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BOROUGH OF NELSON.

REPORT

OF THE

Medical Officer of Health

For 1935.

R. G. MARKHAM, M.B., D.P.H.,
Medical Officer of Health.

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BOROUGH OF NELSON.

HEALTH COMMITTEE.

COUNCILLOR R. BLAND (Chairman).

COUNCILLOR W. H. HINDLE (Vice-Chairman).

THE MAYOR (ALDERMAN C. SMITHSON).

ALDERMAN E. BOOTHMAN

„ R. J. HUSBAND

„ J. ROBINSON

„ A. SMITH

„ R. WINTERBOTTOM

COUNCILLOR MISS M. AUGHTON

„ MRS. L. A. HALL

„ R. HARTLEY

„ J. HAYDOCK

„ D. J. SPEAK

„ J. STEPHENSON

„ H. W. THROUP

„ J. WIDDUP

„ MISS A. WILSON

Officers of the Public Health Department.

Medical Officer of Health R. G. MARKHAM, M.B., D.P.H.

Chief Sanitary Inspector MR. J. W. INGHAM

Assistant Inspector MR. S. GRINDROD

Assistant Inspector and Chief Clerk MR. S. HAYDOCK

Clerk MR. A. WILDMAN

Health Visitors ... Miss B. E. EDMONDSON, MRS. B. WILKINSON,
and MRS. E. A. SAVILLE-SMITH*

Matron, Maternity Home Miss G. E. MYERS, C.M.B.

* Part time.

LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED BY THE COUNCIL.

- Nelson Water and Gas Act, 1866.
- Nelson Local Board Act, 1879.
- Nelson Improvement Act, 1886.
- Nelson Local Board Act, 1888.
- Nelson Corporation Act, 1903.
- Nelson Provisional Orders, 1871, 1873, 1876, 1890, 1895, 1897, 1899, 1904.
- Borough of Nelson (Extension) Order, 1897.
- The Infectious Disease (Notification) Act, 1889.
- The Public Health Acts Amendment Act, 1890, adopted 1891.
- The Infectious Disease (Prevention) Act, 1890, adopted 1896.
- The Notification of Births Act, 1907, adopted 1911.
- The Public Health Acts Amendment Act, 1907, parts adopted 1912.
- The Nelson Corporation Act, 1921.
- The Public Health Act, 1925, except Sections 15, 35 and 41.

LIST OF BYELAWS RELATING TO SANITARY MATTERS IN FORCE IN THE BOROUGH.

Date of Adoption.

1890—Common Lodging Houses.

1897—Offensive Trades :—

Blood Boiler.

Blood Drier.

Bone Boiler.

Fellmonger.

Tanner.

Leather Dresser.

Soap Boiler.

Tallow Melter.

Fat Melter.

Tripe Boiler.

Glue Maker.

Size Maker.

Gut Scraper.

1897—Nuisances.

1897 & 1907—Slaughter Houses.

1911—Dairies, Cowsheds and Milkshops Regulations.

1912—Sanitary Conveniences.

1926—New Streets and Buildings.

STATISTICAL SUMMARY

1935.

Area, 3,466 Acres.

Population—Census, 1931	38,306
" For Birth and Death Rates	37,090
Inhabited Houses—Census, 1931	11,128
" " Rate Books, 31/12/35	11,686
REGISTERED BIRTHS :	
Live Births—Males, Legitimate	157
" " Females, Legitimate	175
" " Males, Illegitimate	15
" " Females, Illegitimate	6
Total	— 353
Still Births—Males, Legitimate	10
" " Females, Legitimate	10
" " Males, Illegitimate	1
" " Females, Illegitimate	—
Total	— 21
Birth Rate per 1,000 of population	9.5
Birth Rate per 1,000 of population, Illegitimate	0.56
Deaths Registered	460
Crude Death Rate per 1,000 of population	12.4
Adjusted Death Rate	13.2
Deaths from principal Zymotic Diseases	9
Zymotic Death Rate per 1,000 of population	0.24
Deaths of Infants under 1 year :—	
Legitimate	22
Illegitimate	5
Total	— 27
Infantile Death Rate per 1,000 Births	76
" " " " Legitimate	66
" " " " Illegitimate	238
Premature Births	8
Violent Deaths and Suicides	29
Total	37
Rate of above per 1,000 of population	1.0
Number of persons per house (Census 1931)	3.42
Number of persons per acre (Census 1931)	11.05
Excess of Deaths over Births	107

NELSON.

MAY, 1936.

To the Chairman and Members of the Health Committee.

LADIES AND GENTLEMEN,

I have pleasure in submitting the report on the Health and Sanitary condition of the Borough for the year ended 31st December, 1935.

The estimated population of the Borough at the middle of the year is 37,090, and the Birth and Death Rates have been calculated on this figure.

The Birth Rate shows a slight increase on the rate for the previous year, but when comparison is made with the Birth Rates for the whole of the country, and of groups of greater and lesser towns, it again shows that the Nelson rate is considerably below the average.

A slight decrease in the Death Rate is shown when compared with 1934, but the comparison with the figures supplied for the country and its sub-divisions is not favourable to Nelson.

The Infantile Mortality Rate for the year is 76 per 1,000 births, an increase of 19 on the rate for 1934. For England and Wales the Infantile Mortality Rate for 1935 is 57, for the County Boroughs and large towns the rate is 62, and the average rate for the smaller towns is 55.

The total number of infant deaths was 27, and an analysis of these deaths according to age and cause of death, showed that 10 deaths or 37% occurred within 1 week of birth, and that of this number 8 deaths occurred within 24 hours of birth. Also that 19 out of the 27 deaths were due to either congenital malformation, prematurity, or injury at birth. A further point noted was that of 8 deaths from congenital malformation, 6 were due to spina bifida, this being an exceptionally high proportion for this particular defect.

No maternal death has occurred during the year.

Tables are submitted later in the report showing an analysis of the births and deaths, ward distribution, causes of death, and rates from these causes, the age incidence at death and comparisons of the figures with previous years.

During the year a severe epidemic of food poisoning occurred. The infected commodity was prepared and sold in Nelson, but the outbreak extended to the immediate surrounding districts. A special report was presented dealing with the outbreak which showed that information was received of 174 cases in the area, and that 8 deaths occurred, of which 7 were definitely attributable to food poisoning.

The consumption of the food gave rise to a severe gastro-enteritis, and in each case of death the organism isolated was *Bacillus Aertrycke*. Prepared cooked meat and stew were the main commodities giving rise to the outbreak. Both these foods were sold in small portions, and this would account for the large number of cases occurring before the commodities could be withdrawn from sale. Investigations could not indicate a definite origin of the infection, but the probabilities were that a bovine animal, to all appearances in a healthy condition, was a carrier of the organism.

A seizure of unsound meat exposed for sale, was made during the year, the vendor being prosecuted and a fine of £10 and costs inflicted by the Magistrates.

I.—STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area in Acres	3,466
Population, Census 1931	38,306
„ Estimated for Birth & Death Rates for 1935	37,090
Ordnance level, lowest point	350 feet
„ „ highest point	1100 feet
„ „ centre of town	458 feet
Drainage of Surface Water—Natural, chiefly to Walverden Stream and Pendle Water.	
Subsoil—Clay, with understratum of sandstone and outcroppings of coal.	
Number of inhabited houses, Census 1931	11,200
„ „ „ „ 31/12/35, Rate Books	11,686
„ „ persons per house, Census 1931	3.42
„ „ persons per acre, Census 1931	11.05
Rateable Value	£240,022
Sum represented by a penny rate (nett)	£916
Rainfall	Rather Heavy

NUMBER OF INHABITED HOUSES AT 31ST DECEMBER, 1935.

Ward	Total	Houses	Houses and Shops
Walverden	1,928	1,808	120
Clover Hill	1,552	1,473	79
Southfield	1,356	1,247	109
Marsden	1,122	1,095	27
Netherfield.....	1,616	1,491	125
Bradley	1,722	1,604	118
Central	1,056	930	126
Whitefield	1,334	1 248	86
Totals.....	11,686	10,896	790

RAINFALL DURING THE YEAR 1935.

Month	Ogden	Coldwell		Victoria Park
		No 1	No. 2	
January	2.45	2.67	2.85	2.38
February	9.33	7.73	8.60	7.52
March.....	1.89	2.12	2.25	1.72
April	3.42	3.09	3.36	2.80
May.....	1.24	1.44	1.56	1.36
June	4.07	4.75	4.75	4.14
July.....	2.80	2.20	2.54	2.11
August	1.71	1.86	2.05	1.49
September	8.87	7.60	7.98	7.62
October	12.71	8.78	10.52	10.28
November	5.36	5.62	5.71	4.80
December	3.58	3.04	3.49	3.27
Total for year	57.43	50.90	55.97	49.49
Average over Number of years	49.72 (38 yrs.)	...	51.41 (18 yrs.)	46.22 (18 yrs.)

RAINFALL FOR FIVE PREVIOUS YEARS.

	Ogden.	Coldwell		Victoria	Meteorological
	Inches.	No. 1.	No. 2.	Park.	Station
	Inches.	Inches.	Inches.	Inches.	(Cemetery). Inches.
1930	59.51	53.25	60.59	51.52	52.48
1931	56.67	52.57	61.91	46.48	49.44
1932	52.34	46.38	52.82	46.32	44.37
1933	32.22	33.59	37.91	29.38	28.56
1934	48.51	42.69	48.50	41.19	39.20
Average ...	49.85	45.69	52.34	42.97	42.81

METEOROLOGICAL STATION.

Summary of Readings from 1st January to 31st December,
1935.

BAROMETER.

Height of Barometer above Sea Level, 546 feet.

Month	Uncorrected Readings				Pressure at Mean Sea Level					
	Mean reading		Range		Highest reading			Lowest reading		
	Millibars	Inches	Millibars	Inches	Millibars	Inches	Day of Month	Millibars	Inches	Day of Month
January	1002.1	29.592	51.0	1.506	1041.5	30.775	20	989.5	29.220	25
February	982.1	29.001	56.1	1.657	1031.3	30.454	7	973.9	28.759	25
March.....	999.4	29.512	47.1	1.391	1041.2	30.747	8	992.8	29.317	1
April	987.8	29.170	39.8	1.174	1027.8	30.351	28	987.0	29.146	10
May.....	1000.6	29.548	23.5	0.694	1035.2	30.569	8	1010.8	29.849	19
June	990.2	29.241	33.1	0.977	1027.2	30.333	29	994.7	29.373	7
July.....	999.6	29.518	26.9	0.794	1025.3	30.277	25	998.4	29.483	20
August	995.6	29.400	32.7	0.966	1029.8	30.410	6	996.9	29.438	27
September	988.0	29.176	48.8	1.441	1025.4	30.280	10	975.5	28.807	17
October	985.9	29.114	42.2	1.246	1023.4	30.221	18	980.6	28.957	3
November	982.4	29.010	31.2	0.921	1020.9	30.147	25	989.0	29.205	9, 17
December	980.4	28.951	58.8	1.736	1035.9	30.590	10	975.8	28.815	1, 26
For the 12 months	991.2	29.270	66.9	1.976	1041.5	30.775	20th Jan	973.9	28.759	25th Feb.

RAINFALL AND HUMIDITY.

Month	Mean Relative Humid- ity %	Total Rainfall		Mean Daily Rainfall		Greatest fall in one day			No. of days with Rain	No of days with- out Rain
		m. m.	Inches	m. m.	Inches	m. m.	Inches	Day of month		
Jan. ...	92.3	57.40	2.26	1.85	0.07	19.56	0.77	24	23	8
Feb. ...	92.1	194.31	7.65	6.94	0.27	51.35	2.05	15	24	4
Mar. ...	88.9	44.20	1.74	1.43	0.06	19.81	0.78	23	15	16
April ...	81.3	59.69	2.35	1.99	0.08	11.68	0.46	20	20	10
May ...	70.5	28.96	1.14	0.93	0.04	12.95	0.51	16	8	23
June ...	81.4	111.51	4.39	3.72	0.15	17.02	0.67	7	23	7
July ...	80.2	46.74	1.84	1.51	0.06	17.78	0.70	27	13	18
Aug. ...	81.5	39.12	1.54	1.26	0.05	14.73	0.58	23	9	22
Sept. ...	86.7	187.96	7.40	6.27	0.25	33.78	1.33	21	22	8
Oct. ...	88.6	279.15	10.90	9.01	0.35	44.96	1.77	27	26	5
Nov. ...	94.1	124.87	4.92	4.16	0.16	21.84	0.86	14	26	4
Dec. ...	93.1	81.53	3.21	2.63	0.10	11.68	0.46	15	22	9
For the 12 mths.	85.9	1255.44	49.34	3.44	0.14	51.35	2.05	15 Feb	231	134

BRIGHT SUNSHINE.

Month	Total Bright Sunshine hours	Mean Daily Bright Sunshine hours	Highest in one day		No. of days with Bright Sunshine	No of days without Bright Sunshine
			Amount hours	Day of month		
Jan.	27.0	0.9	5.5	27	14	17
Feb.	20.1	0.7	6.3	26	14	14
Mar.	81.1	2.6	10.0	12	23	8
April	146.0	4.9	12.0	21, 28	28	2
May	261.3	8.4	14.5	22	31	0
June	173.8	5.8	15.4	24	29	1
July	207.1	6.7	14.3	30	30	1
Aug.	194.7	6.3	12.3	6	31	0
Sept.	106.1	3.5	10.0	7	26	4
Oct.	45.0	1.5	9.0	6	23	8
Nov.	30.7	1.0	4.4	6	24	6
Dec.	16.5	0.5	3.0	1	15	16
For the 12 mths.	1309.4	3.6	15.4	24 June	298	77

SOCIAL CONDITIONS.

The chief industry of the district is cotton weaving and trades allied thereto. Artificial silk preparation and silk weaving are also carried on. Employment has been more general throughout the year, and the number unemployed, particularly in the staple industries, was considerably less than the previous year.

From the records available, there does not appear to have been any influence on public health generally which could be attributed to any occupation followed in the area.

II.—VITAL STATISTICS.

	Per 1,000 of Population				Maternal Mortality Rate		Rate of Deaths under 1 year per 1,000 Live Births
	Live Birth Rate	Crude Death Rate	Death Rate from Tuberculosis of Respiratory System	Death Rate from Cancer	Per 1,000 Live Births	Per 1 000 Total Live and Still Births	
1934	9.2	12.7	0.53	1.76	8.69	8.10	57
1935	9.5	12.4	0.62	1.26	Nil	Nil	76
Increase or decrease in 1935 on previous year	+0.3	-0.3	+0.09	-0.50	-8.69	-8.10	+19
Mean of 5 years 1930-1934	10.5	13.0	0.48	1.56	6.49	6.14	62
Increase or decrease in 1935 on 5 years average	-1.0	-0.6	+0.14	-0.30	-6.49	-6.14	+14

BIRTHS (Figures supplied by Registrar General).

Total Number of Registered Live Births	353
Males	172
Females	181
Legitimate Males	157
,, Females	175
Illegitimate Males	15
,, Females	6
Total Number of Registered Still-births	21
Males (Legitimate 10, Illegitimate 1)	11
Females (Legitimate 10, Illegitimate 0)	10

BIRTH RATES.

Corrected Birth Rate for year calculated on population of 37,090	9.5
Legitimate Births (alive)	8.9
Illegitimate Births (alive)	0.6
Legitimate Births (still-births)	0.5
Illegitimate Births (still-births)	0.02
Legitimate Births (alive and still-births)	9.5
Illegitimate Births (alive and still-births)	0.6
Total Births (alive and still-births)	10.1
Still-births only	0.6

MONTHLY ANALYSIS OF BIRTHS IN WARDS, 1935 (NOTIFIED).

Month	Bradley		Central		Clover Hill		Marsden		Netherfield		Southfield		Walverden		Whitefield		Total		Out of Borough				Gross Total of Notified Births	
	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead
Jan. ...	1	...	3	...	6	...	5	...	5	...	1	...	4	...	5	...	30	...	...	...	2	...	32	...
Feb. ...	6	...	1	...	2	...	5	...	1	...	7	...	2	...	3	...	27	...	...	...	2	...	29	...
March ...	3	...	3	...	2	...	5	...	6	...	1	...	3	...	5	...	28	...	...	...	2	...	30	...
April ...	6	...	4	...	...	...	3	...	3	...	7	...	1	...	1	...	25	...	...	...	3	...	28	...
May ...	10	...	2	...	2	...	5	...	2	...	5	...	4	...	2	...	32	...	...	...	1	...	34	...
June ...	5	...	1	...	2	...	...	...	4	...	1	...	3	...	2	...	18	...	...	...	3	...	21	...
July ...	9	...	2	...	2	...	6	...	2	...	1	...	3	...	3	...	28	...	...	...	1	...	29	...
Aug. ...	5	...	2	...	1	...	2	...	5	...	6	...	1	...	3	...	25	...	...	...	...	...	26	...
Sept. ...	3	...	4	...	3	...	3	...	2	...	3	...	3	...	5	...	26	...	...	...	...	...	26	...
Oct. ...	5	...	2	...	2	...	3	...	3	...	2	...	3	...	4	...	24	...	...	...	1	...	25	...
Nov. ...	4	...	...	...	2	...	2	...	3	...	1	...	7	...	2	...	21	...	...	...	1	...	22	...
Dec. ...	4	1	2	...	4	1	7	...	5	...	4	...	3	...	3	...	32	2	...	...	...	...	32	2
Total...	61	1	26	...	28	3	46	3	41	2	39	2	37	5	38	3	316	19	3	...	15	...	334	19

Births in the Fern Lea Maternity Home are allocated to the Wards of the Borough in which the patients reside.

DEATHS. (Figures supplied by Registrar-General).

Total number of deaths in district	368
Number of deaths of non-residents	13
Number of deaths of residents occurring outside the Borough	105
Total Nett Deaths for the year	460
Crude Death Rate, calculated on population of 37,090	12.4 per 1,000
Adjusted Death Rate (Comparability Factor, 1.07)	13.2 per 1,000
Decrease on last year	0.3
Excess of Deaths over Births in 1928	32
Excess of Deaths over Births in 1929	126
Excess of Deaths over Births in 1930	14
Excess of Deaths over Births in 1931	100
Excess of Deaths over Births in 1932	70
Excess of Deaths over Births in 1933	142
Excess of Deaths over Births in 1934	131
Excess of Deaths over Births in 1935	107
Average excess of Deaths over Births for 8 years	90

CAUSES OF DEATH.

ALL CAUSES.				Males 231	Females 229
		M.	F.		
1	Typhoid & Paratyphoid Fevers.....	...	...	21	Other Respiratory Diseases 2 3
2	Measles ..... ..	...	..	22	Peptic Ulcer 5 1
3	Scarlet Fever 2 1	2	1	23	Diarrhoea, &c. (under 2 years) ... 1 ...
4	Whooping Cough ... ..	...	...	24	Appendicitis 4 2
5	Diphtheria 1 2	1	2	25	Cirrhosis of Liver... ..
6	Influenza 2 5	2	5	26	Other Diseases of Liver, &c. 2 4
7	Encephalitis Lethargica.....	...	...	27	Other Digestive Diseases 9 10
8	Cerebro-Spinal Fever ..... ..	...	...	28	Acute and Chronic Nephritis 3 8
9	Tuberculosis of Respiratory System	10	13	29	Puerperal Sepsis
10	Other Tubercular Diseases 2 ...	2	...	30	Other Puerperal causes
11	Syphilis 1 1	1	1	31	Congenital Debility Premature Birth Malformation,&c 11 8
12	General Paralysis of the Insane Tabes Dorsalis...	2	...	32	Senility 7 8
13	Cancer, Malignant Disease 25 22	25	22	33	Suicide 9 5
14	Diabetes 7 6	7	6	34	Other Violence..... 10 5
15	Cerebral Hæmorrhage, &c..... 16 9	16	9	35	Other defined Diseases 15 19
16	Heart Disease 59 62	59	62	36	Causes ill-defined or unknown
17	Aneurysm ..... ..	...	...
18	Other Circulatory Diseases 9 15	9	15		Special causes included in No. 35
19	Bronchitis 11 12	11	12		Smallpox
20	Pneumonia <i>all forms</i> 6 8	6	8		Poliomyelitis..... ..
					Polioencephalitis

DEATH RATES PER 1,000 OF POPULATION FROM VARIOUS CAUSES.
COMPARISON WITH THE FIVE PREVIOUS YEARS.

