into the supply; this was diverted and the supply is now satisfactory.

Of the chemical analyses of the public water supplies, the Analyst reported:—

"The waters are of a good degree of organic purity, and chemically, quite suitable for drinking purposes. The pH values of 4 of the samples are rather on the low side and there might be some tendency to react with lead, although this is not apparent in the samples submitted for analysis."

The samples with a rather low pH value were :—

Sabden supply pH value 6.3
Hapton ,, pH value 5.6
Newchurch ,, pH value 6.3
Foulridge ,, pH value 6.2 "

Steps are being taken to install chlorination plants to all the Council's water supplies.

Details of the estimated number of houses with a piped supply of water are as follows:—

	Piped S	Supplies.	Not Piped.
No. of dwelling houses	From public water mains	From private supplies	Take to be
Altham 231 Barley 82		16 60	7
Blacko 171	119	44	8
Briercliffe 858 Cliviger 603		22 200	13 22
Dunnockshaw 124 Foulridge 483		95 51	9
Goldshaw 73	33	38 30	2 2
Habergham Eaves 250 Hapton 601	540	37	24
Higham 207 Ightenhill 57	57	66	8
Northtown 32 Old Laund Booth 253		13 36	-1
Read	260	24 51	111
Roughlee 115	34	80	1
Sabden	213	56 12	
Worsthorne 580	574	6	-

RIVERS AND STREAMS.

No special action has been taken to check the pollution of rivers and streams in the area. The chief source of pollution is from villages not yet sewered.

DRAINAGE AND SEWERAGE.

There were no important extensions of sewerage nor was any special work carried out in connection with sewage disposal.

Sewerage schemes are needed at Cliviger, Dunnockshaw, part of Briercliffe (Lane Bottom area), and Ightenhill, Newchurchin-Pendle, Simonstone (Clough area), Reedley Hallows (Ainsdale Ave., and Quaker Bridge) Barley and Roughlee.

A sewerage scheme for Cliviger is at present being prepared.

CLOSET ACCOMMODATION.

The following statement shews the number of closet conversions carried out during the year, and for the previous 5 years:—

	1946.	1941—1945.
Waste water closets to fresh water clo	sets —	35
Privies to fresh water closets		-
Privies to pail closets	—	10
Pail closets to fresh water closets		3

The approximate numbers of sanitary conveniences in the District are as follows:—

Fresh-water closets	2419
Waste water closets	.2191
Pail closets	612
Tank closets (cesspools)	423

PUBLIC CLEANSING.

There was no extension or noteworthy improvement during the year in the arrangements for the removal of house refuse and the emptying of cesspools, etc.

At present we have 3 motor vehicles and 2 horses and carts engaged on this work. The motor vehicles are hired, but all the work is done by direct labour. House refuse is disposed of on tips. Great difficulty is being experienced in disposing of closet contents and schemes are in hand to either deposit the material in sewers or take it to sewage works.

House refuse is collected weekly in most parishes and pail closets are emptied weekly throughout the district.

Salvage work was well maintained and the amounts of waste paper and other materials collected compared favourably with those of the previous year.

Particulars of the material collected are as follows:-

		1946.	1945.
Waste Pa	aper	 90 tons.	72½ tons.
Bottles		 76 doz.	148 eoz.
Jars		 94 doz.	162 doz.
Scrap Iro	n	 6 tons.	$5\frac{1}{2}$ tons.
Aluminiu	ım	 2 cwts:	$1\frac{1}{2}$ cwts.
Lead		 2 cwts.	2 cwts.
Brass		 1 cwt.	1 cwt.
Copper		 1 cwt.	68 lbs.
Zinc		 2 qrs.	18 lbs.
Bones		 36 cwts.	30 cwts.

Total R	eceipts	 £667	£553
Rubber		 	1 ton.
String		 5 cwts.	_
Carpets		 3 cwts.	The second second
Woollens		 2 cwts.	Red -
Rags		 $2\frac{1}{2}$ tons.	$3\frac{1}{2}$ tons.

SANITARY INSPECTION OF THE DISTRICT.

The several townships in the District have been regularly inspected.

Fifty-four complaints were received. These were immediately investigated and dealt with.