CAUSE OF DEATH	Death Rate per 1,000 of Population.					
	1935	1934	1933	1932	1931	1930
All Causes	12·4	12·7	14·2	12·8	13·0	12·1
Typhoid and Paratyphoid Fevers ...	...	...	...	0·026	...	...
Measles ... ..	...	0·027	0·026	...	...	0·125
Scarlet Fever ...	0·081	0·053	0·053	...	...	...
Whooping Cough ...	...	0·027	0·079	0·026	0·051	0·025
Diphtheria	0·081	0·027	0·026	0·026	0·077	0·025
Influenza	0·188	0·134	0·081	0·287	0·491	0·150
Encephalitis Lethargica ... ..	...	0·053	0·053	0·052	...	0·100
Cerebro Spinal Fever ...	...	0·027	...	...	...	...
Tuberculosis of Respiratory System	0·620	0·535	0·451	0·549	0·388	0·503
Other Tubercular Diseases	0·054	0·241	0·185	0·183	0·129	0·050
Syphilis	0·054	0·053	0·106	...	0·051	...
General Paralysis of the Insane, tabes dorsalis	0·054	...	...	0·026	0·025	...
Cancer, Malignant Disease	1·267	1·766	1·750	1·386	1·708	1·232
Diabetes	0·350	0·375	0·238	0·156	0·181	0·201
Cerebral Hæmorrhage, &c. ...	0·674	0·696	0·716	0·941	1·086	0·903
Heart Disease	3·262	3·105	3·712	3·505	3·002	2·590
Aneurysm ... ..	...	0·080	...	0·052	0·025	...
Other Circulatory Diseases	0·647	0·856	0·610	0·837	0·697	0·578
Bronchitis	0·620	0·348	0·875	0·654	0·776	0·628
Pneumonia, all forms	0·377	0·455	0·636	0·523	0·517	0·452
Other Respiratory Diseases	0·134	0·053	0·132	0·052	0·129	...
Peptic Ulcer	0·161	...	0·132	0·052	0·103	0·100
Diarrhœa, &c. (under 2 years) ...	0·027	0·107	...	...	0·025	0·075
Appendicitis	0·161	0·053	0·106	0·052	0·103	0·075
Cirrhosis of Liver ...	...	...	0·106	0·078	0·025	0·025
Other Diseases of Liver, etc.	0·161	0·214	0·079	0·209	0·051	...
Other Digestive Diseases	0·512	0·375	0·238	0·313	0·517	...
Acute and Chronic Nephritis	0·296	0·455	0·371	0·523	0·336	0·427
Puerperal Sepsis ...	...	...	...	0·026	...	0·050
Other Puerperal Causes ... ..	...	0·080	0·106	0·026	0·025	0·025
Congenital Debility, Premature Birth, Malformations, etc	0·512	0·241	0·451	0·444	0·259	0·603
Senility	0·404	0·428	0·397	0·549	0·517	...
Suicide	0·377	0·214	0·185	0·156	0·259	0·226
Other Violence ...	0·404	0·482	0·424	0·209	0·362	0·528
Other defined Diseases	0·916	1·124	0·954	0·758	1·139	2·389
Causes ill-defined or unknown ... ..	...	0·053	0·026	0·130	0·025	...
Special Causes (included in other diseases) ... ..	...	...	...	...	...	...
Smallpox ... ..	...	...	...	...	...	...
Poliomyelitis ... ..	...	...	...	...	...	...
Polioencephalitis ...	...	...	...	0·026	...	...

COMPARISON OF NUMBER OF DEATHS FROM VARIOUS CAUSES, WITH
CORRESPONDING FIGURES FOR 1934.

Causes of Death	No. of Deaths 1935	No. of Deaths 1934	Increase for Year	Decrease for Year
Typhoid and Paratyphoid Fevers .....	...	...	...	...
Measles .....	...	1	...	1
Scarlet Fever	3	2	1	...
Whooping Cough .....	...	1	...	1
Diphtheria	3	1	2	...
Influenza	7	5	2	...
Encephalitis Lethargica .....	...	2	...	2
Cerebro Spinal Fever .....	...	1	...	1
Tuberculosis of Respiratory System ...	23	20	3	...
Other Tuberculous Diseases	2	9	...	7
Syphilis	2	2	...	...
General Paralysis of the insane, tabes dorsalis	2	...	2	...
Cancer, Malignant Disease	47	66	...	19
Diabetes	13	14	...	1
Cerebral Hæmorrhage, etc.	25	26	...	1
Heart Disease	121	116	5	...
Aneurysm .....	...	3	...	3
Other Circulatory Diseases	24	32	...	8
Bronchitis	23	13	10	...
Pneumonia (all forms)	14	17	...	3
Other Respiratory Diseases	5	2	3	...
Peptic Ulcer	6	...	6	...
Diarrhœa, etc. (under 2 years)	1	4	...	3
Appendicitis	6	2	4	...
Cirrhosis of Liver .....	...	...	...	...
Other diseases of Liver, etc.	6	8	...	2
Other Digestive Diseases	19	14	5	...
Acute and Chronic Nephritis	11	17	...	6
Puerperal Sepsis .....	...	...	...	...
Other Puerperal Causes .....	...	3	...	3
Congenital Debility, Premature Birth, Malformations	19	9	10	...
Senility	15	16	...	1
Suicide	14	8	6	...
Other Violence	15	18	...	3
Other defined diseases	34	42	...	8
Causes ill-defined or unknown .....	...	2	...	2
Special causes (included in other diseases):—				
Smallpox .....	...	...	...	...
Poliomyelitis .....	...	...	...	...
Polioencephalitis .....	...	...	...	...

SUMMARY OF AGES AT DEATH.

Age Groups	Deaths in Nelson		Outward Tra'sfers		Inward Tra'sfers		Total Deaths allocated to Nelson			% of each group to total deaths
	M	F	M	F	M	F	M.	F.	Total	
Under 1 year.....	15	8	1	1	4	2	18	9	27	5.9
Over 1 and under 2 years	2	1	...	...	...	...	2	1	3	0.7
" 2 " 5 "	2	1	1	...	...	...	1	1	2	0.4
" 5 " 10 "	5	2	...	...	...	...	5	2	7	1.5
" 10 " 15 "	...	1	...	...	...	...	..	1	1	0.2
" 15 " 20 "	1	3	...	...	...	1	1	4	5	1.1
" 20 " 25 "	2	6	...	...	...	1	2	7	9	2.0
" 25 " 30 "	6	8	1	...	1	2	6	10	16	3.5
" 30 " 35 "	3	7	...	1	1	1	4	7	11	2.4
" 35 " 40 "	2	7	...	...	...	1	2	8	10	2.2
" 40 " 45 "	2	2	1	...	1	3	2	5	7	1.5
" 45 " 50 "	7	8	...	...	7	4	14	12	26	5.7
" 50 " 55 "	7	9	...	1	6	4	13	12	25	5.4
" 55 " 60 "	17	12	2	...	4	5	19	17	36	7.8
" 60 " 65 "	16	18	1	...	7	4	22	22	44	9.6
" 65 " 70 "	32	18	1	...	12	4	43	22	65	14.1
" 70 " 75 "	27	33	...	1	8	8	35	40	75	16.3
" 75 " 80 "	16	24	...	...	8	2	24	26	50	10.9
" 80 " 85 "	10	15	...	1	2	...	12	14	26	5.6
" 85 " 90 "	2	9	...	...	2	...	4	9	13	2.8
" 90 " 95 "	2	...	...	...	...	...	2	...	2	0.4
Totals.....	176	192	8	5	63	42	231	229	460	...

% of deaths of 70 years and over, 36.1

MONTHLY ANALYSIS OF DEATHS IN WARDS IN 1935.

Month	Bradley			Central			Clover Hill			Marsden			Netherfield			Southfield			Walverden			Whitefield			Total				
	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T	Deaths in Nelson	Out T	In T					
Jan.	2	...	2	4	...	...	8	...	2	...	...	...	5	...	...	1	...	3	3	...	3	1	...	2	...	26	...	10
Feb.	4	...	...	1	...	...	8	...	2	...	...	...	4	...	...	1	...	1	3	...	3	5	...	1	...	29	...	8
Mar.	6	...	1	7	...	...	1	...	9	...	...	...	4	...	...	1	...	...	...	6	...	...	1	...	2	...	3	6
Apr.	8	...	...	7	...	...	8	...	2	...	...	...	5	...	...	2	...	...	4	...	4	...	...	1	...	40	...	9
May	...	...	3	4	...	...	4	...	1	...	...	...	5	...	...	1	...	...	4	...	7	...	...	2	...	25	...	13
June	3	...	2	5	2	...	4	3	1	6	...	6	2	...	33	...	7
July	6	...	4	1	4	...	3	4	1	3	...	3	2	2	...	27	...	12
Aug.	5	...	2	1	2	...	1	1	1	1	1	...	13	...	7
Sept.	5	1	2	...	4	6	1	...	2	...	2	1	...	27	...	7
Oct.	6	...	...	2	...	...	3	...	2	...	...	...	7	...	...	1	...	1	...	1	...	5	...	...	...	32	...	6
Nov.	8	3	4	...	1	3	1	5	1	2	...	31	...	5
Dec.	9	...	2	4	...	...	6	...	3	...	...	...	4	...	...	1	...	...	7	...	...	...	...	3	...	41	...	15
Totals	62	8	16	40	1	6	52	...	34	...	9	51	2	18	...	48	1	14	47	...	14	34	1	17	368	13	105	460	
Nett Deaths	70			45			63			43			67			61			61			50							

MONTHLY ANALYSIS OF DEATHS SHOWING RATES.

Month	Actual Deaths in Nelson		Outward Transfers		Inward Transfers		Nett Deaths for Nelson	
	Number	Death Rate	Number	Death Rate	Number	Death Rate	Number	Death Rate
Jan.....	26	8.4	...	...	10	3.2	36	11.6
Feb	29	9.4	...	...	8	2.5	37	11.9
Mar. ..	44	14.2	3	0.9	6	1.9	47	15.2
April	40	12.9	2	0.6	9	2.9	47	15.2
May.....	25	8.0	1	0.3	13	4.2	37	11.9
June ...	33	10.6	2	0.6	7	2.2	38	12.2
July.....	27	8.7	...	...	12	3.8	39	12.5
Aug. ...	13	4.2	1	0.3	7	2.2	19	6.1
Sept. ...	27	8.7	2	0.6	7	2.2	32	10.3
Oct.....	32	10.3	1	0.3	6	1.9	37	11.9
Nov. ...	31	10.0	...	...	5	1.6	36	11.6
Dec	41	13.2	1	0.3	15	4.8	55	17.7

AVERAGE AGE AT WHICH DEATH OCCURRED.

	1935			1934	1933	1932
	Male	Female	Total Persons	Total Persons	Total Persons	Total Persons
Deaths in Nelson :						
Excluding infants under 12 months	58.75	60.20	59.52	61.24	59.46	60.67
Including infants under 12 months	53.76	57.70	55.81	58.64	55.64	57.38
Deaths in Nelson of non-residents :						
Excluding infants under 12 months	45.57	58.00	50.09	53.12	52.70	62.30
Including infants under 12 months	39.87	46.40	42.38	53.12	45.82	61.30
Deaths of residents of Nelson in other districts :						
Excluding infants under 12 months	64.25	53.12	59.69	55.87	53.89	58.83
Including infants under 12 months	60.18	50.60	56.34	54.06	51.68	58.21
Nett deaths allocated to Nelson :						
Excluding infants under 12 months	60.93	59.50	60.21	60.49	58.71	60.27
Including infants under 12 months	56.20	57.17	56.68	57.95	55.35	57.44

INFANTILE MORTALITY.

Total number of Deaths under 1 year of age in Nelson	23
Number of Deaths of Infants in Nelson non-resident	2
Number of Deaths of Infants outside Nelson transferred to Nelson	6
Nett Deaths under 1 year	27
Increase on last year	7
Infantile Mortality Rate	76
Average for the previous five years per 1,000 births	62

The causes of deaths of Infants during the last ten years are shown in the following table.

Year	Infectious Diseases	Diarr- hoeal Diseases	Premature Births, Congenital Defects and Injury at Birth	Wasting Diseases	Chest Diseases	Other Diseases	Total
1926	2	2	10	3	7	3	27
1927	...	4	15	1	1	4	25
1928	1	5	10	2	6	1	25
1929	2	1	8	6	7	2	26
1930	...	2	26	2	2	5	37
1931	2	1	10	1	3	1	18
1932	1	...	16	1	5	...	23
1933	4	...	17	2	4	4	31
1934	3	3	9	...	5	...	20
1935	...	1	19	2	3	2	27

COMPARISON OF INFANTS' DEATHS AT VARIOUS AGE PERIODS.

AGE GROUP.	1935			1934		
	No. of Deaths	% of Infant Deaths	Mortality Rate per 1000 Births	No. of Deaths	% of Infant Deaths	Mortality Rate per 1000 Births
Under 1 day	8	29.6	23	3	15.0	9
Over 1 day and under 2 days	1	3.7	3	2	10.0	6
" 2 days " 3 " .....	...	...	...	1	5.0	3
" 3 " " 4 " .....	...	...	...	1	5.0	3
" 4 " " 5 " .....	...	...	...	...	...	...
" 5 " " 6 " .....	...	...	...	...	...	...
" 6 " " 7 "	1	3.7	3	...	...	...
Total under 1 week.....	10	37.0	29	7	35.0	20
Over 1 week and under 2 weeks ...	2	7.4	5	1	5.0	3
" 2 weeks " 3 " ...	2	7.4	5	...	...	...
" 3 " " 4 " ...	1	3.7	3	3	15.0	9
Total under 1 month.....	15	55.5	42	11	55.0	32
Over 1 month and under 3 months	5	18.5	15	3	15.0	9
" 3 months " 6 "	4	14.8	11	2	10.0	6
" 6 " " 9 "	1	3.7	3	1	5.0	3
" 9 " " 12 "	2	7.4	5	3	15.0	9
TOTAL DEATHS.....	27	100.0	76	20	100.0	59

COMPARISONS OF INFANTILE MORTALITY RATES PER QUARTER AND
PER MONTH (NOTIFIED BIRTHS).

	Number of Infant Deaths.	Infantile Mortality Rate.
March quarter	8	88
June quarter	8	96
September quarter	1	12
December quarter	10	126

Month.	No. of Live Births Notified.	No. of Infant Deaths for month.	Total to-date.	Infant Mortality Rate for month.	to-date.
January	32	3	3	94	94
February	29	3	6	103	98
March	30	2	8	66	88
April	28	1	9	35	75
May	34	3	12	88	78
June	21	4	16	190	92
July	29	1	17	35	83
August	26	—	17	—	73
September	26	—	17	—	66
October	25	2	19	80	68
November	22	2	21	91	69
December	32	6	27	187	80

INFANTILE MORTALITY RATES ACCORDING TO VARIOUS CAUSES OF
DEATH.

Cause of Death	No. of Deaths.	Rate per 1,000 Births.
Prematurity	8	22
Congenital Defects	9	25
Injury at Birth	2	5
Marasmus	2	5
Gastro-Enteritis	1	3
Bronchitis	2	5
Pneumonia	1	3
Endocarditis (Rheumatism)	1	3
Accidental	1	3

INFANTILE MORTALITY DURING THE YEAR 1935. **Nett Deaths from stated causes at various ages under One Year.**

CAUSES OF DEATH.	Under 1 day	1 and under 2 days	2 and under 3 days	3 and under 4 days	4 and under 5 days	5 and under 6 days	6 and under 7 days	Total under 1 week	1 and under 2 wks.	2 and under 3 wks.	3 and under 4 wks.	Total under 4 wks.	1 and under 5 mths.	3 and under 6 mths.	6 and under 9 mths.	9 and under 12 mths.	Total under 1 year
ALL CAUSES.	8	1	...	...	...	...	1	10	2	2	1	15	5	4	1	2	27
Smallpox
Chickenpox
Measles
Scarlet Fever
Whooping Cough
Diphtheria and Croup
Erysipelas
Tubercular Meningitis
Abdominal Tuberculosis
Other Tuberculous Diseases
Meningitis (not Tuberculous)
Convulsions
Influenza
Bronchitis
Pneumonia (all forms)
Diarrhoea
Enteritis
Gastritis
Syphilis
Rickets
Suffocation
Injury at Birth	2	...	...	...	...	...	...	2	...	...	...	2	...	...	1	...	2
Atelectasis
Congenital Malformations	3	1	...	...	...	...	1	5	1	1	1	8	...	...	...	...	8
Premature Birth	3	...	...	...	...	...	...	3	1	1	...	5	2	1	...	...	8
Atrophy, Debility, Marasmus	1	1	...	...	2
Other Causes	1	1
Totals	8	1	...	...	...	...	1	10	2	2	1	15	5	4	1	2	27

BIRTHS AND DEATHS CLASSIFIED IN WARDS.
(NOTIFIED BIRTHS).

Ward	Live Births Notified	Deaths Registered	Infantile Deaths Registered	Infantile Mortality Rate
Bradley	61	70	4	65
Central	26	45	1	38
Clover Hill	28	63	1	35
Marsden.....	46	43	...	...
Netherfield.....	41	67	6	146
Southfield	39	61	3	77
Walverden.....	37	61	7	189
Whitefield	38	50	5	131
Total.....	316	460	27	85

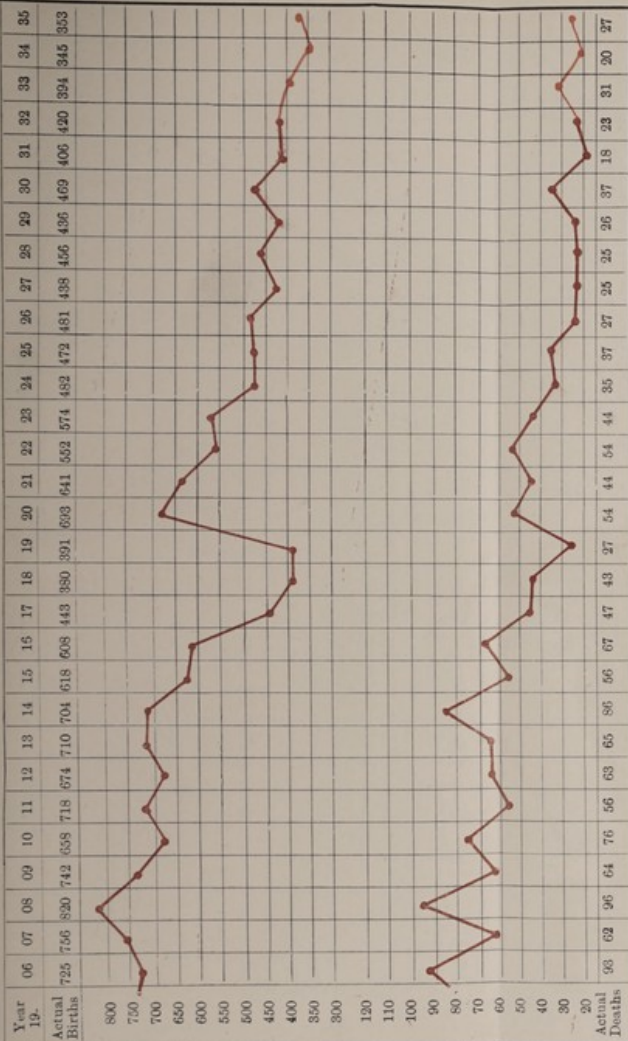
BIRTH AND DEATH RATES IN NELSON FOR THE LAST TEN YEARS.
(Per 1,000 of population).

Year	Birth Rate	Crude Death Rate	Zymotic Death Rate	Infantile Death Rate per 1000 Births
1926	12.0	11.8	0.18	56
1927	11.0	12.9	0.22	57
1928	11.5	12.3	0.15	54
1929	10.9	14.1	0.22	59
1930	11.7	12.1	0.25	78
1931	10.5	13.0	0.16	44
1932	10.9	12.8	0.08	54
1933	10.4	14.2	0.21	78
1934	9.2	12.7	0.24	57
1935	9.5	12.4	0.19	76
Average for 10 years	10.76	12.83	0.19	61

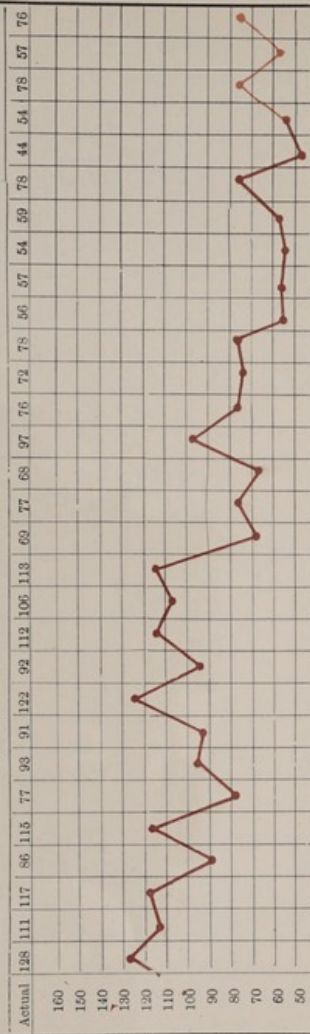
The particulars for the year have been added to the the appended diagram, showing continuously for the years 1906 to 1935.

- A.—The actual number of births year by year in Nelson.
- B.—The actual number of infant deaths year by year in Nelson.
- C.—The actual Infantile Death Rate per 1,000 births.
- D.—The Birth Rate per 1,000 of population.

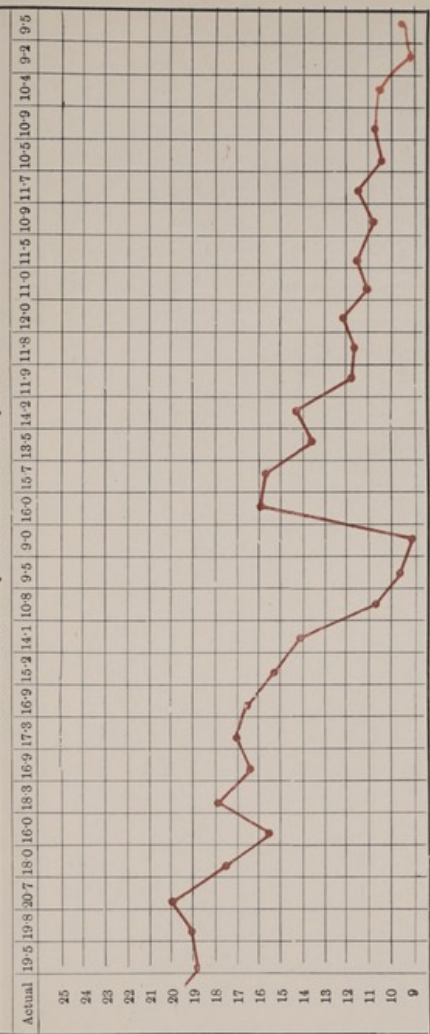
Actual Number of Births and Infant Deaths per year from 1906



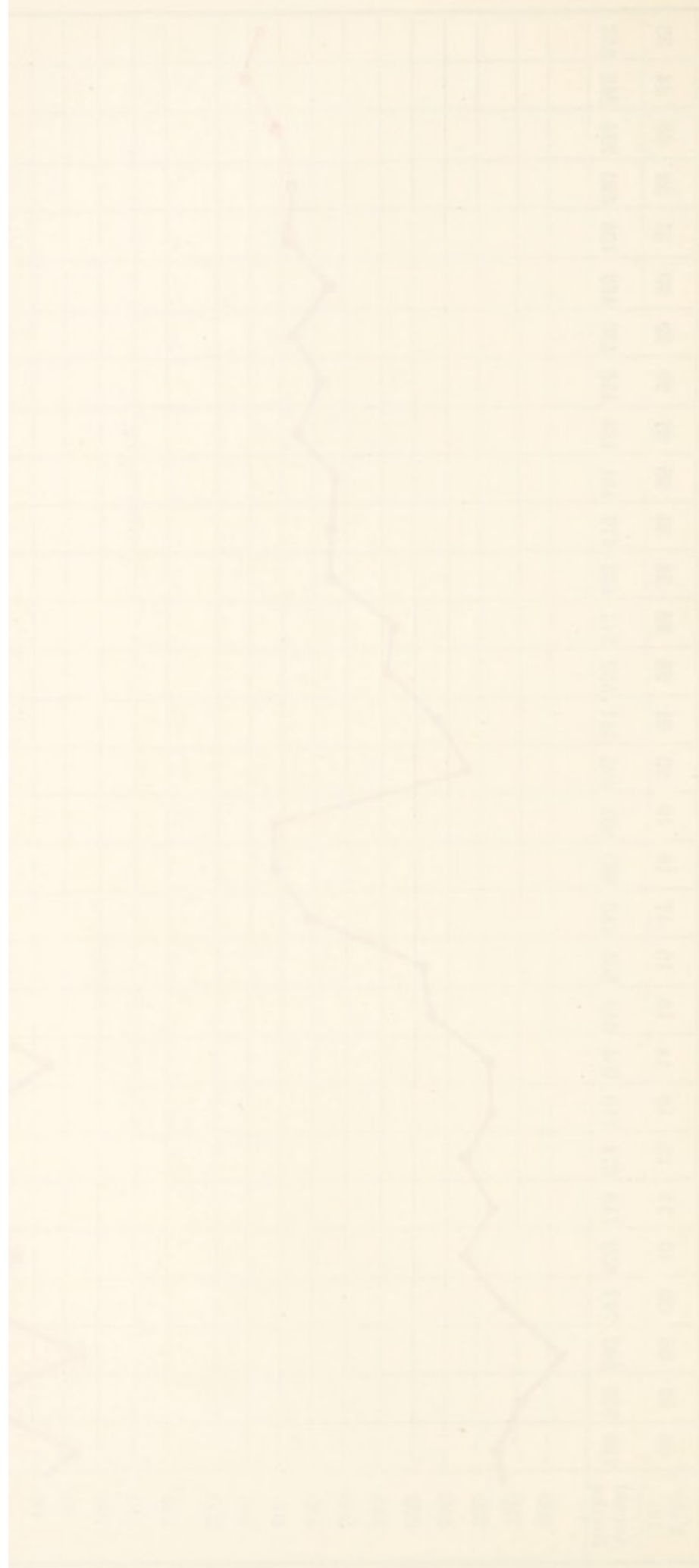
Infantile Death Rate per 1000 Births



Birth Rate per 1000 Population



Journal of the Proceedings of the General Assembly of the Synod of the Presbyterian Church in the United States of America, 1854



VITAL STATISTICS OF WHOLE DISTRICT DURING 1935 AND PREVIOUS YEARS.

Year	Population estimated to middle of each year	Live Births			Total Deaths Registered in the District		Transferable Deaths		Nett Deaths belonging to the District					
		Un- corrected Number (notified)	Nett (Registered)		Number	Rate	Of Non- residents regist'r'd in the District	Of Resi- dents not regis- tered in District	Under 1 year of age		At all ages			
			Number	Rate					Number	Rate	Number	Rate per 1000	Nett Births	Crude Rate
1	2	3	4	5	6	7	8	9	10	11	12	13		
1926	39820	508	481	12.0	407	10.2	13	78	27	56	472	11.8		
1927	39810	451	438	11.0	461	11.5	18	74	25	57	517	12.9		
1928	39560	472	456	11.5	417	10.5	10	81	25	54	488	12.3		
1929	39760	446	436	10.9	470	11.8	12	104	26	59	562	14.1		
1930	39760	479	469	11.7	405	10.1	10	88	37	78	483	12.1		
1931	38640	415	406	10.5	413	10.7	10	103	18	44	506	13.0		
1932	38230	418	420	10.9	405	10.6	10	95	23	54	490	12.8		
1933	37710	394	394	10.4	462	12.3	23	97	31	78	536	14.2		
1934	37360	338	345	9.2	401	10.7	17	92	20	57	476	12.7		
1935	37090	334	353	9.5	368	9.9	13	105	27	76	460	12.4		

BIRTH RATES, DEATH RATES, AND ANALYSIS OF MORTALITY IN THE YEAR 1935.

(England and Wales, London, 121 County Boroughs and Great Towns, and 140 Smaller Towns).

(Provisional figures. Based on Weekly and Quarterly Returns).

	Rate per 1,000 Live Births		Annual Death-Rate per 1,000 Population										Increase or Decrease on Rates for 1934.					
	Live Births	Still-births	All Causes	Typhoid and Paratyphoid Fevers	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Violence	Diarrhoea and Enteritis (under Two Years).	Total Deaths under One Year.	Birth Rate			Crude Death Rate	Infantile Mortality Rate
				Live Births	Still-births	Live Births	Still-births	Live Births	Still-births									
England and Wales	14.7	0.62	11.7	0.00	0.00	0.03	0.01	0.04	0.08	0.18	0.52	5.7	57	-0.1	No change	-0.1	-2	
121 County Boroughs and Great Towns, including London.....	14.8	0.68	11.8	0.00	0.00	0.04	0.01	0.04	0.09	0.16	0.45	7.9	62	+0.1	+ 0.02	No change	-1	
140 Smaller Towns (Estimated Resident Populations 25,000 to 50,000 at Census 1931)	14.8	0.64	11.2	0.00	0.00	0.03	0.01	0.03	0.07	0.17	0.41	3.8	55	-0.2	-0.03	-0.1	+2	
London.....	13.3	0.52	11.4	0.00	0.00	0.00	0.01	0.04	0.06	0.11	0.51	11.2	58	+0.1	+0.02	-0.5	-9	
Nelson	9.5	0.56	12.4	0.00	0.00	0.00	0.08	0.00	0.08	0.19	0.78	2.8	76	+0.3	-0.10	-0.3	+19	

III.—GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Hospital Accommodation is provided for

- (a) Smallpox, 32 beds, situated at Catlow.
- (b) Scarlet Fever, 8 beds, situated at Catlow.
- (c) Other Diseases, 4 beds, situated at Catlow.

By agreement with the Barrowford Urban District Council, cases from that District are admitted, but no retaining fee is paid.

Patients are not required to contribute towards the cost of treatment.

(d) Maternity cases, 10 beds, situated at Fern Lea, and provided by the Council.

No hospital accommodation is provided for

- (a) Tuberculosis.
- (b) Children.

The Public Assistance Institution for the district is the Municipal Hospital, Burnley.

AMBULANCE FACILITIES.

Two motor ambulances are provided by the Local Authority and are kept at the Fire Station. These are available for use in cases of accidents and other non-infectious cases, including maternity cases, requiring removal to or from Hospital. Arrangements for use are made through the Superintendent of the Fire Brigade, who has charge of this service.

For infectious cases there is a motor ambulance under the control of the Public Health Department.

CLINIC AND TREATMENT CENTRES.

The following is a list of the clinic and treatment centres available to Nelson residents.

- | | |
|---|--|
| (a) Maternity and Child Welfare Centre. | Provided by the Local Authority, and situated in Carr Road. A weekly session is held on Wednesday afternoon. |
| (b) School Clinic. | Provided by the Local Authority, situated in Carr Road, and open daily. |

- | | |
|--|--|
| (c) Orthopædic Clinic. | Provided co-jointly by the Local Authority and the County Council. Weekly session held at the School Clinic on Friday. |
| (d) Artificial Light Clinic. | Provided by the County Council in conjunction with their provision for tubercular patients, and situated at the Tuberculosis Dispensary. |
| (e) Tuberculosis
Dispensary. | Provided by the County Council and situated at 64 Carr Road. |
| (f) Venereal Diseases
Treatment Centre. | Provided by the County Council and situated at the Victoria Hospital, Burnley. |

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

The staff of the Public Health Department consists of (a) the Medical Officer of Health, who is also School Medical Officer and has charge of the Infectious Diseases Hospitals, (b) a Chief Sanitary Inspector, (c) two Assistant Sanitary Inspectors, one of whom acts as Chief Clerk, (d) General Clerk, (e) two whole-time Health Visitors and one part-time Health Visitor, in the latter case part time is devoted to work in connection with the School Medical Service, (f) Matron of the Maternity Home, the staff thereat being under her control, and (g) a part-time Veterinary Inspector who makes routine examinations of all dairy herds and farm premises within the borough.

THE NURSING HOMES REGISTRATION ACT, 1927.

There are no premises within the borough that are registered under the above Act.

PROFESSIONAL NURSING IN THE HOME.

An annual contribution is paid to the District Nursing Association, and an agreement with them provides nursing assistance to be rendered in certain cases of Measles, Ophthalmia Neonatorum and Puerperal Pyrexia. The arrangements for nursing assistance have to be made through the Medical Officer of Health, following a request by the medical practitioner in attendance, and a fee is paid to the Nursing Association according to the number of visits made.

No application for nursing assistance has been received during the year. The Association supply three District Nurses but no midwifery or monthly nursing is undertaken. No co-ordination exists between the Nursing Association and the Local Authority in respect of Maternity and Child Welfare duties.

The Local Authority contribute annually to the Reedyford Hospital, Nelson, and also to the Manchester Hospitals, including the Royal Infirmary, St. Mary's, the Royal Eye Hospital and the Royal Children's Hospital.

MILK, ETC., FOR EXPECTANT MOTHERS AND INFANTS.

A scheme is in operation for the provision of milk in necessitous cases both for ante-natal mothers and infants, whilst Ostermilk and Almata are sold at nett cost price. Cod Liver Oil Emulsion and Lactogol are also sold.

The following figures give an indication of the amount of milk supplied free during the year.

Number in receipt of Free Milk, 1st January, 1935	67
" " " " 31st December, 1935	66
" " " " during year	128
Daily supply of milk at 1st January, 1935	66 pints
" " " 31st December, 1935	64 pints

MIDWIVES.

There are 8 midwives practising in the town who are on the County Council Register. Of these, however, 5 are in the employ of the Local Authority at the Fern Lea Maternity Home. No midwife is employed or assisted by the Local Authority for district work.

LEGISLATION IN FORCE.

A list of the local and adopted Sanitary Acts administered by the Council is given on page 4.

WATER SUPPLY.

This is derived from two gathering grounds, one 4 miles distant on the East side of the town, supplying Coldwell Reservoir, and one 4 miles distant on the West side of the town supplying Ogden Reservoir.

Lower Coldwell Reservoir:—Altitude 943 feet; capacity 80,000,000 gallons. Upper Coldwell Reservoir:—Altitude 990 feet; capacity 43,500,000 gallons. Filtration, 4 “ Bell ” Vertical Filters; nature of water, good, very slightly hard.

Ogden Reservoirs:—No. 1, Altitude 989 feet; capacity 54,500,000 gallons. No. 3, Altitude 837 feet; capacity 157,500,000 gallons; filtration, 12 “ Bell ” Vertical Pressure Filters, and two “ Paterson ” Horizontal Pressure Filters; nature of water, good, soft.

Ridgaling Service Reservoir:—Altitude, 755 feet; capacity 5,000,000 gallons.

Waidshouse Service Reservoir:—Altitude 718 feet; capacity 2,000,000 gallons.

The total storage capacity of the Reservoirs is approximately 160 days supply.

Average Daily Consumption, 2,008,387 gallons. Daily Consumption per head of population in area of supply, 37.96 gallons.

During the past year the Water Department has carried forward the scheme of replacing old joint service pipes, which are proving inadequate for present demands, by means of new mains with separate service pipes to each house. Altogether, since the commencement of this scheme nine years ago, 351 rows of houses have been so treated; every house dealt with under this scheme now has a satisfactory water supply.

There has been no curtailment of the supply during 1935.

At the 31st December, 1935, all the reservoirs were filled with water:

At Ogden 211,545,000 gallons

At Coldwell 123,500,000 gallons

Total 334,945,000 gallons

Which represents a normal supply for 161 days.

RIVERS AND STREAMS.

The provisions of the Rivers Pollution Acts are administered by the Ribble Joint Committee.

DRAINAGE AND SEWERAGE.

Nature of drainage of district, water carriage; situation of Sewage Works, Linedred; mode of delivery of sewage at Works, high level gravitating sewer. (Sewage from low-lying district of Lomeshaye is carried by a low-level sewer which is emptied into the high level sewer by means of automatic ejectors at the Works).

Treatment	Biological
Dry weather flow	1,750,000 gallons per day
Detritus tanks, total capacity	44,754 gallons
Storm tanks, total capacity	448,319 gallons
Percolating Filters, total capacity	25,831 cubic yards
Sedimentation tanks, total capacity	1,036,888 gallons
Humus tanks, total capacity	1,263,000 gallons
Surface aeration plant to treat 150,000 gallons per day.	

No area is without a drainage system. Drain-testing, flushing, etc., is carried out by the Corporation staff when necessary.

CLOSET ACCOMMODATION.

No. of Privy Middens (in town)	1
No. of Pail Closets	6
No. of Fresh Water Closets	4,455
No. of Waste Water Closets	8,096
No. of Dry Ashpits, excluding Middens	2,461
No. of Portable Receptacles for Refuse	9,694

Conversions during the year:—

No. of Privies or Privy Middens (on outskirts of town)	
converted to Fresh Water Closets	Nil
No. of Pail Closets to Fresh Water Closets	Nil
No. of Waste Water Closets to Fresh Water Closets	40
No. of Houses at which Portable Ashbins have been	
substituted for Ashpits	2,518

In all new property Fresh Water Closet accommodation and Portable Ashbins are now being provided.

CLEANSING AND SCAVENGING.

The removal and disposal of house and shop refuse, and street scavenging is carried out by the Cleansing Department

under the control of the Director of Public Cleansing, who has kindly supplied me with the following particulars relative to the work of the Department.

Street scavenging is carried out by Motor sweepers, which combine both sweeping and picking up the refuse. There are a few orderlies also engaged for the collection of paper, etc., from the footpaths, whilst a vacuum gully cleanser is used for the emptying of street gullies.

All house refuse is incinerated after having the cinders, fine dust and unburnable material extracted therefrom. No crude refuse is tipped. The clinkers from the furnaces, the fine dust, pots and glass are all disposed of at the Reedyford Tip.

Trade refuse of all descriptions is fed by hand direct on to the conveyor belt leading to two furnaces, which are capable of burning some 35 tons per day of eight hours. The plant does not function at night or week-ends.

Mr. Nutter, the Cleansing Superintendent, informs me that during the year his Department proceeded with the scheme for abolition of ashpits. Owners of houses are requested to permit the Corporation to effect such alterations to the ashpits as will render them incapable of being used as receptacles for refuse and to pay the cost of such alteration. The Corporation undertake for each house where they effect such alteration to supply a dustbin free of charge and to maintain and renew such bin when necessary. The very good response from owners has been maintained, and about 95% of the ashpits have been converted in the area covered.

Weight of refuse received for disposal	(tons)	9873
,, ,, refuse collected by own vehicles	,,	9195
,, ,, ashpit refuse removed	,,	2515
,, ,, ashbin refuse removed	,,	4720
,, ,, trade refuse removed	,,	1486
,, ,, garbage removed	,,	474
No. of 10,000 sq. yards of streets swept (machines)		4557
,, gullies cleansed by Mechanical Gully Cleanser ...		13969
,, loads of gully refuse collected		321
,, loads of street sweepings collected (machines) ...		907
,, loads of snow collected (approx.)		Nil
,, applications received for opening drains, etc.		531

SANITARY INSPECTIONS DURING 1935.

A summary of the work carried out under this heading is as follows :—

No. of complaints of nuisances received and investigated	93
„ premises in general inspected	1951
„ „ „ re-inspected	187
„ „ visited	250
„ inspections—Stables	90
„ „ Licensed Premises	28
„ „ Offensive Trades	35
„ „ Slaughter Houses	1083
„ „ Bakehouses	186
„ „ Re Water Supply	3
„ „ Meat Stalls	242
„ „ Workshops	156
„ „ Factories	58
„ „ Dairies and Cowsheds	118
„ visits—infectious diseases and contacts	143
„ structural defects found	81
„ drainage defects found	26
„ lack of cleanliness found	20
„ offensive accumulations found	11
„ defective waste-pipes found	7
„ defective waste water closets	18
„ defective water closets	11
„ defective drains found	30
„ defective ashpits found	6
„ Verbal Notices given	91
„ Informal Notices sent	51
„ Informal and Verbal Notices complied with	135
„ Legal Notices sent	2
„ Legal Notices complied with	2
„ Legal proceedings	Nil
„ Smoke observations	150

SMOKE OBSERVATIONS.