Number of visits to premises	 	 995
Number of defects or nuisances found	 	 405
Number of notices issued—(a) Preliminary	 	 118
(b) Statutory	 	 14
SIGNAL RESIDENCE OF PRINCIPLE STRONGS	100	
MATTERS DEALT WITH:—		
Defective dustbins renewed	 	 204
Defective sanitary pails renewed	 	 85
Blocked drains opened	 	 24
Burst water pipes repaired	 	 8
New closet pedestals fixed	 	 1
Sink waste pipes repaired	 	 4
Defective drains repaired	 	 3
Septic tanks repaired	 	 6
Defective eaves gutters repaired	 	 11
Defective rain water pipes repaired	 	 6
Blocked waste water closets opened	 	 9
Defective closet structures repaired	 	 2
Back yard surface repaired	 	 1
Defective yard walls rebuilt	 	 5
Defective closet cistern repaired	 	 1
Defective closet door renewed	 	 1
Defective yard door renewed	 	 1
Defective coal-place rebuilt	 	 1
Defective closet tipper repaired	 	 3
House floor repaired	 	 1
Broken windows re-glazed	 	 2
Defective fireplace repaired	 	 1
Defective scullery chimneys renewed	 	 2

SHOPS.

No action was taken during the year under the provisions of the Shops Act, 1934, relating to temperature and ventilation of shops and to sanitary conveniences, nor under the Public Health Act, 1936.

CAMPING SITES.

- (a) Number of sites in the District which were used for camping purposes during 1946 Two
- (b) Number of camping sites in respect of which licences have been issued by the local authority under section 269 of the Public Health Act, 1936 None
- (c) Estimated maximum number of campers resident in the district at one time during the summer season 60

SMOKE ABATEMENT.

No special action was taken with regard to smoke abatement.

SWIMMING BATHS AND POOLS.

No changes or developments during the year.

FACTORIES AND WORKSHOPS.

Several inspections were made and the sanitary conditions generally were found to be satisfactory.

TENTS, VANS, SHEDS, ETC.

No action was taken with regard to tents, vans, sheds, etc. in the district. There are no local byelaws dealing with these or similar structures.

SCHOOLS.

Conditions reported in previous reports are unchanged No school closure took place on account of infectious disease.

DISINFESTATION.

Three houses were dealt with during the year—one for flea infestation and 2 for bugs.

The rooms were fumigated with sulphur candles for the flea infestation and with "Thermatox" fumigators for the bug infestations, and afterwards were sprayed with Zaldecide or Pyagra disinfectant containing D.D.T. The work was done by the Health Department and the results were very satisfactory.

(D) HOUSING.

The housing situation remains much the same as last year.

Ten housing schemes are contemplated in the various parishes and sites have been obtained. Work is in hand on 4 of these schemes.

(a) STATISTICS. Number of new houses erected during the Year: - None. I. Inspection of dwelling-houses during the year:— (1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) 182 (b) Number of inspections made for the purpose 378 (2) (a) Number of dwelling-houses (included under subhead (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932 182 (b) Number of inspections made for the purpose 378 (3) Number of dwelling-houses found to be in a state so dangerous as to be unfit for human habitation... (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ... 49 2. Remedy of defects during the year without service of formal notices :-Number of defective dwelling-houses rendered fit in consequence of informal action by the local authority or their officers 36 3. Action under statutory powers during the year:— (a) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936: (1) Number of dwelling-houses in respect of which notices were served requiring repairs... (2) Number of dwelling-houses which were rendered fit after service of formal notices :-1 (a) By owners ... (b) By Local Authority in default of owners ... 0 Proceedings under Public Health Acts: (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 1 (2) Number of dwelling-houses in which defects were remedied after service of formal notices

(b) by local authority in default of owners...

4.	Housing	Act,	1936.	Part	IV.	Overcrowding.
----	---------	------	-------	------	-----	---------------

(a)	(i) Number of dwellings overcrowded at th	e
,	1 (4) (4)	18
	(ii) Number of families dwelling therein	18
	(iii) Number of persons dwelling therein	. 82
(b)	Number of new cases of overcrowding reported during the year	0
(c)	Number of cases of overcrowding relieved during	g

The repairs effected to houses were of a general character. It was not possible to carry out any reconditioning of property, but every effort was made to get repairs done which would keep the houses in a reasonable state of fitness.