Number of Smoke Observations taken during the year ...	150
Number of chimneys concerned	38
Time limit	5 minutes in 30 minutes
Number of times limit has been exceeded	Nil
Legal Proceedings	Nil

The total time the chimneys were under observation was 75 hours, and during this period the total amount of smoke emitted was:—

Black Smoke.			Moderate Smoke.			Light Smoke.			Clear.		
hrs.	min.	secs.	hrs.	min.	secs.	hrs.	min.	secs.	hrs.	min.	secs.
—	12	30	4	31	0	19	30	0	50	46	30

The average time per observation was 30 minutes, and the average result per observation—Black Smoke 0.08 minutes, Moderate Smoke 1.81 minutes, Light Smoke 7.80 minutes, Clear 20.31 minutes.

An average hour's observation, for comparison with the average hour's observation for each year from 1926, is as follows:—

		Black Smoke.	Moderate Smoke.	Light Smoke.	Clear.
		Minutes.	Minutes.	Minutes.	Minutes.
1926	.....	2.8	18.4	27.2	11.6
1927	.....	1.8	21.6	22.0	14.6
1928	.....	1.2	11.0	31.6	16.2
1929	.....	0.6	6.2	35.8	17.4
1930	.....	0.7	7.6	39.6	12.1
1931	.....	0.5	5.6	36.8	17.1
1932	.....	1.8	4.2	22.2	31.8
1933	.....	0.1	4.7	35.6	19.6
1934	.....	0.2	3.8	16.2	39.8
1935	.....	0.2	3.6	15.6	40.6

OFFENSIVE TRADES.

No. of offensive trades in Borough	Total	1
Tripe Boilers		1
No. of Complaints of nuisances arising from same		Nil
No. of inspections		35
No. of defects or nuisances found		Nil

WORKSHOPS AND WORKPLACES.

Condition of Workshops and Workplaces	Fair
Returns under the Factories and Workshops Act, 1901.	

A.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.

Premises.	Number of inspections.	Number of written notices.	Number of prosecutions.
Factories (including Factory Laundries)	58	2	—
Workshops (including Workshop Laundries)	340	5	—
Workplaces, other than out-workers' premises	2	—	—
Total	400	7	—

B.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

Particulars	Number of Defects :			Number of Prosecutions
	Found	Rem- edied	Referred to H.M.I.	
Nuisances under Public Health Acts :				
Want of Cleanliness	5	5	...	...
,, Ventilation	1	1	...	...
Overcrowding .....	...	...	...	...
Want of drainage of floors ..	...	...	...	...
Other Nuisances	4	4	...	...
Sanitary Accommodation	Insufficient ...	...	...	...
	Unsuitable or defective.....	7	7	...
	Not separate for sexes .....	...	...	...
Offences under the Factory and Workshops Act :				
Illegal occupation of underground Bakehouse .....	...	...	...	...
Breach of special sanitary require- ments for Bakehouses .....	...	...	...	...
Other Offences	1	1	...	...
Total.....				
	18	18	...	..

C.—HOME WORK.

Nature of Work	Outworkers' Lists. Section 107.				
	Lists received from Employers.				
	Twice Yearly			Once yearly.	
	Lists	Outworkers.		Lists	Outworkers
		contracts	workmen		
Making Wearing Apparel	Nil.	Nil.	Nil.	Nil.	Nil.

D.—REGISTERED WORKSHOPS.

(Workshops on the Register at the end of the year).

Trades	Ordinary	Domestic	Men's	Total
Bakehouses	64	50	10	124
Tailors	3	3	1	7
Dressmakers	8	9	...	17
Milliners	5	4	...	9
Shoe and Clog Makers .....	...	7	25	32
General	11	7	10	28
Totals.....	91	80	46	217

E.—OTHER MATTERS.

CLASS.	Number
Failure to affix Abstract notified to H.M. Inspector	None
Matters notified by H.M. Inspector.....	8
Reports of action sent to H.M. Inspector	None
Other	None
Underground Bakehouses in use at end of year	None

COMMON LODGING HOUSES.

There is no Common Lodging House in the Borough.

SCHOOLS.

The Sanitary condition of the Schools in the Borough on the whole remains satisfactory. All are supplied with town's water. No closure of a School has been necessary during the year.

Number of Schools in Borough—Secondary	1
Senior	4
Junior Mixed	6
R.C. Mixed	3
Infants	10
Open Air	1

CANAL BOATS ACT.

The Council are exempt from the administration of the Canal Boats Act, owing to the short length of the canal within the Boundaries.

IV.—HOUSING.

HOUSING STATISTICS FOR THE YEAR 1935.

Number of new houses erected during the year :

- (a) Total (including numbers given separately under (b)) 130
 - 1. By the Local Authority Nil
 - 2. By other Local Authorities Nil
 - 3. By other bodies or persons 115
- (b) With State assistance under the Housing Acts :
 - 1. By the Local Authority (Aged Persons Houses) 15
 - 2. By other bodies or persons Nil
- 1. Inspection of dwelling houses during the year :
 - (1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts) 393
 - (b) Number of inspections made for the purpose 485

(2) (a) Number of dwelling houses (included under sub-heading (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	184
(b) Number of inspections made for the purpose	226
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	4
(4) Number of dwelling houses (exclusive of those referred to under the previous sub-heading) found not to be in all respects fit for human habitation ...	84
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	82
3. Action under statutory powers during the year :	
A. Proceedings under Sections 17, 18 and 23 of the Housing Act, 1930—	
1. Number of dwelling houses in respect of which notices were served requiring defects to be remedied	Nil
2. Number of dwelling houses which were rendered fit after service of formal notices—	
(a) By owners	Nil
(b) By Local Authority in default of owners	Nil
B. Proceedings under Public Health Acts—	
1. Number of dwelling houses in respect of which notices were served requiring defects to be remedied	2
2. Number of dwelling houses in which defects were remedied after service of formal notices—	
(a) By owners	2
(b) By Local Authority in default of owners	Nil
C. Proceedings under Sections 19 and 21 of the Housing Act, 1930—	
1. Number of dwelling houses in respect of which demolition orders were made	Nil
2. Number of dwelling houses demolished in pursuance of demolition orders	Nil

D. Proceedings under Section 20 of the Housing Act, 1930—

1. Number of separate tenements or underground rooms in respect of which closing orders were made Nil
2. Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit Nil

The following list, kindly supplied by the Borough Surveyor, shows the number of houses erected by the Local Authority under their Housing Schemes.

Sheridan Street Site	13	houses
St. Paul's Road Site	108	„
Lynthorpe Road Site	50	„
Marsden Scheme B	100	„
„ „ C	19	„
„ „ D	50	„
„ „ E	70	„
„ „ F	100	„
„ „ H	50	„
„ „ J	44	„
Hodge House Scheme G	100	„
„ „ K	50	„
„ „ L	44	„
„ „ N	56	„
„ „ N (Extensions A & B)	40	„
„ „ M	38	„
„ „ O	44	„
Lee Bank Estate, Scheme P	23	„
Block Hall, Scheme Q	20	„
Pinder Street, Scheme R	35	„
<hr/>		
Total Completed	1054	houses

HOUSING CONDITIONS.

According to the rate books there were 11,686 inhabited houses in the Borough on the 31st December, 1935. On the estimated population this would represent an average of 3.17 persons per house. There are an appreciable number of empty houses in the town, the majority of which, however, are for sale.

No investigation into overcrowding has been made during the year, but preparations are in hand for the housing survey as required by the Housing Act, 1935.

Four small areas, comprising 35 houses, have been reported upon with a view to their being scheduled as Clearance Areas, but at the end of the year the preliminary steps only had been taken.

Only a very small proportion of the houses in the Borough fall below the working class standard of dwelling houses, and this includes back-to-back houses, of which there are approximately 86. These houses are not confined to any particular area, but are scattered throughout the town in small numbers and generally constitute the houses which were erected on the old main roads, when Nelson was a country district.

There are no tent dwellers in the area, nor are there any houses let in lodgings registered as such. On the extreme outskirts of the area there are isolated caravan dwellers, but these are few in number.

V.—INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY.

At the end of the year the number of cowkeepers, dairy-men, etc., on the register was as follows:—

Cowkeepers not selling milk in Nelson	4
Cowkeepers, milk sold wholesale	2
Cowkeepers and Purveyors of milk (resident)	25
Cowkeepers and Purveyors of Milk (non-resident)	39
Milk Purveyors only	19
Shopkeepers selling new milk	38

Designated milk can be obtained, though there are no premises within the Borough licensed for its production.

The number of licenses granted for designated milk was :

	Retail.	Bottling.
Certified Milk	2	—
Grade A (Tuberculin Tested) Milk	2	1
Grade A Milk	4	—

EXAMINATION OF MILK.

The following figures show the results obtained from tests carried out on informal samples of milk which have been purchased during the year for examination.

No. of samples tested for milk fat	293
No. of samples which gave a result below the standard	1
Average amount of Milk Fat per sample	3.43%
No. of samples tested for total solids	293
No. of samples which gave a result below the standard	Nil
Average quantity per sample total solids	12.08%
Average quantity per sample solids not fat	8.64%
No. of samples tested for visible cleanliness	250
No. of samples found to be not satisfactory	4
Percentage of samples found to be not satisfactory ...	1.6
No. of samples tested for presence of Coliform Bacilli	293
No. of samples with Coliform Bacilli present in 0.01c.c.	87
Percentage of samples with Coliform Bacilli present ...	29.7
Percentage of morning's milk with Coliform Bacilli present	27
Percentage of evening's milk with Coliform Bacilli present	46

In the case of morning's milk the test is carried out within a few hours after the milking process, whilst in the evening's samples the tests are carried out on the following day.

No. of samples tested for the presence of Tubercle Bacilli	51
No. of samples giving a negative result	46
No. of samples giving a positive result	5
Percentage of samples found positive	9.8
No. of samples tested to determine the number of bacteria per c.c.	293

The result of these tests combined with the test for Coliform Bacilli is as follows :—

No. of Bacteria per c.c.	Coliform Bacilli absent in .01 c.c.	Coliform Bacilli present in .01 c.c.
--------------------------	--	---

GRADED MILK, 16 SAMPLES.

Under 5,000	9	...
Over 5,000 but under 10,000...	2	...
" 10,000 " 20,000...	2	...
" 20,000 " 30,000...	1	...
" 30,000 " 40,000...	1	...
" 40,000 " 50,000...	1	...

NON-DESIGNATED MILK. MORNING'S MILK. 221 SAMPLES.

Under 5,000 .....	...	1
Over 5,000 but under 10,000...	33	5
" 10,000 " 20,000...	64	18
" 20,000 " 30,000...	29	17
" 30,000 " 40,000...	13	10
" 40,000 " 50,000...	6	1
" 50,000 " 60,000...	3	1
" 60,000 " 70,000...	4	3
" 70,000 " 80,000...	4	1
" 80,000 " 90,000...	1	1
" 90,000 " 100,000...	...	1
" 100,000 " 125,000...	3	...
" 125,000 " 150,000...	...	2

NON-DESIGNATED MILK. EVENING'S MILK.
TESTED FOLLOWING MORNING. 56 SAMPLES.

Over 5,000 but under 10,000...	1	...
" 10,000 " 20,000...	1	1
" 20,000 " 30,000...	3	...
" 30,000 " 40,000...	4	1
" 40,000 " 50,000...	2	1
" 50,000 " 60,000...	1	3
" 60,000 " 70,000...	6	2
" 70,000 " 80,000...	2	2
" 80,000 " 90,000...	3	1
" 90,000 " 100,000...	2	2
" 100,000 " 125,000...	2	2
" 125,000 " 150,000...	2	3
" 150,000 " 175,000...	...	1
" 175,000 " 200,000...	...	1
" 200,000 " 300,000...	1	2
" 300,000 " 400,000...	...	1
" 400,000 " 500,000...	...	1
" 500,000 " 600,000...	...	1
" 600,000 " 800,000...	...	1
" 800,000 " 1,000,000...	...	1

No. of samples of Non-Designated Milk attaining Grade " A " Standard at time of testing—189, equal to 68.2%.

Following each examination a report is sent to the vendor giving the result of such examination, and attention is called to any unsatisfactory result found.

Under the Food and Drugs Acts, 50 samples of milk have been taken by the County Police Authorities, all of which were found to be genuine.

Routine examination of the farm premises and a veterinary inspection of the dairy herds is made by the Veterinary Inspector, who submits the following condensed report on his inspections for the year.

REPORT OF THE VETERINARY INSPECTOR FOR THE BOROUGH OF NELSON.

31st December, 1935.

During the past year I have duly examined the farms and cowsheds and cattle within the Borough of Nelson. I find a total of 778 bovine animals on the farms, of which 486 are cows in milk, and the remainder, 292, are cows not in milk or young cattle being reared for dairy purposes. 17 cows have one deficient teat.

The indications are that many farmers are not able to dispose of sufficient milk to keep a full stock of dairy cattle. The cause, in my opinion, is that greater effort is being put forth by producers outside the Borough in the form of producing a higher grade sample which appeals to the purchaser, and thereby our producers are being beaten on their own doorstep.

To enable this state of affairs to be countered, the Health Committee and Medical Officer of Health, Dr. Markham, have agreed that I should make a special survey of the farmsteads and point out and press on the occupiers or owners the necessary alterations during the coming summer to bring their cowsheds and dairies up to the standard required for the production of accredited milk.

In my opinion, this being done will result in an all round benefit and in milk so classed being found a constant and equal market.

JOHN BARKER, M.R.C.V.S.,

Veterinary Inspector.

TUBERCULOSIS ORDER.

No. of animals dealt with during the year	11
„ cows in milk	3
„ other bovine animals	8
„ animals which on post-mortem examination were found to have suffered from advanced Tuberculosis under the Order	9
„ animals found to have suffered from Tuberculosis, but not advanced	2
„ animals which on post-mortem examination were found not to have suffered from Tuberculosis	Nil
Total amount of compensation paid in respect of these 11 animals	£28-5-0

MEAT, &C.

Statement of Slaughterhouses:—

	In 1920.	In Jan., 1935.	In Dec., 1935.
No. Registered	1	1	1
No. Licensed	12	10	10
	—	—	—
Total	13	11	11

1,083 visits of inspection have been paid to the slaughterhouses during the year. So far as is possible these inspections coincide with the time at which slaughtering is taking place, thus facilitating inspection of the meat.

The condition of the premises is satisfactory to a degree, taking into account the type of building used. A reasonable standard of cleanliness is maintained, but regular inspection and supervision contributes to this condition.

Under the Slaughter of Animals Act, 1933, it is compulsory, in Nelson, for all animals, including sheep, to be mechanically stunned as a preliminary to the slaughtering process.

Routine inspection is made where food is prepared and conditions found during the year have been satisfactory.

Meat stalls are also subject to routine inspection, both in regard to the condition of the stall and the quality of the meat sold.

The number of inspections carried out during the year was:—

Meat Stalls	242
Bakehouses, etc.	186

One seizure of unsound meat has taken place during the year. Part of a Tubercular carcase was found in a slaughter-house, and the rest had been removed and was exposed for sale on a stall. The vendor was prosecuted, and a fine of £10 and costs was inflicted.

The following list shows the amount of food which has been condemned and surrendered as unfit for human consumption during 1935.

Tubercular carcasses and parts :—

14 bovine carcasses, 4 fore quarters and 2 hind quarters (including 1 carcase seized)	99½ cwts.
44 pigs' heads	448½ lbs.
12 pairs bovine lungs	
16 pigs' plucks	

Diseased, unsound or unwholesome meat, other than above :—

3 carcasses of pigs	226 lbs.
4 carcasses of sheep	105 lbs.
Mutton	9½ lbs.
Pork	26 lbs.
7 bovine livers	80 lbs.
5 pigs' livers	39 lbs.
2 sheep livers	7 lbs.
2 pigs' plucks	
1 bovine head and lungs (actinomycosis)	

Other foodstuffs :—

Chilled beef	245 lbs.
Cod fish	86 lbs.
Halibut	65¼ lbs.
Haddock	24½ lbs.

Tinned goods :—

Tongue (6lbs.)	2 tins
Corned beef (6lbs.)	1 tin
Apples (6lbs. 4ozs.)	1 tin

FOOD AND DRUGS ACTS.

The various acts included under this heading are administered by the County Police Authority for this area. Superintendent Linaker has kindly supplied me with the following particulars of the samples taken by his officers during the year. All the samples were found to be genuine with the exception that the sample of sago consisted of tapioca. For the purpose of the Food and Drugs Acts the Analyst to whom the

samples have to be submitted is the County Council's Analyst at Liverpool.

Margarine	1
Butter	2
Lancashire cheese	2
Cheshire cheese	2
Wensleydale cheese	1
Lard	2
Rice	1
Tea	1
Coffee	1
White pepper	1
Ground ginger	1
Arrowroot	1
Milk	50
Sago	1
Liquorice powder	1
Magnesia	1
Flour	1
Boiled sweets	2
Brislings	1
Fruit salad	1
Fish paste	1
Salmon	1
Plum jam	1
Baking powder	1
Norwegian sild	1
Ground almonds	1
Blancmange powder	1
Cinnamon	1
Glauber salts	1

VI.—PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASE.

154 notifications have been received during the year under the Infectious Diseases Notification Act. This is a decrease of 121 on the number of notifications received in 1934, and is 57 less than the average per year for the past ten years.

Compared with 1934 the increase or decrease is as follows :—

	Decrease.	Increase.
Scarlet Fever	102	—
Diphtheria	—	2
Enteric Fever	—	1

Erysipelas	—	...	1
Encephalitis Lethargica	1	...	—
Cerebro-Spinal Meningitis	1	...	—
Pneumonia	19	...	—
Ophthalmia Neonatorum	—	...	3
Puerperal Pyrexia	—	...	1
Pulmonary Tuberculosis	—	...	4
Non-pulmonary Tuberculosis	10	...	—

Analysis of the notifications shows that, with the exception of Diphtheria, there is no outstanding feature. Ward distribution, age groups and the monthly numbers point to no localised centre of infection, the cases being more or less sporadic.

In regard to Diphtheria, however, whereas only sporadic cases had occurred throughout the year up to December, in this month there did appear evidence of a more extensive outbreak. The common source of contact was a school, and a visit of inspection to the school in question revealed a missed case in attendance. This occurred shortly before the school Christmas holidays commenced. The missed case was excluded from school, contacts kept under observation, and the school disinfected. By the end of the year it was evident that the outbreak had not subsided, and that other centres of infection were involved.

The following tables show the number of cases of each notifiable disease for the past 10 years (except where the notifications have been compulsory for less than that period) and the monthly and ward analysis during 1935.

Year	Smallpox	Scarlet Fever	Enteric Fever	Puerperal Fever	Puerperal Pyrexia	Diphtheria, incl'g Membranous Group	Erysipelas	Ophthalmia Neonatorum	Ac. Poliomyelitis	Polioencephalitis	Enceph. Letharg.	Cerebro-Spinal Meningitis	Pneumonia	Malaria	Dysentery	Pulmonary Tuberculosis	Tuberculosis (other forms)	Chickenpox	Total
1926	...	29	4	2	2	2	15	2	...	...	3	...	15	...	...	31	9	...	114
1927	17	64	5	...	3	14	9	1	...	...	1	...	54	...	...	30	23	43	264
1928	19	34	3	...	3	11	9	6	...	...	4	...	38	...	...	32	14	62	235
1929	...	157	2	...	4	6	25	5	...	...	...	...	47	...	...	27	24	...	297
1930	...	36	...	2	2	13	20	3	...	...	3	...	19	...	...	32	14	...	144
1931	...	124	2	...	4	7	13	4	1	...	...	...	28	...	...	42	17	...	242
1932	...	69	1	1	3	7	7	2	...	3	...	...	31	...	...	28	22	...	174
1933	...	58	...	...	3	4	16	1	...	...	...	...	77	...	...	37	15	...	211
1934	...	165	...	...	1	15	12	1	...	...	1	1	37	...	...	19	23	...	275
1935	...	63	1	...	2	17	13	4	...	...	...	...	18	...	...	23	13	...	154
Av. for 10 yrs.	3.6	79.9	1.8	.5	2.7	9.6	13.9	2.9	.1	.3	1.2	.1	36.4	...	...	30.1	17.4	...	211

CASES OF INFECTIOUS DISEASE NOTIFIED DURING 1935.

NOTIFIABLE DISEASES.	Number of Cases Notified.												Total Deaths	Total cases removed to Hospital	Deaths in hospital of persons belonging to dist.	
	At all ages	At Ages Years.														
		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65				65 and over
Smallpox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Group)	17	...	...	...	1	8	6	...	1	1	...	...	...	3	...	...
Erysipelas	13	...	...	...	...	...	...	...	4	1	5	3	...	...	...	...
Scarlet Fever	65	...	2	2	2	23	17	4	9	3	1	...	...	3	11	...
Typhus Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever.....	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Relapsing Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	2	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
Cerebro-Spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Poliomyelitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	4	4	...	...	...	...	...	2	13	3	4	1	...	23	...	...
Pulmonary Tuberculosis	23	...	...	...	...	...	...	...	5	1	1	...	...	2	...	...
Other forms of Tuberculosis	13	...	...	1	...	2	3	...	...	...	...	...	...	...	...	...
Pneumonia	18	...	1	...	...	1	1	...	4	5	4	1	...	4	...	...
Malaria.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-encephalitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals.....	154	4	...	3	3	34	28	7	38	14	15	5	...	35	11	...

MONTHLY INCIDENCE OF NOTIFIED DISEASES.

Disease	Jan.	Feb	Mar	Apl.	May	Jun.	July	Aug.	Sep.	Oct.	Nov	Dec.	Total
Scarlet Fever.....	7	8	9	11	5	3	...	1	3	4	4	8	63
Diphtheria.....	1	2	...	...	2	1	...	1	1	...	...	9	17
Puerperal Pyrexia	1	...	...	...	...	...	...	...	...	...	...	1	2
Erysipelas .....	...	2	1	3	...	1	1	...	1	2	2	...	13
Pulmonary Tuberculosis	3	...	3	3	2	2	2	1	2	...	3	2	23
Non-Pulmonary Tuberculosis	2	1	...	1	2	3	...	2	...	...	2	...	13
Ophthalmia Neonatorum	1	...	...	1	1	1	...	...	...	...	...	...	4
Encephalitis Lethargica...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia .....	...	3	5	1	2	3	...	...	1	...	...	3	18
Enteric Fever .....	..	...	...	...	...	...	...	...	...	...	1	...	1
Totals ..	15	16	18	20	14	14	3	5	8	6	12	23	154

WARD ANALYSIS OF NOTIFICATIONS.

Disease	Bradley	Central	Clover Hill	Marsden	Netherfield	Southfield	Walverden	Whitefield	Total
Scarlet Fever	12	5	13	2	9	5	12	5	63
Diphtheria	8	..	1	2	2	3	1	...	17
Puerperal Pyrexia .....	...	...	...	1	1	...	...	...	2
Erysipelas .....	...	1	1	...	6	1	3	1	13
Pulmonary Tuberculosis ...	5	1	2	...	4	5	4	2	23
Non-Pulmonary Tuberculosis ...	5	1	...	...	2	3	1	1	13
Ophthalmia Neonatorum	1	1	...	1	...	...	...	1	4
Encephalitis Lethargica.....	...	...	...	...	...	...	...	...	...
Pneumonia	4	1	1	1	2	2	2	5	18
Enteric Fever .....	...	...	...	...	...	1	...	...	1
Total.....	35	10	18	7	26	20	23	15	154

Case rate per 1,000 of population in certain diseases with the case rate for England and Wales and Sub-divisions of the Country.

Country.				121 County Boroughs and Great Towns including London.		140 Smaller Towns Populations, Census 1931. 25,000 to 50,000.		London Administrative County	
	Nelson.		England and Wales.						
Scarlet Fever..	1.70	...	2.96	...	3.19	...	2.75	...	2.64
Diphtheria	0.45	...	1.60	...	1.96	...	1.34	...	2.25
Enteric Fever..	0.02	...	0.04	...	0.04	...	0.06	...	0.05
Erysipelas	0.35	...	0.42	...	0.48	...	0.37	...	0.45
Pneumonia	0.48	...	1.15	...	1.36	...	0.98	...	0.89

SMALLPOX.

No case of this disease has been reported during the year.

SCARLET FEVER.

Cases notified	63
Number of Deaths	3
Case mortality per cent.	4.7
Attack Rate per 1,000 of population	1.70
Death Rate per 1,000 of population	0.08
Cases removed to Hospital	11
Number of cases under school age	6
„ cases over school age	16
„ cases attending school	41
„ houses affected (6 with 2 cases and 51 with 1 case)	57
Primary cases	59
Secondary cases	4
Return cases	Nil

DIPHThERIA AND MEMBRANEOUS CROUP.

Cases Notified	17
Number of Deaths	3
Case Mortality per cent.	17.6
Attack rate per 1,000 of population	0.45
Death rate per 1,000 of population	0.08
Cases removed to Hospital	Nil
No. of cases in which Anti-Diphtheria serum was injected	17
No. of Bulbs (8,000 units each) supplied free	92
No. of Swabs examined for diagnostic purposes	146
No. of cases under school age	1
„ over school age	2
„ cases attending school	14
„ houses affected (1 with 2 cases, 15 with 1 case) ...	16

A supply of antitoxin in Bulbs of 8,000 units is kept on hand at the Police Station, and is available for use by the medical practitioners at any time.

ENTERIC FEVER.

No. of cases notified	1
„ deaths	Nil
Case mortality per cent.	Nil
Attack rate per 1,000 of population	0.02
Death rate per 1,000 of population	Nil

ERYSIPELAS.

No. of cases notified	13
Attack rate per 1,000 of population	0.35
Facial affections	11
Affections on other parts of body	2

PNEUMONIA.

Total number of cases of Pneumonia notified	18
Influenzal Pneumonia	1
Primary Pneumonia	8
Lobar Pneumonia	9
No. of deaths (all forms)	14
Attack rate per 1,000 of population on cases notified	0.48
Death rate per 1,000 of population	0.38

OPHTHALMIA NEONATORUM.

Number of cases notified	4
Attack rate per 1,000 live births	11.3
Number of cases with vision impaired (slight)	1
Number of cases with vision not impaired	3
Number of cases receiving Hospital treatment	1
Number of cases receiving nursing assistance	3

PUERPERAL PYREXIA.

Number of cases notified	2
Attack rate per 1,000 live births	5.66
Attack rate per 1,000 total births	5.34
Number of cases in which services of Consultant were requested	2
Number of cases receiving Hospital treatment	1

OTHER DISEASES.

Indication of the prevalence or otherwise of the non-notifiable infectious cases is shown by the reports of the Health visitors, the returns of medical inspections and reports from

the School Medical Service Department. From these sources it was found that Chickenpox and Whooping Cough were prevalent during the summer months, and though not with epidemic proportions, the attendance at one or two schools was seriously depleted.

Sporadic cases of German Measles occurred with a noticeable increase towards the end of the year. At this time, however, Measles was becoming very prevalent in the reports and this suggested that an epidemic of this disease was in progress. During the year no deaths have occurred from Measles or Whooping Cough. One death from Diarrhoea, etc. (under 2 years) occurred, but this death took place outside the Borough and appeared on the inward transfer death returns for the year .

SCHOOL CLOSURE.

It has not been found necessary to close any of the schools during the year on account of infectious disease.

SCHOOLS AFFECTED (SCARLET FEVER AND DIPHThERIA).

	Scarlet Fever.	Diphtheria.
Bradley Senior Boys	2	1
Edge End Senior Boys	1	1
Walverden Senior Girls	2	1
Whitefield Senior Girls	—	1
Bradshaw Street Junior A.	2	—
Bradshaw Street Junior B.	1	—
Great Marsden Junior	1	—
Leeds Road Junior	2	3
Little Marsden Junior	1	—
Lomeshaye Junior	—	—
Holy Saviour's Mixed	2	—
St. George's Mixed	1	—
St. Joseph's Mixed	1	—
Open Air	1	—
Bradley Infants	—	1
Bradshaw Street Infants	4	—
Great Marsden Infants	—	2
Holy Saviour's Infants	—	—
Leeds Road Infants	1	—
Little Marsden Infants	4	—

St. George's Infants	—	—
St. Joseph's Infants	—	—
Walverden Infants	4	4
Whitefield Infants	2	—
Secondary	7	—
Out of Borough	2	—
	—	—
Total	41	14

No reports have been made during 1935 under Section 14 (4) of the Sanitary Officers Order, 1922.

INFLUENZA.

7 deaths occurred during the year in which Influenza was the primary cause, but these were sporadic. At no time during the year was Influenza prevalent, but there were periods when Pharyngitis and sore throats were very common.

The following table shows the number of deaths from Influenza, Pneumonia, Bronchitis and other respiratory diseases for the past five years.

Disease.	Number of Deaths.				
	1931.	1932.	1933.	1934.	1935.
Influenza	19	11	37	5	7
Pneumonia (all forms)	20	20	24	17	14
Bronchitis	30	25	33	13	23
Other Respiratory diseases	5	2	5	2	5
	—	—	—	—	—
Totals	74	58	99	37	49

CONTACTS, RETURN CASES, CARRIER CASES.

No action has been necessary in regard to any of the above cases.

SCHICK AND DICK TESTS.

These tests have not been used, nor has any method of immunisation against diphtheria or scarlet fever been applied.

VACCINATION.

No vaccinations or re-vaccinations have been performed by the Medical Officer of Health during the year.

PATHOLOGICAL, CHEMICAL AND BACTERIOLOGICAL EXAMINATIONS.

These are carried out at the Public Health Laboratory, 21 Carr Road. Medical practitioners are supplied with the requisite outfits for taking specimens when necessary.

NO. OF SPECIMENS, &C., SENT OR OBTAINED FOR EXAMINATION.

Swabs for Diphtheria (Positive 33, Negative 113)	146
Sputum for T.B. (Positive 5, Negative 42)	47
Hair for Ringworm	3
Blood, for count	10
Blood Smears, microscopical examinations	43
Blood, for Organisms by Culture	4
Blood, Widal reaction	4
Faeces	11
Pleural Effusions	5
Urine, sugar estimation	24
Urine, Albumen	85
Urine, general examination for bacteria and nature of deposit	93
Pus, for Gonococcus	25
Pus, for organisms	17
Cerebro-Spinal Fluid	10
Specimens for Malignancy, &c.	47
Sewage	36
Specimens from Animals—Smears, Tissues, &c.	76
Milk deposits	93
Milk for T.B. by inoculation	51
Milk, for Milk Fat, S.G. Solids, &c.	293
Milk, for visible cleanliness	250
Milk for bacterial count and B. Coli	293
Other specimens	19

Total number of examinations or tests made in
connection with the above 4157

DISINFECTION.

The method adopted for disinfection is (a) for bedding, clothing, etc., by means of a steam disinfecter, (b) for articles which would be damaged by steam, exposure to formaldehyde gas in a closed chamber, and (c) for rooms, formalin spray and the generation of formaldehyde gas. The steam disinfecter is situated at the Destructor Works, Charles Street.

On visiting cases of infectious disease a bottle of disinfectant fluid is left and instructions given as to its use. A form of certificate is also left with the householder for the

medical practitioner to sign when the patient has recovered, and when this certificate is returned to the Public Health Office,, arrangements are made for the necessary disinfection to be carried out.

Disinfection is compulsory in cases of Scarlet Fever, Diphtheria, Enteric Fever, Tuberculosis and Puerperal Fever. In other cases, including Measles, Pneumonia, Erysipelas, &c., disinfection is carried out if a request is made.

Fumigation of rooms and houses is also carried out in cases of verminous infestation. In addition to fumigation by sulphur dioxide, special preparations of spraying fluids are used in these cases.

Particulars of the work carried out during the year are as follows :—

No. of rooms fumigated and sprayed	584
„ articles of bedding disinfected (steam)	1729
„ articles of wearing apparel disinfected (steam) ...	355
„ miscellaneous articles disinfected (steam)	121
„ books, boots, etc., disinfected (formaldehyde)	146
„ schools fumigated and sprayed	2
„ public offices fumigated and sprayed	Nil

The Disinfecting Station is adapted for use for the cleaning of verminous persons. There has been no instance during the year of disinfection being carried out.

CANCER.

No special enquiries have been made in respect of Cancer. Analysis of the deaths in Nelson during 1935 from malignant disease shows a reduction of 19 on the number of deaths in 1934. The death rate per 1,000 of population for 1935 was 1.267, the average rate for the previous five years being 1.568.

Pathological examination of specimens is made at the Public Health Laboratory, the specimens being obtained after operative treatment and examination carried out to determine the nature of the growth.

Where radium treatment is recommended the Radium Clinic at Burnley Victoria Hospital is available to patients.

The following table shows the analysis of the deaths from malignant disease according to age and the location of the disease.

Location of Growth	Age at Death																Total for 1934												
	30-35		35-40		40-45		45-50		50-55		55-60		60-65		65-70			70-75		over 75		Total							
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.								
Tongue .....	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Throat .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Oesophagus.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
Lungs.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Stomach.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
Bowels .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Liver .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Abdominal Organs	Kidneys .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
	Pancreas .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
	Bladder .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
	Spleen.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bones .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Skin.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Glands .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Female Genital Organs	Uterus .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
	Ovary .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
	Vulva .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Breast.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Totals .....	...	1	...	1	...	...	1	3	3	5	3	4	2	7	5	1	1	1	1	47	66					
																						Males 25				Females 22			

TUBERCULOSIS.

No. of cases of Pulmonary Tuberculosis notified	23
„ cases of other forms of Tuberculosis notified	13
Notifications from Sanatoria admitted	35
„ „ Sanatoria discharged	23
No. of specimens of Sputum examined	47
No. Positive	5
No. Negative	42
No. of deaths from Pulmonary Tuberculosis	23
No. of deaths from Non-Pulmonary Tuberculosis	2
Death Rate per 1,000 of population—Pulmonary Tuberculosis	0.62
Death Rate per 1,000 of population—Non-Pulmonary Tuberculosis	0.054

NEW CASES AND MORTALITY DURING 1935.

Age Period, Years	New Cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0—1	—	—	—	—	—	—	—	—
1—5	—	—	1	—	—	—	—	—
5—10	—	—	2	—	—	—	1	—
10—15	—	—	2	1	—	—	—	—
15—20	1	1	—	—	—	—	—	—
20—25	1	5	—	2	1	3	—	—
25—35	3	4	1	2	3	5	—	—
35—45	2	1	1	—	1	1	—	—
45—55	3	—	—	—	2	4	1	—
55—65	—	1	—	1	2	—	—	—
65 and over	1	—	—	—	—	—	—	—
Totals...	11	12	7	6	9	13	2	—
	23		13		22		2	

There were two deaths from Tuberculosis in which no notification of the case was received. The ratio of non-notified deaths to the total deaths from Tuberculosis is 2 to 24.

No action has been necessary for wilful neglect or refusal to notify, notification on the whole being efficient.

The following is a list of occupations, if any, followed by patients notified during 1935 :—

	Pulmonary.	Non-pulmonary.
Weavers	11	5
Mason	1	—
Winders	2	—
Home Duties	2	1
Labourers	4	—
Shop Assistant	1	1
Twister	1	—
Piecer	1	—
School Children	—	5
No occupation and Infants	—	1

PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS.

No action has been necessary under these Regulations with reference to tuberculous employees in the milk trade.

PUBLIC HEALTH ACT, 1925, SECTION 62.

No action has been necessary under this section relative to the removal to hospital of patients suffering from pulmonary tuberculosis and who are without proper and suitable home accommodation.

I am indebted to Dr. MacPhee, the Consultant Tuberculosis Officer for this area, for the following report of the work carried out in Nelson, dealing with Tuberculosis during 1935.

PREVENTION AND TREATMENT OF TUBERCULOSIS.

The Lancashire County Council Tuberculosis Dispensary is situated at 64 Carr Road, Nelson. It is, therefore, most conveniently placed for the Borough of Nelson, and is open for insured and non-insured persons alike.

The Consultant Tuberculosis Officer is in attendance on Tuesday afternoons at 12-30 o'clock, and on Friday mornings by appointment.

NOTIFICATIONS OF PERSONS SUFFERING FROM TUBERCULOSIS IN THE BOROUGH OF NELSON IN 1935.

	Pulmonary.	Non-pulmonary.	Total.
Form "A" (new cases)	23	21	44
Number of new patients examined at the Dispensary			114
Number of new patients examined at their homes			11
Total			125

Of the total of 125 patients, 36 were found to be suffering from Tuberculosis in one form or another, and 89 were discharged, after varying periods of observation, as non-tuberculous.

No. of re-examinations of " old cases "	290
No. of patients who received treatment in Sanatoria (" early " cases)	13
No. of patients who received treatment in Pulmonary Hospitals (advanced cases)	14
No. of patients who received treatment in General or Special Hospitals (surgical cases)	14
No. of patients who received special treatment (Artificial Pneumothrax 5, Gold treatment 4)	9
No. of X-ray examinations made	139

Details are appended of the work in Nelson of the Tuberculosis Health Visitor, Nurse H. M. Alcock :—

No. of primary visits to patients	36
No. of " following-up " visits to patients	664
Total	700

Of the 36 patients visited by the Health Visitor for the first time, 23 were suffering from pulmonary or lung tuberculosis, and the following table indicates the condition found with regard to isolation in the home, and what was effected as a result of that visit :—

	Patients occupying separate bedroom	Patients occupying separate bed, but others sharing room	Patients occupying bed with another person
Condition in the home as regards isolation of the patients at the time of the Nurse's first visit	15	4	4
Condition subsequent to and as a result of the nurse's visit	22	1	—

During the past year in order to effect isolation, two patients required assistance under the arrangements adopted by the County Tuberculosis Committee, whereby bedsteads and mattresses are given out on loan to necessitous cases.

Bed rests, air cushions, and other nursing utensils were lent to three patients.

During 1935 in the Borough of Nelson there were under observation 83 cases of pulmonary tuberculosis, and 60 cases of tuberculosis other than pulmonary. Of the 83 pulmonary cases, 63 at some time had tubercle bacilli present in the sputum. Of the latter number, 26 are cases without symptoms or sputum, and in which the disease is quiescent; these patients have been on full work for over three years.

Since 1922 the Ministry of Health have allowed cases of tuberculosis to be written off as recovered; pulmonary cases after having been without symptoms for five years, and non-pulmonary cases after three years.

During 1935 the following number of cases were written off as recovered :—

Pulmonary.	Non-pulmonary.	Total.
1	10	11

ULTRA-VIOLET RADIATION TREATMENT.

Two Carbon-arc Lamps, one Jesionek Mercury Vapour Lamp, and one Kromayer Mercury Vapour Lamp are installed at 64 Carr Road, Nelson, for the treatment of suitable cases of non-pulmonary tuberculosis, including lupus, and during the year ended 31st December, 1935, 14 patients from Nelson received treatment.

B. MACPHEE,

Consultant Tuberculosis Officer.

High Lea, Whalley Road,
Accrington.

22nd April, 1936.

VII.—MATERNITY AND CHILD WELFARE.

This work is carried out by the Local Authority under the supervision of the Medical Officer of Health. One part-time and two whole-time Health Visitors are employed, the work of the part-time nurse being divided between the Infant Welfare Service and the School Medical Service.

The following figures refer to the work carried out under your Maternity and Child Welfare Service. This comprises the

work of the Health Visitors, the attendance at the Infant Welfare Centre and consultations thereat, the use of the Maternity Home and the attendances at the Orthopædic Clinic so far as it affects pre-school children.

An extension of the scheme for the services of the Consultant in maternity cases has been made whereby such services are available to the medical practitioners in all cases considered necessary and not merely confined to cases in the Maternity Home.

Prior to the end of each school term girls who are eligible for leaving the senior girls schools attend the Infant Welfare Centre for a practical demonstration in mothercraft. A descriptive lecture is given by the Health Visitor and the pupils see the actual bathing of a baby together with the necessary preparations.