Considerable difficulty was again experienced in getting repairs done on account of shortage of labour and materials.

(E) INSPECTION AND SUPERVISION OF FOOD.

(a) MILK SUPPLY.

Particulars as to the number of dairy farms in the district have been given in previous reports.

The number of inspections made during 1946 ... 428

Notices issued re defects and/or dirty conditions

Improvements effected:-

Huntroyde Home Farm,

(a) Cowshed remodelled.

42

SIMONSTONE. (b) Modern dairy provided.

(b) MEAT AND OTHER FOOD.

Under the Government's war-time scheme of meat control the private slaughterhouses in the district have not been used since the beginning of the war; all slaughtering for this area is at present being done at the abattoir in Burnley.

The butchers' shops, however, have been inspected and generally were found clean and well maintained.

Attention was also paid to other premises where food, including ice-cream, was prepared, and frequent inspections carried out.

The following articles of food were condemned during the year:—

52 of 1 lb. tins of meat.

35 of 2 lbs. tins of jam.

4 tins of condensed milk.

3 tins of peas.

2 tins of salmon.

Pluck, head and part of carcass of a pig.

(c) ADULTERATION, ETC.

The County Council is the Food and Drugs Authority under the Food and Drugs Act, 1938, and deal with adulteration of food, etc.

(d) CHEMICAL AND BACTERIOLOGICAL EXAMINATIONS OF FOOD.

Examinations are carried out at the Burnley Municipal Laboratory. No food was sent for examination during the year.

(e) NUTRITION.

No special action was taken.

(f) SHELL-FISH (MOLLUSCAN).

There are no shell-fish beds or layings in the District.

(F) PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

GENERAL.

As will be seen from the table below, there were 43 fewer cases of infectious disease than in 1945.

Two outbreaks of measles occurred at Foulridge and Hapton during November and December, but apart from these the incidence of infectious disease in any one parish was very slight.

INFECTIOUS DISEASES.

		1941	1942	1943	1944	1945	1946
Smallpox		-		_	-	-	_
Scarlet Fever		47	71	40	39	42	25
Diphtheria		11	1	4	3	15	7
Enteric fever (includit	ng						
paratyphoid)		3	-	-	-	-	1
Measles		146	73	173	33	75	67
Whooping cough		37	22	27	2	16	10
Acute pneumonia		16	11	10	6	9	8
Puerperal pyrexia		_	4	2	2	2	3
Cerebro-spinal fever		4	2	1	-	_	1
Acute poliomyelitis		-		-	_	_	_
Dysentery		-	-	3	4	7	2
Erysipelas		6	8	1	4	3	2
Ophthalmia Neon		1	4	5	-	1	1
	-		-				-
Total		271	196	266	93	170	127
	=	-					-

Scarlet Fever:—The cases were fairly well distributed over the whole district, notifications being received from 13 of the 20 parishes in the district.

The figures shown in brackets are the numbers for the previous year.

Townships from which notifications were received:-

Higham0 (2)
Ightenhill0 (0)
Northtown0 (0)
Old Laund Booth2 (4)
Read1 (0)
Reedley (5)
Roughlee (1)
Sabden0 (0)
Simonstone
Worsthorne

Seasonal Prevalence.

January	3(10)	July	3 (2)
February	.4 (3)	August	3 (2)
March	1 (4)	September	0 (1)
April	.0 (0)	October	5 (2)
May	.2 (4)	November	1 (8)
June	2 (3)	December	1 (3)
A STATE OF THE PARTY OF THE PAR			, ,

Sixteen patients were removed to the Infectious Disease Hospital, being 64% of the total number notified.

There were no deaths.

Diphtheria:—Seven cases occurred, compared with 15 in 1945.

Townships affected:-

Briercliffe2 (5)	Read2 (1)
Hapton (3)	Sabden0 (1)
Habergham Eaves0 (1)	Northtown0 (1)
Cliviger	Worsthorne (1)
Foulridge (1)	

Seasonal Prevalence.

January3	July2
February0	
March0	November1
April1	
May0	allication and an endough

Six of the 7 patients had not received immunisation treatment.

Measles:—The total number of cases was 8 less than in 1945. It will be noticed that 48 of the total number of 67 cases occurred in 3 parishes.

Townships from which notifications wer received:-

Altham 0 (4)	Higham0 (1)
Barley 0 (0)	Ightenhill0 (0)
Blacko2 (0)	Northtown0 (0)
Briercliffe2(27)	Old Laund Booth 3 (3)
Cliviger4 (4)	Read1 (0)
Dunnockshaw	Sabden 0 (6)
Foulridge14 (0)	Reedley4 (7)
Goldshaw Booth0 (0)	Simonstone 0 (0)
Habergham Eaves2 (2)	Worsthorne
Hapton25 (6)	

Seasonal Prevalence.

January0	July0								
February8	August2								
March0	September0								
April0	October6								
May1	November32								
June0	December26								
Pneumonia:—Eight cases we nine in 1944, and an average of	vere notified as compared with 10 in the previous 5 years.								
There were five deaths duri- all un-notified cases.	ng the year from this disease—								
Townships from which no	otifications were received:-								
Briercliffe (1)	Old Laund Booth0 (2)								
Cliviger2 (1)	Reedley0 (1)								
Habergham Eaves0 (2)	Worsthorne								
Seasonal P	revalence.								
	May1								
February1	June1								
March1	November2								
THE A TON THE STREET SHE									
Whooping Cough:—Ten ca with 16 in the previous year. 5 years 1941—1945 was 21.	ses were notified as compared The average number for the								
Townships from which no	otifications were received:								
Briercliffe4	Roughlee1								
Dunnockshaw2	Sabden1								
Old Laund Booth2									
Seasonal Prevalence.									
March4	November1								
	December1								
October3									
Four of the 10 cases came 2 families.	from 2 families, 2 each from								

There were no deaths.

Other Infectious Disease:—None of the other infectious diseases calls for special comment.

Disinfection:—47 houses were disinfected during the year. Fumigation or spraying with formalin is the usual method employed. Where necessary, bedding, etc. is removed to the Burnley Corporation Cleansing Station for steam disinfection.

Pathological and Bacteriological Examinations.

	Total	Negative	Positive
Swabs (Diph)	47	44	3
Sputum (T.B.)	14	13	1
Faeces (Ent. or Dys.)	11	_	_
Blood	4	CONT.	

Diphtheria Immunisation.

The number of children who completed a full course of immunisation during the year was:—

0—4 years of age	 172
5—14 years of age	 40

The percentage of the child population that had received immunisation treatment by the end of 1946, was:—

Under 5 years of age.....53%

Over 5 and under 15 years of age ...68%

The prophylactic used in the Council's scheme was A.P.T.

No post-Schick tests were undertaken.

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING THE YEAR, 1946.

The following analysis of cases of infectious diseases notified, and deaths therefrom, under the various age groups, will perhaps be of interest.

			25	
ths.	al Dea	toT		3
Hospital.		belonging to District		Nil
Но	Total	to Hospital.	1221 1111 111	31
		65 & over	1111 81 111	3
	3	45-65	1111 01111	8
		35-45		8
		20-35		7
1.		15-20		5
Notified	Years.	10-15	001 4	14
Total Cases Notified.	Ye	5-10	1 8 2 2 8	55
Tota		4-5		
		3-4	w	16
		2-3	1111 1114 11-	2
		1-2	1111 1111111-	-
		Under 1		4
1	Total cases	all	10	127
	Notifiable Diseases.		Smallpox Scarlet fever Diphtheria Enteric fever Acute pneumonia (primary & influenzal) Puerperal pyrexia Cerebro-spinal fever Dysentery Measles nophthalmia neonatorum Erysipelas Whooping Cough	

Cancer:—The number of deaths from cancer was 32, two more than in the previous year.

The average number of deaths for the decennial period 1937-1946 was 28.

Localisation of the disease: -

Females:—Lung 1; Pancreas 1; Colon 1; Breast 1; Liver 5; Rectum 1; Others 5.

Males:—Stomach 4; Prostate 2; Oesophagus and mouth 3; Lung 1; Colon 1; Rectum 1; Liver 4; Other 1.