No. of births notified in area during the year under the Notification of Births Act, 1907 :—

Live Births	334
Still Births	19
Total	353
By Midwives (including Maternity Home)	252
By Doctors and Parents	101
No. of notified births, Primipara	169
" " " Multipara	184
Cases of Twin Births notified	1
Percentage of multiple births	0.28%
No. of illegitimate births notified	6
Percentage of illegitimate births to total births notified	1.7%
Percentage of still-births to total births notified	5.4%
Failure to notify birth	Nil
No. of cases in which services of Consultant were requested	14
No. of cases in which nursing assistance was requested...	Nil
No. of births by Caesarean Section	9
Number of visits paid during the year by the Health Visitors :—	
To expectant mothers—First Visits	195
Total visits	449
To children under 1 year of age—First visits	332
Total visits	3943
To children between the ages of 1 & 5 years—no. visited	1004
Total visits	3923

Average number of visits per infant	11.9
Average number of visits per child	3.9
Average number of visits per mother	2.3
No. of ineffectual calls	863
No. of special visits made for supply of milk	78
No. of special visits made for assistance in Ophthalmia cases	4
No. of special visits made for nursing assistance in other cases	147
No. of cases attended by Registered Midwives practising in the area during the year:—	
As Midwives	19
As Maternity Nurses	153
No. of cases attended by other Midwives on the register, but not practising as Midwives and acting as Maternity Nurses	70
NOTE.—Of the 8 Midwives practising in the area, 5 are employed by the Corporation in the Maternity Home.	
No. of confinements attended by Medical Practitioners	333
Percentage attended by Medical Practitioners	94.6%
No. of Pneumonia Jackets made	7 pairs

OCCUPATION OF MOTHERS WITHIN NINE MONTHS OF CONFINEMENT.

Cotton Operatives	146 or 41.5%
Housewives	175 or 49.7%
Other occupations	31 or 8.8%

PERIOD OF TIME BETWEEN WORKING AND CONFINEMENT.

Under One Month	27 or 15.3%
One Month	24 or 13.6%
Two Months	35 or 19.7%
Three Months	31 or 17.5%
Four Months	15 or 8.5%
Five Months	17 or 9.6%
Six Months	12 or 6.8%
Seven Months	10 or 5.6%
Eight Months	6 or 3.4%

FIRST METHOD OF FEEDING INFANTS BORN DURING YEAR.

Breast	Bottle	Breast & Bottle	Spoon	Not Fed
73.3%	16.2%	7.2%	0.9%	2.4%

Continuous records have been obtained of the methods of feeding 305 infants born during the period January 31st, 1934, to February 1st, 1935, with the following results:—

Food Used	First fort- night	2—6 weeks	6—13 week	3—6 mths.	6 9 mths.	9—12 mths.
Breast.....	239	186	139	104	84	7
Breast and Cow's Milk	12	16	7	6	3	...
Breast and Dried Milk .....	...	3	3	4	4	...
Cow's Milk.....	43	72	117	133	148	5
Cow's Milk (Designated).....	...	3	11	14	17	1
Cow's Milk and other Prepared Foods	5	9	6	23	25	4
Dried Milk	4	12	18	18	20	...
Nestle's Milk.....	2	4	4	3	4	...
Normal Diet, 9-12 months.....	...	...	...	...	...	288

Explanations offered in certain cases for not feeding the babies (beyond the age of 3 months) on breast milk, or not continuing with same after having commenced:—

Mother's milk gradually decreased until there was none or not sufficient	103
Owing to Mother returning to work	21
Retracted Nipples	4
Mastitis	6
Discontinued on Doctors' advice	12
Discontinued on miscellaneous advice	2
Mother did not persevere	6
Mother ill	18
Tubercular Mother	2
Twin Babies	6
Babies Born at Reedyford Hospital	3

The Infant Welfare Centre is situated at No. 9 Carr Road, Nelson, and is open on Wednesday afternoons, from 2 p.m.

	1934.	1935.
Number of meetings held	46	44
Total No. of attending infants	374	299
„ „ „ children	469	460
„ „ „ expectant mothers .	58	54
	—901	—813
Total number of attendances:—	1934.	1935.
Infants	1616	1326
Children	1572	1473
Expectant Mothers	207	160
	—3395	—2957

Average Attendance per session :—	1934	1935
Infants	35.1	30.1
Children	34.1	33.5
Expectant Mothers	4.5	3.6

Average number of attendances per

Infant	4.3	4.4
Child	3.3	3.2
Mother	3.5	3.9

ATTENDANCES IN DETAIL.

	Infants.	Children, 1 to 5	Ante-natal Mothers.
One attendance	89	227	25
Two attendances	59	75	11
Three " "	34	34	5
Four " "	31	29	5
Five " "	15	12	2
Six " "	10	20	—
Seven " "	11	13	1
Eight " "	6	11	—
Nine " "	6	9	1
Ten " "	7	9	2
Eleven " "	4	2	—
Twelve " "	5	5	—
Thirteen " "	5	1	—
Fourteen " "	—	2	—
Fifteen " "	1	—	—
Sixteen " "	1	4	2
Seventeen " "	3	1	—
Eighteen " "	1	1	—
Nineteen " "	2	1	—
Twenty " "	1	—	—
Twenty-one " "	3	1	—
Twenty-two " "	1	—	—
Twenty-three " "	1	—	—
Twenty-four " "	1	—	—
Twenty-five " "	2	—	—
Twenty-six " "	—	2	—
Thirty-four " "	—	1	—

A summary of the attendances of infants and expectant mothers from the various wards of the Borough gives the following figures:—

Bradley	Central	Clover Hill	Marsden	Netherfield
138	65	83	57	142
Southfield	Walverden	Whitefield	Out of Borough	
118	105	93	12	
No of Infants for whom consultations were requested ...				218
„ Children	„	„	„	245
„ consultations for Infants				474
„ „ Children				404
„ „ Ante-natal Mothers				10
Total Consultations				888

No. of consultations per Infant and Child:—

	Infants.	Children.
No. requiring one consultation	102 ...	162
„ „ two consultations	48 ...	50
„ „ three consultations	34 ...	15
„ „ four consultations	17 ...	9
„ „ five consultations	8 ...	3
„ „ six consultations	5 ...	2
„ „ seven consultations	1 ...	2
„ „ eight consultations	1 ...	—
„ „ nine consultations	— ...	2
„ „ ten consultations	1 ...	—
„ „ eleven consultations	1 ...	—

MATERNITY HOME.

The Maternity Home is situated in Netherfield Road, and with the present accommodation was opened on May 28th, 1921.

A reduction in the fee for admission to the Home took place during the year, the amended fee now being £2-2-0 per week for residents, and £3-3-0 per week for non-residents.

For residents the application for admission is made on a form which gives an option to the applicant, according to their financial status, to

- Agree to pay the full fee in one payment,
- Agree to pay the full fee by instalments,
- Apply for a reduction of the fee, or
- Apply for free admission.

In the two latter cases the Maternity and Child Welfare Committee consider the application and decide what fee should be paid.

The services of the Consultant have been requested on five occasions during the year at the Maternity Home, in four cases prior to confinement and in one case after confinement. In the latter case the patient was removed to Reedyford Hospital for treatment. In two of the former cases a caesarean section was recommended, this operation taking place at Reedyford Hospital.

Two Ante-natal Clinics are held at the Maternity Home per week, one an afternoon session and one an evening session. This gives an opportunity for the Matron to consult with all applicants to the Home. Any abnormal condition found by the Matron at these consultations is reported to the Medical Officer of Health and the patient advised to consult the medical practitioner with whom she has made arrangements for the confinement. Systematic examination of urine is carried out, applicants being recommended to facilitate this work being done. The average length of stay in the Home is 14 days.

Particulars of the work carried out at the Home during 1935 are :—

Total number of patients admitted to the Home from date of re-opening to 31st December, 1935	2720
No. of patients admitted during year	171
„ „ who agree to pay full fee	111
„ „ „ applied for a reduction of the fee	60
„ „ „ were admitted at a reduced fee	32
„ „ „ „ „ free	24
No. of patients admitted who were not resident in the Borough	15
„ Births for year (alive)	162
„ „ „ (still-born)	7
„ Twin Births	Nil
„ Abortions	Nil
„ Patients for whom the services of the Consultant Practitioner were required	5

„ Ante-natal mothers who attended for consultations	169
„ Attendances by ante-natal mothers	1447
„ Ante-natal mothers advised to obtain medical advice	59
„ Ante-natal mothers who were admitted to the Home for special treatment following medical advice...	14
„ Ante-natal mothers for whom Hospital treatment was advised	6
„ Patients advised special home treatment	16

The following is a list of admissions to the Home per month for the year :—

Month	Number Admitted	Number of Births		Number of Deaths	
		Alive	Dead	Infants	Mother.s
January	17	16	—	1	—
February	18	17	1	1	—
March	13	13	—	—	—
April	18	15	3	1	—
May	12	12	—	2	—
June	16	15	1	1	—
July	10	10	—	—	—
August	12	12	—	—	—
September	15	13	2	—	—
October	14	12	—	—	—
November	12	13	—	—	—
December	14	14	—	—	—
Totals	171	162	7	6	—

No. of patients admitted per year since re-opening :—

1921 (7 months)	28
1922	66
1923	148
1924	199
1925 (11 months)	204
1926	236
1927	189
1928	238
1929	222
1930	244
1931	210
1932	219
1933	191
1934	153
1935	171

Average number of patients in residence per day throughout the year	6.2
Total number of patient days	2271

The following table gives an idea as to how the beds have been occupied throughout the year:—

On 18 days during the year more than 10 beds were occupied.

„ 23	„	„	10 beds were occupied.
„ 30	„	„	9 „ „ „
„ 38	„	„	8 „ „ „
„ 59	„	„	7 „ „ „
„ 51	„	„	6 „ „ „
„ 50	„	„	5 „ „ „
„ 49	„	„	4 „ „ „
„ 17	„	„	3 „ „ „
„ 15	„	„	2 „ „ „
„ 13	„	„	1 bed was occupied.
„ 2	„	„	there were no patients.

The following table gives the percentage of births occurring in the Maternity Home:—

No. of patients admitted to Maternity Home	171
No. of non-residents included in above	15
Percentage of total number	8.8%
Percentage of total number in 1934	12.4%
Total births notified in Nelson including Still-Births ...	353
Total number of Births in Maternity Home	169
Percentage of Births in Maternity Home	47.9%
Percentage of Births in Maternity Home in 1934	42.0%
Excluding the number of Births relating to out of Borough patients:—	
Number of Births in Maternity Home	154
Percentage of Births in Maternity Home	43.6%
Percentage of Births in Maternity Home in 1934	38.8%

During the year 6 deaths have occurred in the Home, particulars regarding which are as follows:—

Date of Death	Age	Cause of Death	Length of Time in Home
MATERNAL DEATHS			
NIL.			
INFANT DEATHS			
Jan. 24	1 week	Meningitis Spina Bifida	...
Feb. 18	1 week	Meloena Neonatorum Premature Birth	...
April 22	15 mins.	Asphyxia Neonatorum	...
May 4	10 mins.	Spina Bifida	...
May 23	4 days	Intestinal Obstruction. Imperforate Anus Congenital Ab- sence of Rectum. Colo-vesical Fistula	...
June 17	1 day	Spina Bifida Prematurity	...

INCIDENCE OF MATERNAL MORTALITY, STILL-BIRTHS AND INFANT DEATHS.

No. of Maternal Deaths—

Puerperal Sepsis	Nil
Other accidents and diseases of pregnancy and parturition	Nil
Total	Nil
Maternal death rate per 1,000 of population	Nil
Maternal Mortality Rate per 1,000 Live Births—	

England and Wales. Nelson.

Puerperal Sepsis	1.68	Nil
Others	2.42	Nil
Total	4.10	Nil
Maternal Mortality Rate per 1,000 Total Births—		
Puerperal Sepsis	1.61	Nil
Others	2.32	Nil
Total	3.93	Nil

No. of deaths of infants under 1 year	27
„ infants born during year who died during year	24
„ deaths under 1 year due to prematurity, congenital defects or injury at birth	19

Analysis of occupation of mother and period of time of ceasing work before confinement in these 19 cases

Cause of Death	Occupation of Mother	Time of ceasing work before Confinement
Prematurity	Weaver	1 week
„	„	Same day
„	„	„
„	Silk Winder	1 month
„	Reacher-In	3 months
„	Home Duties	—
	(3 cases)	
Congenital Defects	Silk Winder	6 weeks
„ „	Home Duties... ..	—
	(8 cases)	
Injury at Birth.....	Weaver	3 months
„ „	Home Duties	—
	(1 case)	

No. of infant deaths over 1 but under 2 years of age	3
„ „ „ 2 „ 3 „	Nil
„ „ „ 3 „ 4 „	Nil
„ „ „ 4 „ 5 „	2

Death rate per 1,000 births, average number for four years—

Over 1 but under 2 years of age	8
„ 2 „ 3 „	Nil
„ 3 „ 4 „	Nil
„ 4 „ 5 „	5

Causes of death in these 5 cases.

Cause of Death.	Over 1 but under 2 years.	Over 2 but under 3 years.	Over 3 but under 4 years.	Over 4 but under 5 years.
Pneumonia ..	1	—	—	—
Bronchitis	1	—	—	—
Septic				
Pharyngitis ..	1	—	—	—
Scarlet Fever —	—	—	—	1
Syncope Pleural				
Effusion	—	—	—	1

No. of still-births (notified)	19
Rate per 1,000 total births (notified)	54

STILL-BIRTHS (NOTIFIED).

Occupation of Mother	Time between working and confinement	Stage of development of child in months.	Other Children.				Attended by Doctor or Midwife.	Remarks.
			Alive	Dead	Still-born	Abortion		
Weaver	2 wks.	7	...	...	...	...	Doctor	Albumenuria
„	3 wks.	9	...	...	...	..	„	Strangulation by umbilical cord. Dead 1 day before birth. Ill nourished.
„	3 mths.	9	...	...	...	...	„	Cause not known
„	4 mths.	9	...	...	...	...	„	Cause not known
„	8 mths.	9	...	...	1	1	„	Macerated. Baby been dead 6 weeks
„	3 mths.	9½	...	...	...	...	„	Post mature. Malpresentation. Strangulation by umbilical cord
Winder	2 mths.	9	...	...	...	...	„	Head sutures very wide. Baby been dead a few days. Spina Bifida,
Chain Beamer...	5 mths.	9	...	...	...	...	„	Macerated
Home Duties ...		7	1	...	...	...	„	Heavy lifting beforeh'd
„		8	...	...	...	...	„	Cause not known
„		9	...	1	...	...	„	Hydrocephalus
„		9	...	...	...	...	„	Strangulation by umbilical cord. Dead 2 days before birth

DIED DURING BIRTH (NOTIFIED).

Occupation of Mother	Time between working and confinement	Stage of development of child in months	Other Children.				Attended by Doctor or Midwife.	Remarks
			Alive	Dead	Still-born	Abortion		
Weaver	3 mths.	9	...	...	...	...	Doctor	Complicated Delivery
Teacher	4 mths.	9	...	...	...	...	„	Complicated Delivery
Home Duties ...		9	...	...	...	...	„	Delayed Labour
„		9	...	...	...	...	„	Umbilical cord too short
„		9	...	...	...	...	„	Complicated Delivery
„		9	...	...	...	...	„	Induction. Difficult
„		9	...	...	...	...	„	Forceps Delivery.
„		9	...	...	...	...	„	Cerebral injuries.
„		9	...	...	...	...	„	Difficult Labour
„		9	...	...	...	...	„	Delayed Labour

No scheme is in operation for dealing with unmarried mothers, illegitimate children, or children permanently or temporarily deprived of a home with their own parents.

ORTHOPÆDIC CLINIC.

The Orthopædic Clinic is held weekly on Fridays at the School Clinic in Carr Road. The scheme is run in conjunction with the Local Education Committee, the Lancashire County Council and the Colne Local Authority.

The following figures refer to the children who have been in attendance following a recommendation from the Infant Welfare Centre.

No. of times Clinic was open during year	36
„ infants who attended during year	36
„ attendances made by these infants	92
„ infants under treatment at Biddulph, 31st December, 1934	Nil
„ infants sent to Biddulph Hospital	Nil
„ „ discharged from Biddulph	Nil
„ „ under treatment at Biddulph, 31st December, 1935	Nil

The number of new cases admitted to the Clinic per month during the year is:—

No. of new cases in January	3
February	1
March	4
April	3
May	—
June	4
July	—
August	—
September	1
October	—
November	3
December	2

No. of cases who have attained school age during the year and been transferred into the School Medical Service Section	15
--	----

The defects necessitating orthopædic treatment in the 21 children who have been admitted during the year are:—

Generalised rickets	—
Defects of the hip	1
Defects of the lower limbs	20

Defects of the upper limbs	—
Defects of the spine	—
Other defects	—

DETAILS OF ATTENDANCES AT ORTHOPÆDIC CLINIC.

Attendances.		Children.
One attendance		18
Two attendances		7
Three ,,		3
Four ,,		4
Five ,,		1
Seven ,,		1
Eleven ,,		1
Twelve ,,		1

OPHTHALMIA NEONATORUM.

Attack Rate per 1,000 live births 11.3

Cases			Vision unimpaired	Vision impaired (slight)	Total blindness	Deaths
Notified 1935	Treated					
	Home	Hospital				
4	2	2	3	1	...	Nil

PUERPERAL FEVER.

No. of cases reported	Nil
No. of deaths	Nil
Attack Rate per 1,000 Total Births	Nil
Attack Rate per 1,000 Total Births (England and Wales)...	3.60
,, ,, ,, ,, 121 County Boroughs...	4.55
,, ,, ,, ,, 140 Smaller Towns.....	2.76
,, ,, ,, ,, London	4.32

PUERPERAL PYREXIA.

No. of cases reported	2
No. of deaths	Nil
No. of cases in which second opinion was requested	2
No. of cases in which bacteriological examination was requested	Nil
No. of cases in which removal to Hospital was requested ...	1

No. of cases in which services of a trained nurse were requested	Nil
No. of cases in residence at Fern Lea	Nil
Attack Rate per 1,000 total births	5.34
Attack Rate per 1,000 total births (England and Wales) ...	9.44
,, 121 County Boroughs ...	11.14
,, 140 Smaller Towns ...	8.25
,, London ...	11.89

CONCLUSION.

In the compilation of this report I am indebted to the following officials, who have supplied me with particulars relating to work that comes under their supervision.

Mr. F. V. Alexander, Borough Surveyor.

Mr. A. Boothman, Borough Water Engineer.

Mr. H. Graham, Borough Treasurer.

Dr. J. J. Butterworth, County Medical Officer of Health.

Supt. H. Linaker, Lancashire County Constabulary.

Dr. B. MacPhee, Consultant Tuberculosis Officer.

Mr. J. T. Nutter, Director of Public Cleansing.

The work of the Public Health Department has been intensified during the year, the outbreak of food poisoning and the preparation for the housing survey being instances in which extra duties were entailed. I have however received on all occasions the willing co-operation of the members of the staff and each one has rendered efficient service. All matters have received careful and full attention, and though work has been necessary outside specified working hours, including both week-ends and holidays, I am fortunate in having members of the staff who take interest in the work and are prepared to make sacrifices in order that such work shall be carried out to your satisfaction.

I am, Ladies and Gentlemen,

Your obedient Servant,

R. G. MARKHAM, M.B., D.P.H.,
Medical Officer of Health.



Borough of Nelson.

Annual Report
of the
School Medical Officer
For 1935.

R. G. MARKHAM, M.B., D.P.H.,
School Medical Officer.

BOROUGH OF NELSON.

School Medical Service Sub-Committee.

ALDERMAN A. SMITH, Chairman.

THE MAYOR (Alderman C. Smithson).

ALDERMAN E. BOOTHMAN

„ J. A. HELLIWELL

„ R. WINTERBOTTOM

COUNCILLOR R. BLAND

„ F. CORK

„ H. DEWHURST

„ J. WIDDUP

MRS. S. J. COOPER



Officers and Staff of the School Medical Service Department.

School Medical Officer R. G. MARKHAM, M.B., D.P.H.

Dentist MR. THOMAS JACKSON, L.D.S.

Nurses MISS E. SIMPSON, MRS. E. A. SAVILLE-SMITH*
AND MISS L. P. SPARKES

Senior Clerk A. WILDMAN*

Junior Clerk N. GRIFFITHS

Organising Secretary for Education MR. JAS. SKINNER

* Part Time.

School Clinic, 11 Carr Road.

List of Schools in the Borough.