SUMMARY OF DEATHS AT VARIOUS AGE PERIODS.

	15-20	30-35	35-40	40-45	45-50	50-55	55-60	60-65	65-70	70-75	Over 75
Males	-	-	-	1	1	2	1	1	4	3	4
Females		1	-	1		_	3.	4	2	1	3

DEATHS DURING PAST 10 YEARS.

	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
Males	17	14	15	12	16	16	13	14	11	17
Females	11	15	12	16	10	18	12	8	19	15
Total	28	29	27	28	26	34	25	22	30	32

DEATH RATE FOR THE PAST 10 YEARS.

Year.	ear. Cancer Deaths.		Total nur of Dea (all caus	ths	Rate per 100 deaths.		
1937		28		223		12.5	
1938		28		241		11.6	
1939		29		182		15.9	
1940		27		242		11.2	
1941		28		232		12.1	
1942		26		248		10.5	
1943		34		225		15.1	
1944		25		255		9.8	
1945		30		203		14.7	
1946	,,,	32		236		13.6	

TUBERCULOSIS.

101	LICO	LOSIS			
Number of primary notifica	ations	Total.	Pul	monary	Non- Pulmonary
received from medical					
		12		9	3
Un-notified cases (obtained				,	
Death Returns)		1		1	
Total		13		10	3
	-	-	-	-	
Localisation of the Disease :-					
	M.		F.		Total.
Pulmonary Tuberculosis	2		8		10
Kidney	_		1		1
Glands of Neck	_		2		2
·	_	-	_		
	2		11		13
The state of the s					
Occupation of Patients :-					
	Pu	lmonar	ý.	Non-	Pulmonary
Wood Worker		1			
Clerk (Office)		1 .			_
Household Duties		5			
Weavers (Cotton Mill)		2			1
Painter		1			THE .
Children					2
					100 3
		10			3
					-

The following table shews the age periods of new cases and of deaths in the area:—

		New	Cases.	nam	Deaths.			
Age. Periods.	Pulmonary.		Non- Pulmonary.		Pulmonary.		Non- Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0— 1 1— 5 5—10 10—15 20—25 25—35 25—35 35—45 45—55 55—65 65 and upwards	- - - 1 - 1 - -	- - 3 3 1 1 - - 8	, 1111111111111111111111111111111111111	- 1 - - - - - - - - - - - -		- - - - 1 2 - - 3	111111111111111111111111111111111111111	
Totals	1	0	_	3	-	4	-	-

TABLE.

Comparative Statement of Cases Notified during past 10 years.

I	PULMONAR	Y.	Non-Pulmonary.				
Year.	м.	F.	М.	F.	Total		
1937	4	8	2	3	17		
1938	1	7	4	6	18		
1939	5	4	1	4	14		
1940	5	5	5	2	17		
1941	7	4	6	5	22		
1942	3	11	1	-	15		
1943	3	7	-	3	13		
1944	3	3	4-	3	13		
1945	6	7	3	1	17		
1946	2	8		3	13		

The notification of the disease by medical practitioners is very satisfactorily carried out and no case of wilful neglect or refusal to notify has occurred,

Deaths from Tuberculosis.

P	ulmonary.		Non-	-Pulmonar	y.
Year.	М.	F	M.	F.	Total.
1937	3	7	3	1	14
1938	2	-	1	-	3
1939	2	3	-	-	5
1940	4	. 5	-	-	. 9
1941	3	5	3	1	12
1942	3	6	_	1	10
1943	-	2	-	1	3
1944	1	_	- 2	2	3
1945	4	3	-	-	7
1946	1	3	_	-	4

All the deaths were of notified cases.

There does not appear to be any evidence of excessive incidence of, or mortality from, tuberculosis in any particular occupation.

Seven patients were sent to various sanatoria for treatment, and three pulmonary and eight non-pulmonary cases were reported by the County Tuberculosis Officer to have recovered from the disease.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulations, 1925, which relate to persons suffering from pulmonary tuberculosis employed in the milk trade; or under the Public Health Act, 1936, relating to the compulsory removal to a hospital of persons suffering from tuberculosis.

D. C. LAMONT.

R. E. ROBINSON,

Joint Medical Officers of Health.

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