Secondary Day School Oxford Road

SENIOR.

	Accommodation.	Total.	Average No. on Rolls December, 1935.	
			Under 5.	
Bradley Boys C.	320 ...	217 ...	—	
Edge End Boys C.	480 ...	372 ...	—	
Walverden Girls C.	480 ...	331 ...	—	
Whitefield Girls C.	320 ...	207 ...	—	

JUNIOR MIXED.

Bradshaw Street C. (A)	400 ...	234 ...	—	
Bradshaw Street C. (B)	350 ...	290 ...	—	
Great Marsden C. of E.	260 ...	261 ...	—	
Leeds Road C. of E.	200 ...	200 ...	—	
Little Marsden C. of E.	135 ...	76 ...	—	
Lomeshaye C.	200 ...	161 ...	—	

R.C. MIXED.

Holy Saviour	210 ...	145 ...	—	
St. George's	88 ...	84 ...	—	
St. Joseph's	210 ...	87 ...	—	
Open Air C.	120 ...	119 ...	—	

INFANTS.

Bradley C.	250 ...	182 ...	29	
Bradshaw Street C.	350 ...	238 ...	47	
Great Marsden C. of E.	120 ...	132 ...	26	
Holy Saviour R.C.	95 ...	69 ...	19	
Leeds Road C. of E.	100 ...	59 ...	7	
Little Marsden C. of E.	65 ...	67 ...	6	
St. George's R.C.	92 ...	40 ...	15	
St. Joseph's R.C.	150 ...	57 ...	25	
Walverden C.	250 ...	174 ...	40	
Whitefield C.	300 ...	203 ...	35	

Totals 5545 ... 4005 ... 249

NELSON,
APRIL, 1936.

To the Chairman and Members of the Nelson Education Committee.

LADIES AND GENTLEMEN,

I have pleasure in submitting a report of the work of the School Medical Services Department during the year ended 31st December, 1935.

There have been no changes in the arrangements for carrying out the various duties.

The work has proceeded during the year on similar lines to previous years, no exceptional circumstances have arisen, and a study of the various figures and comparisons shows no outstanding features. I am again therefore confining the report to statements of each branch of the work and submitting the relative figures.

Medical Inspection of the school children is dealt with in three categories, i.e., the Routine Inspections, the Special Inspections, and the Re-inspections.

Treatment of defects so far as carried out under the Authority's scheme, is dealt with in the work of the School Clinic, the Orthopædic Clinic and to a certain extent the Open Air School and the Convalescent Home.

One portion of the School Nurses' work is shown in home visiting, the following up of the Medical Inspections and the examination of the school children for personal cleanliness.

General matters dealt with are, the provision of milk to school children, the provision of meals for necessitous children, the use of the swimming baths as part of the school curriculum, the prevalence of infectious diseases amongst school children, and classification of all exceptional school children in the area from a medical standpoint.

ROUTINE INSPECTIONS.

The number of children inspected at the Routine Inspections during the year was 446 in the Entrants group, 496 in the second age group (i.e., 8 years of age), and 477 in the third age group (i.e., children of 12 years of age).

The inspection revealed that in the entrants group 139 children required treatment, in the second age group 171 required treatment, and in the third age group there were 95 children requiring treatment.

The percentage of children requiring treatment is shown in the following table, which also gives the corresponding figures for the three previous years. This shows a slight increase for 1935, more particularly in the second age group, the chief cause of which was the prevalence of pharyngitis, and an increase in the number of cases of defective vision.

	1932.		1933.		1934.		1935.
Entrants	23.0	...	24.0	...	29.1	...	31.17
Second Age Group...	29.0	...	28.6	...	29.8	...	34.48
Third Age Group ...	19.3	...	21.8	...	22.4	...	19.92
Total Code Groups...	24.2	...	24.4	...	26.9	...	28.54

The following table shows a summarised analysis of the defects found in the course of the Routine Inspection, which required treatment or to be kept under observation. From this table it will be seen that Diseases of the Nose and Throat and Defective Vision form approximately 50% of the defects found.

	Requiring treatment.	Requiring observation, but not requiring treatment.
Defect or Disease of the Skin	13	—
Defect or Disease of the Eye	11	4
Defective Vision, including Squint	124	1
Defective Hearing	3	2
Disease of the Ear	12	—
Disease of the Nose and Throat	134	11
Defective Speech	—	7
Enlarged Cervical Glands (Non-Tuberculous)	28	7
Defect or Disease of the Heart & Circulation	13	15
Defect or Disease of Lungs (Non-Tuberculous)	22	19
Defect or Disease of Nervous System	10	14
Tuberculosis (definite or suspected)	—	2
Deformities	24	19
Other Defects and Diseases	24	19
Total.....	418	120

For comparative purposes the following series of tables have been prepared, showing the results of the Routine Inspections for the years 1925 to 1935, in terms of the defects found requiring treatment or observation per 1,000 children inspected. An average is given for ten years with which can be compared each individual year's figures.

DEFECTS FOUND DURING ROUTINE INSPECTIONS CALCULATED PER 1,000 SCHOOL CHILDREN INSPECTED.

T = Treatment. O = Observation.

Year	Malnutrition			Ringworm Scalp.			Ringworm Body.			Scabies			Impetigo			Other Skin Diseases Non-Tubercular		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1925	...	1.98	1.98	...	...	...	...	...	...	...	...	...	1.98	0.49	2.47	5.94	5.44	11.38
1926	...	6.52	6.52	1.45	0.72	2.17	0.72	...	0.72	...	...	...	4.35	...	4.35	7.25	14.50	21.75
1927	...	4.92	4.92	0.70	...	0.70	...	...	...	...	...	...	6.33	...	6.33	8.44	7.03	15.48
1928	6.87	1.87	8.75	14.37	...	14.37	...	...	...	...	...	...	6.87	...	6.87	7.50	3.75	11.25
1929	2.19	2.19	4.39	0.73	...	0.73	...	...	...	...	...	...	2.19	...	2.19	3.66	3.66	7.32
1930	4.34	2.61	6.95	...	...	...	2.61	0.87	3.47	...	...	...	4.34	...	4.34	15.65	3.47	19.13
1931	0.75	3.00	3.75	...	...	...	...	...	...	...	...	...	1.50	...	1.50	9.01	2.25	11.26
1932	0.67	2.68	3.35	0.67	...	0.67	1.34	...	1.34	0.67	...	0.67	0.67	...	0.67	11.41	0.67	12.08
1933	0.73	1.45	2.18	...	...	...	...	...	...	2.92	...	2.92	...	...	...	10.94	0.73	11.67
1934	4.45	2.96	7.42	...	...	...	...	...	...	...	...	...	3.71	...	3.71	8.16	0.74	8.90
Average for 10 yrs	2.00	3.02	5.02	1.79	0.07	1.86	0.47	0.08	0.55	0.36	...	0.36	3.19	0.05	3.24	8.79	4.22	13.02
1935	3.52	2.11	5.63	...	...	...	...	...	...	0.70	...	0.70	1.41	...	1.41	7.05	...	7.05

Year	Blepharitis			Conjunctivitis			Keratitis			Corneal Opacities			Defective Vision excluding Squint			Squint		
	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O
1925	3.46	...	3.46	0.49	...	0.49	...	...	...	...	...	...	78.21	51.98	130.19	2.47	3.96	6.43
1926	1.45	...	1.45	2.17	...	2.17	...	...	...	0.72	1.45	2.17	102.24	8.70	110.95	2.89	5.07	7.97
1927	0.70	2.80	3.51	0.70	...	0.70	...	...	...	0.70	0.70	1.40	109.78	0.70	110.48	6.33	1.40	7.73
1928	3.75	...	3.75	2.50	...	2.50	...	...	...	0.62	...	0.62	93.75	...	93.75	6.25	1.87	8.12
1929	...	...	...	1.46	...	1.46	...	...	...	0.73	0.73	1.46	101.02	2.92	103.95	4.39	1.46	5.85
1930	...	...	...	2.61	...	2.61	...	...	...	1.74	0.87	2.61	77.39	...	77.39	2.61	0.87	3.47
1931	2.25	0.75	3.00	1.50	...	1.50	0.75	...	0.75	0.75	...	0.75	125.47	0.75	126.22	3.75	1.50	5.26
1932	1.34	...	1.34	...	...	...	...	...	...	0.67	0.67	1.34	86.57	...	86.57	2.68	0.67	3.35
1933	1.45	0.73	2.18	0.73	...	0.73	...	...	...	0.73	...	0.73	68.61	0.73	69.34	8.03	...	8.03
1934	1.48	...	1.48	2.22	...	2.22	...	...	...	...	...	...	69.73	1.48	71.21	2.96	2.22	5.19
Average for 10 yrs	1.59	0.43	2.02	1.44	...	1.44	0.07	...	0.07	0.66	0.44	1.10	91.27	6.72	98.00	4.24	1.90	6.14
1935	1.41	...	1.41	2.12	0.70	2.82	...	...	...	1.41	0.70	2.12	84.56	...	84.56	0.70	0.70	1.41

Year	Other Eye Conditions			Defective Hearing			Otitis Media			Other Ear Diseases			Enlarged Tonsils only			Adenoids only		
	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O	T	O	T and O
1925	1.48	...	1.48	4.95	9.40	14.35	5.44	1.98	7.42	4.95	0.99	5.94	51.98	18.31	70.29	1.98	2.97	4.95
1926	1.45	...	1.45	16.67	3.62	20.30	3.62	0.72	4.35	0.72	0.72	1.45	38.43	27.55	65.98	5.80	3.62	9.42
1927	1.40	...	1.40	5.63	1.40	7.03	...	...	...	1.40	1.40	2.80	43.63	11.96	55.59	9.85	2.80	12.66
1928	2.50	1.25	3.75	8.75	1.25	10.00	0.62	...	0.62	6.25	...	6.25	40.00	5.00	45.00	8.12	1.87	10.00
1929	1.46	3.66	5.12	5.12	1.46	6.58	2.19	...	2.19	8.78	0.73	9.51	45.38	11.71	57.10	1.46	1.46	2.92
1930	2.61	...	2.61	7.82	...	7.82	2.61	0.87	3.47	5.21	0.87	6.08	53.91	6.95	60.87	6.08	0.87	6.95
1931	0.75	2.25	3.00	4.50	...	4.50	3.00	...	3.00	6.76	0.75	7.51	46.58	4.50	51.09	6.76	2.25	9.01
1932	1.34	2.01	3.35	6.71	2.68	9.39	5.36	...	5.36	6.04	1.34	7.38	56.37	6.04	62.41	2.01	0.67	2.68
1933	2.19	2.19	4.38	2.92	...	2.92	5.84	...	5.84	6.56	...	6.56	43.06	5.84	48.90	1.45	...	1.45
1934	0.74	1.48	2.22	6.67	2.96	9.64	3.71	0.74	4.45	3.71	0.74	4.45	14.09	...	14.09	6.67	1.48	8.16
Average for 10 yrs	1.59	1.28	2.87	6.97	2.28	9.25	3.24	0.43	3.67	5.04	0.75	5.79	43.34	9.79	53.13	5.02	1.80	6.82
1935	2.82	1.41	4.23	2.12	1.41	3.52	4.23	...	4.23	4.23	...	4.23	33.94	0.70	34.64	2.12	0.70	2.82

Year	Enlarged Tonsils and Adenoids			Other Conditions Nose and Throat			Enlarged Cervical Glands (Non-Tubercular)			Defective Speech			Organic Heart Disease			Functional Heart Disease		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1925	8.41	3.46	11.88	41.08	24.75	65.84	21.28	18.81	40.09	1.98	0.49	2.47	8.91	...	8.91	9.40	0.99	10.39
1926	6.52	2.89	9.42	15.22	12.32	27.55	8.70	9.42	18.12	2.17	2.17	4.35	0.72	3.62	4.35	...	7.97	7.97
1927	5.63	0.70	6.33	22.51	10.55	33.07	31.66	21.11	52.78	0.70	0.70	1.40	...	5.63	5.63	...	8.44	8.44
1928	5.00	...	5.00	38.12	10.62	48.75	16.25	...	16.25	1.25	1.87	3.13	...	3.13	3.13	0.62	3.75	4.37
1929	7.32	2.19	9.51	25.62	13.17	38.80	10.25	9.51	19.76	2.92	2.19	5.12	...	2.92	2.92	0.73	6.58	7.32
1930	5.21	...	5.21	36.52	8.69	45.21	8.69	3.47	12.17	1.74	1.74	3.47	1.74	3.47	5.21	1.74	6.95	8.69
1931	4.50	...	4.50	44.40	5.26	49.66	4.50	4.50	9.01	3.00	3.00	6.01	0.75	1.50	2.25	...	7.51	7.51
1932	...	...	...	28.85	2.01	30.86	14.09	8.72	22.81	...	4.70	4.70	...	2.01	2.01	...	3.35	3.35
1933	1.45	...	1.45	34.30	3.65	37.95	16.05	10.21	26.26	0.73	2.92	3.65	0.73	2.19	2.92	...	5.84	5.84
1934	5.19	...	5.19	69.73	11.87	81.60	22.99	8.16	31.15	...	2.96	2.96	...	2.22	2.22	...	5.93	5.93
Average for 10 yrs	4.92	0.92	5.84	35.64	10.29	45.93	15.44	9.40	24.84	1.45	2.27	3.72	1.28	2.67	3.95	1.25	5.73	6.98
1935	6.34	...	6.34	50.03	6.34	56.37	19.73	4.93	24.66	...	4.93	4.93	...	2.12	2.12	...	3.52	3.52

[illegible]

Year	Chorea			Other Conditions Nervous System			Rickets			Spinal Curvature			Other Forms Deformities			Other Defects and Diseases		
	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.	T.	O.	T. and O.
1925	...	0.49	0.49	1.98	4.95	6.93	0.49	4.46	4.95	...	4.95	4.95	3.46	9.90	13.36	4.46	24.25	28.71
1926	...	1.45	1.45	...	5.80	5.80	...	3.62	3.62	0.72	1.45	2.17	2.17	13.77	15.95	1.45	20.30	21.75
1927	...	0.70	0.70	1.40	6.33	7.73	...	3.51	3.51	0.70	0.70	1.40	6.33	9.85	16.18	34.48	27.44	61.92
1928	0.62	1.25	1.87	7.50	6.25	13.75	1.87	1.25	3.13	5.00	1.87	6.87	5.00	5.62	10.62	88.12	13.75	101.87
1929	0.73	0.73	1.46	3.66	8.78	12.44	2.92	...	2.92	4.39	...	4.39	8.78	13.90	22.69	19.03	16.83	35.87
1930	1.74	...	1.74	6.08	14.78	20.87	...	...	...	1.74	0.87	2.61	13.91	4.34	18.26	24.35	13.91	38.26
1931	2.25	0.75	3.00	6.01	11.26	17.28	0.75	0.75	1.50	0.75	0.75	1.50	9.01	9.01	18.02	22.54	15.02	37.56
1932	1.34	0.67	2.01	6.71	12.08	18.79	1.34	0.67	2.01	5.36	...	5.36	8.72	9.39	18.11	20.80	15.43	36.23
1933	2.19	...	2.19	5.11	10.94	16.05	...	0.73	0.73	1.45	2.19	3.64	3.65	4.38	8.03	16.05	18.24	34.29
1934	1.48	...	1.48	5.19	10.38	15.58	...	0.74	0.74	3.71	3.71	7.42	8.16	14.09	22.25	14.09	8.90	22.99
Average for 10 yrs	1.03	0.60	1.63	4.36	9.16	13.52	0.74	1.57	2.31	2.38	1.65	4.03	6.92	9.43	16.35	24.54	17.41	41.95
1935	1.41	2.12	3.53	5.63	7.75	13.38	2.12	...	2.12	7.75	0.70	8.45	7.05	12.68	19.73	16.91	13.39	30.30

SPECIAL INSPECTIONS.

Special Inspections include :—

- A. Children brought forward by the Head Teacher at the school at the time of my Routine Inspection.
- B. Children brought to the Clinic by parents, or sent direct from school to the Clinic.
- C. Children inspected for a particular object, i.e., admission to Open Air School, visit to Convalescent Home, or suitability for part time employment.

The following table shows a summary of the defects found as a result of these inspections, the total number of children inspected being 1,173.

	Requiring treatment.	Requiring observation, but not requiring treatment.
Defect or Disease of the Skin	147	2
Defect or Disease of the Eye	19	—
Defective Vision, including Squint	1	3
Defective Hearing	6	1
Diseases of the Ear	12	—
Diseases of the Nose and Throat	121	15
Defective Speech	—	1
Enlarged Cervical Glands (Non-Tuberculous)	43	3
Defect or Disease of Heart and Circulation ...	60	12
Defect or Disease of Lungs (Non-Tuberculous)	55	12
Defect or Disease of Nervous System	46	12
Tuberculosis (definite or suspected)	—	1
Deformities	12	3
Other Defects and Diseases	178	35
Total	700	100

A summary of the total defects found during the year as a result of routine and special inspections is shown in the next table. This also shows the total defects for the previous year and for comparative purposes each group of defects is shown as a percentage of the total defects.

RE-INSPECTIONS.

These are carried out either at the schools or at the Clinic, and comprise the inspection of all children who have at previous inspections been found to require either treatment or observation. In addition, all my periodic inspections of the children at the Open Air School are recorded as re-inspections.

A total of 1714 re-inspections have been carried out during the year. The record of the re-inspections so far as they relate to the defects found in the course of the previous year's routine inspections show that of 1381 defects found, 916 or 66.3% had been cured, 317 or 23.0% were improved, and 148 or 10.7% were either unchanged or had not been seen, due to the child not being in attendance at the school.

RE-EXAMINATION SUMMARY.

Defect or Disease.	Number found in 1934.		Result of Re-inspection, 1935.		
	Referred for Treatment	Referred for Observation	Cured	Improved	Unchanged absent or left school
Malnutrition	6	5	3	5	3
Defect or Disease of Skin	132	1	120	9	4
Defect or Disease of Eye	33	3	29	5	2
Defective Vision and Squint	108	9	94	19	4
Defect or Disease of Ear	37	2	31	5	3
Defective Hearing	18	4	17	3	2
Defect or Disease of Nose and Throat	277	20	222	46	29
Enlarged Cervical Glands (Non Tuberculous)	86	11	57	22	18
Defective Speech	2	4	1	4	1
Defect or Disease of Heart and Circulation	77	29	37	52	17
Defect or Disease of Lungs (Non Tuberculous) ..	82	31	53	39	21
Tuberculosis (Definite or Suspected)	—	2	—	2	—
Defect or Disease of Nervous System	76	24	53	35	12
Deformities	29	29	8	34	16
Other Defects or Diseases	203	41	191	37	16
Totals	1166	215	916	317	148

FOLLOWING UP MEDICAL INSPECTIONS.

This work is carried out by the School Nurses, with a view to ensuring that the parents are made aware of defects found during the course of the medical inspections, and also the treatment required for dealing with such defects. Subsequent visits give an indication as to whether the advice given is being carried out, and what progress the child is making towards recovery. The children are seen either at school or at the Clinic, but the work entails many visits to the homes of the children.

It was shown as a result of the following up that whereas 1375 defects had been found in the 1935 medical inspections, by the end of the year 48.4% had been cured, 34.2% were improving, and 17.4% showed little change.

HOME VISITING.

1,115 visits to the homes of the children have been made by the School Nurses. Visits are necessitated in following up the Medical Inspections, and also when examination of the children for personal cleanliness reveals an unsatisfactory condition. In these latter cases, in giving advice on the cleanliness, the home conditions have to be taken into consideration.

EXAMINATION OF CHILDREN AS REGARDS CLEANLINESS.

85 surprise visits have been paid to the schools, and 13,957 examinations carried out by the School Nurses. 3,922 children have been examined, and of these 3,634 were found to be satisfactory. This latter number comprises 2,016 boys and 1,618 girls, and represents 98.4% of the total boys and 86.4% of the total girls examined. The corresponding figures for the previous year were 98.6% of the boys and 90.3% of the girls who were found to be satisfactory.

The following figures show a summary of the children who were found in a more or less unsatisfactory condition, and for comparison the figures for the previous year are given.

	Percentage of children examined found to have					
	Few Nits		Many Nits		Pediculi	
	Boys	Girls	Boys	Girls	Boys	Girls
1935	0.04	1.3	0.7	10.1	0.8	2.2
1934	0.1	1.3	1.0	7.0	0.3	1.4

16 cases of Scabies have been found in the course of the medical inspections, and 23 cases have been under treatment

at the School Clinic. This is a slight increase on the previous year when 12 cases were found and 16 cases treated at the Clinic. In most of these cases family contact is found to be the cause of the spread of the disease, and therefore in addition to the treatment given at the Clinic, there is co-ordination with the Public Health Department for assistance in stamping out the disease.

TREATMENT OF DEFECTS.

The facilities available under the Authority's scheme at the School Clinic include the treatment of:—

- (a) Minor eye defects.
- (b) Minor ear defects.
- (c) Minor skin diseases.
- (d) Slight defects of the nose and throat.
- (e) Minor injuries, bruises, etc.
- (f) Crippling defects.
- (g) Defective vision, including refractions and the provision of spectacles.

In cases of defects other than those enumerated above, parents of the children are always advised to call in their own medical practitioner. Even when the Clinic facilities are available, it is left entirely to the option of the parents to either call in their own doctor or accept treatment at the Clinic.

The School Clinic has been open on 276 days during the year, and a total of 10,655 attendances have been made by the children, the average attendance per day being 38.6.

1,270 defects have been treated during the year, this including 294 defects or diseases of the skin, 69 minor eye defects, 68 minor ear defects, 433 minor injuries, bruises, etc., 188 defects of the nose and throat, 69 orthopædic or postural defects, and 149 errors of refraction.

Following up records show 12 defects or diseases of the skin, 2 eye defects, 4 ear defects, 106 minor injuries, 18 defects of the nose and throat, and 15 cases of defective vision have received treatment, apart from the Authority's scheme. Included in these figures are 18 children who have received operative treatment for tonsils and adenoids, etc.

This gives a total of 1,427 defects which have received treatment during the year.

At the beginning of the year there were 135 defects under treatment, and amongst the children who have attended the

Clinic during the year 1,766 defects were found requiring either treatment or observation. 194 of these defects were still under treatment at the end of the year.

An analysis of the total defects on account of which children have attended the Clinic is shown in the following table. This number includes all defects, whether they have merely required observation, required treatment which could be given at the Clinic, or were such as to necessitate the private practitioner being consulted.

A calculation has been made, showing the rate per 1,000 school children of the various defects or diseases, and for comparison the corresponding rates for the two previous years are given.

DEFECT OR DISEASE	Number found or suspected in 1935	Rate per 1000 school children		
		1935	1934	1933
Impetigo	95	23.75	30.54	32.63
Eczema	12	3.00	2.64	3.47
Seborrhoea	29	7.25	8.41	5.38
Alopecia	8	2.00	1.20	0.46
Septic Sores	79	19.75	23.80	26.39
Ringworm	21	5.25	7.69	7.87
Other Skin Diseases	109	27.25	22.36	18.05
Verminous and Sore Heads	5	1.25	0.96	1.15
Vision	298	74.50	62.77	49.07
Blepharitis	21	5.25	6.73	8.33
Conjunctivitis	25	6.25	7.69	7.17
Other Eye Diseases	18	4.50	8.41	7.87
Otorrhoea	34	8.50	12.02	11.80
Wax in Ears	16	4.00	6.25	4.16
Other minor Ear Defects	18	4.50	6.97	2.31
Tonsillitis	80	20.00	26.69	14.12
Tonsils and Adenoids	8	2.00	0.72	2.08
Pharyngitis	2	0.50	1.44	0.98
Other Diseases of the Nose and Throat	91	22.75	26.93	13.88
Enlarged Thyroid	4	1.00	—	0.46
Enlarged Glands (Non-Tuberculous)...	56	14.00	17.55	12.50
Heart Disease	4	1.00	2.40	1.15
Diseases of Lungs and Chest	70	17.50	22.60	14.58
Pre Tuberculosis (Pulmonary)	—	—	0.48	—
Non-Pulmonary Tuberculosis	—	—	—	—
Chorea	37	9.25	12.74	5.55
Nervous Debility	27	6.75	6.25	3.93
Swollen Joints and Swellings	25	6.25	3.12	11.55
Rickets	—	—	—	—
Crippling Defects	14	3.50	3.36	1.85
Debility	209	52.25	49.78	41.66
Infectious Diseases	103	25.75	32.22	25.00
Minor Accidents	194	48.50	38.24	35.41
Other Defects or Diseases	189	47.25	56.51	34.49

It will be noticed that Defective Vision accounts for the largest individual number of defects, but in only 133 cases were tests necessary for errors of refraction. In the other cases Defective Vision was suspected, but it was found that no treatment was necessary, and spectacles were not required.

The particular defects found in the 133 Cases were:—

Hypermetropia	21
Hypermetropic Astigmatism	24
Hypermetropia and Hypermetropic Astigmatism	31
Myopia	39
Myopic Astigmatism	3
Myopia and Myopic Astigmatism	9
Other defects	6

In 127 cases spectacles were obtained under the Authority's scheme.

ORTHOPÆDIC CLINIC.

The following details of the work at the Orthopædic Clinic refer only to Nelson children of school age.

No. of times Clinic has been open during the year	36
Total number of school children on the books at 31st December, 1934	64
Total number of cases admitted during the year	27
Included in these are—New admissions	12
Transferred from Infant Welfare Centre	15
No. of cases discharged during the year	13
„ „ on the books at 31st December, 1935	78
„ children on books who did not attend during 1935 ...	29
„ „ in attendance during 1935	60
„ attendances made by these children	310
Average attendance per session	8.6
„ „ „ child for the year	5.1
No. of school children at Biddulph on 31st December, 1934	3
„ „ „ sent to Biddulph during the year ...	5
„ „ „ discharged from Biddulph during the year	7
„ „ „ at Biddulph, 31st December, 1935 ...	1
(One child was transferred from the Bethesda Home, Manchester, to the Masonic Home, London).	

An analysis of the attendances made per child during the year is:—

Number of children making 1 attendance	15
2 attendances	9
3 "	12
4 "	3
6 "	2
7 "	6
8 "	1
9 "	2
10 "	2
11 "	3
12 "	1
16 "	1
20 "	1
21 "	1
27 "	1

The following table shows, in a general degree, the location of the defects found in the children who have been on the register during the year.

Defect or deformity of the spine	13
Defect or deformity of the arms or hands	5
Defect or deformity of the hip	5
Defect or deformity of the leg or foot	60
General defect or deformity which may be due to rickets, infantile paralysis, etc.	7
<hr/>	
Total	90

EMPLOYMENT OF CHILDREN AND YOUNG PERSONS.

70 boys and 1 girl have been examined during the year following their application for part-time employment certificates. In all the cases the certificates were granted. The nature of the employment to be followed was: 32 in the delivery of milk, 35 the delivery of newspapers, and 4 other miscellaneous employment.

EXCEPTIONAL CHILDREN.

The list of exceptional school children is amended from year to year, and the following summary shows the number of these children on the books at the end of the year under review.

Blind	Nil
Partially Sighted	3
Deaf	Nil
Partially Deaf	1
Mentally Defectives	13
Epileptics, severe	2
Pulmonary Tuberculosis	2
Non-Pulmonary Tuberculosis	20
Delicate Children	128
Cripples, i.e., those with a severe degree of crippling such as to interfere with a normal mode of life	17
Heart Disease, severe	1
Multiple Defects, not included above	2

The allocation of these children in regard to school is:—

Number attending certified Blind School	3
„ „ „ Deaf School	1
„ „ „ Mentally Defective School	11
„ „ Open Air School	117
„ in Sanatorium or Hospital	3
„ attending Public Elementary School	49
„ who do not attend school	5

The following table gives an approximate idea of the number of exceptional children of school age in the area, calculated per 1,000 school children.

Blind or Partially Sighted	0.75
Deaf or Partially Deaf	0.25
Mentally Defective	3.25
Epileptics, severe	0.50
Pulmonary Tuberculosis	0.50
Non-Pulmonary Tuberculosis	5.00
Delicate Children	32.00
Cripples	4.25
Heart Disease	0.25
Multiple Defects	0.50

No notification of a school child has been made to the local mental deficiency authority during the year.

OPEN AIR SCHOOL.

The following tables give detailed particulars regarding the admissions and discharges from the Open Air School, attendances thereat, and the work carried out by the School Nurse.

76 children have been admitted during the year, and there have been 70 children discharged, the number in attendance at the end of the year being 117. The average length of time attended at the school by the children who have been discharged during the year is 19.0 months.

	Boys.	Girls.	Total.
No. of children in attendance 31st December, 1934	56	55	111
„ „ admitted during the year	37	39	76
„ „ discharged during the year	34	36	70
„ „ in attendance 31st December, 1935	59	58	117

	Highest.	Lowest.	Average.
Percentage of attendance 1st Quarter	93.0	81.0	86.5
„ „ 2nd „	94.6	81.9	89.7
„ „ 3rd „	98.7	89.5	93.8
„ „ 4th „	91.7	85.3	88.9

Particulars regarding children admitted during the year.

No. of Children admitted ... 76																	
Defect or disease necessitating admission	BOYS. Ages of Children.							GIRLS. Ages of Children.							Total		
	6	7	8	9	10	11	12	13	6	7	8	9	10	11		12	13
Anæmia	1	3	2	...	...	...	...	...	..	2	4	1	3	...	2	1	19
Debility .....	...	4	2	1	4	...	...	...	1	2	...	2	4	1	3	...	24
Bronchitis .....	...	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Chorea .....	...	...	...	1	1	...	...	...	...	1	1	2	1	1	...	...	8
Nervous Debility .....	...	...	2	...	...	...	...	...	...	...	...	...	1	...	...	...	3
Enlarged Glands .....	...	1	...	...	1	...	...	...	...	1	1	...	...	...	...	...	3
Rheumatism .....	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2
Bronchiectasis .....	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tonsils and Adenoids .....	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Malnutrition .....	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2
Adenitis .....	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2
Bronchial Asthma	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	3
Enlarged Tonsils .....	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	2
Total	2	15	8	4	7	...	...	1	1	8	7	6	9	2	5	1	76

Particulars regarding children discharged during the year.

GIRLS 36

Age of child on discharge.	Length of stay at school in months.	Defect or disease on admittance.	Gain in weight in pounds.	Gain in height in inches.
14	5	Anæmia	2½	½
13	8	Debility	16½	7
9	11	Debility	5	2¼
12	11	Enlarged Glands	13½	3
10	12	Rheumatism	9¼	2¾
10	12	Chorea	7½	1½
11	13	Debility	4	1¼
13	14	Chorea	27	4½
9	14	Anæmia	3½	1½
8	14	Anæmia	8	2½
13	14	Chorea	11½	1¼
13	16	Poor exp. of Lungs	13¾	3¼
8	16	Anæmia	4½	2¾
12	17	Anæmia	8	2
13	17	Debility	13½	3¾
13	17	Chorea	12½	2¾
13	17	Anæmia	10½	4
10	17	Anæmia	11¾	3½
10	17	Anæmia	9½	4
8	17	Anæmia	12½	4
10	17	Adenitis	5½	2½
8	18	Anæmia	7¾	3
7	18	Debility	7½	4¼
12	19	Rheumatism	21	4¾
10	23	Anæmia	11	3¾
9	23	Anæmia	11¾	5
12	24	Nervous Debility	15¾	5¾
10	25	Anæmia	15¾	4½
11	26	Anæmia	16½	4¾
10	26	Anæmia	11	4½
10	29	Anæmia	16¼	5
9	30	Debility	14	5½
11	30	Pleurisy	25½	7¼
12	34	T.B. Spine (arrested)	5	3
8	35	Spinal Caries (arrested)	6¾	5½
12	48	Debility	19¼	6½

Boys 34

Age of child on discharge.	Length of stay at school in months.		Defect or disease on admittance.	Gain in weight in pounds.		Gain in height in inches.			
7	...	4	...	Bronchitis	...	—	...	—	Only attended few weeks— left town
13	...	5	...	Subnormal Nutrition	...	5 $\frac{3}{4}$	...	1 $\frac{3}{4}$
9	...	8	...	Debility	...	4 $\frac{1}{2}$...	3	Discharged for bad attendance
8	...	8	...	Bronchitis	...	3	...	—	
8	...	10	...	Anæmia	...	4	...	2	
11	...	11	...	Debility	...	6	...	3	
12	...	11	...	Anæmia	...	4	...	2	Discharged for bad attendance
7	...	11	...	Debility	...	4 $\frac{1}{4}$	...	2 $\frac{1}{2}$
8	...	11	...	Anæmia & Deafness	...	6 $\frac{1}{4}$	...	2 $\frac{1}{4}$
10	...	13	...	Bronchiectasis	...	3 $\frac{1}{2}$	...	1
9	...	14	...	Anæmia & Chorea	...	4 $\frac{1}{2}$...	2 $\frac{1}{4}$	Discharged for bad attendance
12	...	15	...	Anæmia	...	4	...	3	
11	...	15	...	Debility	...	9 $\frac{1}{4}$	...	2 $\frac{3}{4}$
12	...	17	...	Asthma	...	2 $\frac{1}{2}$	...	2 $\frac{1}{4}$
9	...	17	...	Anæmia	...	4 $\frac{1}{2}$...	2 $\frac{1}{4}$	Discharged for bad attendance
9	...	17	...	Pre-T.B.	...	8	...	3	
8	...	17	...	Anæmia	...	8 $\frac{3}{4}$	...	3
10	...	17	...	Bronchitis	...	11 $\frac{1}{2}$	...	3 $\frac{1}{2}$
8	...	17	...	Anæmia	...	9 $\frac{3}{4}$...	3	Discharged for bad attendance
8	...	18	...	Anæmia	...	8	...	2 $\frac{3}{4}$	
13	...	18	...	Debility	...	7 $\frac{1}{2}$	...	2 $\frac{3}{4}$
10	...	20	...	Anæmia	...	11	...	4	
9	...	21	...	Anæmia	...	7 $\frac{1}{2}$...	3	Discharged for bad attendance
10	...	22	...	Poor Exp. of Lungs	...	10	...	3 $\frac{1}{2}$	
11	...	23	...	Bronchiectasis	...	17	...	5 $\frac{3}{4}$	
11	...	23	...	Anæmia	...	12	...	4 $\frac{1}{2}$	
10	...	23	...	Anæmia	...	10 $\frac{3}{4}$...	4 $\frac{1}{2}$	Discharged for bad attendance
10	...	23	...	Anæmia	...	10 $\frac{1}{4}$	...	3 $\frac{3}{4}$
10	...	23	...	Anæmia	...	10 $\frac{3}{4}$	...	4 $\frac{1}{4}$
9	...	23	...	Bronchiectasis	...	11	...	4 $\frac{3}{4}$	
9	...	24	...	Enlarged Glands	...	9	...	3 $\frac{1}{2}$	Discharged for bad attendance
9	...	30	...	Chorea	...	12 $\frac{3}{4}$	...	5 $\frac{3}{4}$
11	...	39	...	T.B. Glands	...	16 $\frac{1}{2}$	...	5 $\frac{3}{4}$
12	...	58	...	Anæmia	...	21 $\frac{1}{4}$	...	10 $\frac{1}{2}$

Number of medical re-inspections during the year at the
Open Air School 235

Number of children inspected 184

TREATMENTS AT OPEN AIR SCHOOL.

Number of children receiving Clinic treatment	57
Number of defects treated	81
Number of treatments carried out	2268

The treatments are carried out by the School Nurse, who is in attendance at the school either morning or afternoon on each day the school is open. In addition to giving necessary treatments, the Nurse undertakes supervision of the weekly bathing.

Details of the treatments given are:—

Defect or Disease.	Number of Defects.	Number of treatments carried out
Impetigo	2	12
Other skin diseases	8	51
Blepharitis	3	43
Other diseases of the eye	4	20
Enlarged Tonsils	12	376
Inflamed Tonsils	8	221
Other diseases of the nose and throat ...	26	980
Otorrhoea	1	9
Defective hearing	2	155
Wax in ears	1	5
Enlarged Glands	4	110
Other diseases or defects	10	286

CONVALESCENT HOME.

The courtesy of the Managers and the Secretary of the Thursby Convalescent Home, at Lytham-St.-Annes, enables Nelson school children in need of convalescent treatment to be sent to this Home, and year by year many children have reaped the advantage of such facilities. During 1935, 52 girls and 29 boys were sent, and of these 3 boys and 5 girls were sent a second time during the year. Prior to admission each child has to have two medical examinations, the first for suitability, and the subsequent one to ensure freedom from illness of an infective nature.

INFECTIOUS DISEASES.

In the notifiable diseases, 41 cases of Scarlet Fever and 14 cases of Diphtheria in which the patient was of school age have been reported. In both these diseases all other school children residing in the same house as the patient are excluded

from school until the patient has recovered and the premises have been disinfected.

No localised epidemic of Scarlet Fever occurred, the cases occurring fairly uniformly throughout the year, and school distribution showed no outstanding infection.

Up to the last month of the year only sporadic cases of Diphtheria had occurred, but in December 7 cases were reported. At one school I made a special inspection of the children in two classes, to ascertain if there was a possible source of infection. As a result, one child was found to be attending school who was recovering from an attack of Diphtheria, and who was still in an infective condition. This child was excluded from school and disinfection carried out, the other children in the class being kept under observation; but no further case developed up to the closing of the schools for the Christmas holidays.

Two deaths of school children from Diphtheria occurred during the year.

Without assuming epidemic proportions, Whooping Cough and Chickenpox were prevalent about the middle of the year, and the attendance at one or two schools was considerably reduced. Amongst the cases of Chickenpox were some of a very severe nature. Sporadic cases of German Measles occurred during the year. Towards the end of the year Measles became very prevalent, and the attendance at several schools was affected, but no school closure was adopted. The number of cases increased considerably, and the disease was still prevalent in epidemic form at the end of the year. Influenza of the more severe type was not prevalent during the year, but there were periods in which common colds accompanied by severe pharyngitis were noticeably present.

There have occurred 8 deaths of children of school age during the year, this representing a mortality rate of 2.0 per 1,000 school children. This is less than the mortality rate for the previous year, but slightly higher than the average rate for the previous 5 years.

Details of the deaths during 1935 are:—

Age.	Cause of Death.
5	Appendicitis
5	Tubercular Meningitis
5	Diphtheria

5	.....	Abscess, Otitis Media
6	.....	Diphtheria
8	.....	Septicaemia, Tonsillitis
9	.....	Accidental
11	.....	Diphtheria

		Number of deaths.	Mortality Rate per 1,000 school children
1934	.....	13	3.12
1933	.....	6	1.38
1932	.....	8	1.88
1931	.....	6	1.45
1930	.....	7	1.70

PROVISION OF MILK TO SCHOOL CHILDREN.

All the schools in the Borough are now taking the daily milk supply, the outstanding school commencing the supply on the 26th August. The average number of children on the school rolls is 3,880, and of these the average number of children participating in the milk scheme is 3,200, or approximately 82%.

During the year 507,485 bottles of milk have been supplied, this being an increase of 107,716 bottles on the number supplied in 1934.

No change in the scheme for the provision of milk has taken place during the year. The milk is designated Grade A, Tuberculin Tested, is bottled in Nelson, the bottles being filled and distributed to the schools daily, the quantity per bottle being $\frac{1}{2}$ pint. Each scholar is supplied with a straw which can be inserted through the cap on the bottle and through which the milk can be consumed. Empty bottles are collected daily and thoroughly sterilized before being again used.

A charge of $\frac{1}{2}$ d. per bottle is made, but in necessitous cases the milk is supplied to the scholars without charge. Actually during the year 12.5% of the milk has been supplied free.

No comment on the advantages of the scheme is necessary, the recommendation by the Board of Education for its general adoption, and the completeness of its application so far as Nelson is concerned, is a sufficient testimonial to indicate the success of the undertaking. Milk time at the schools is now a recognised part of the school curriculum, and the application of the scheme should now be permanent. I am indebted to the staff of the Education Department for the following table giving figures relative to the milk supplied during the year.

School	Average No. of children on rolls	Date of commencement of scheme for year	No. in receipt of milk at commencement	Weekly average No. of children taking milk	Total No. of bottles of milk supplied
Bradley Senior	208	1st January	157	151	25622
Bradley Infants	211	do.	149	177	28601
Bradshaw Street Junior "A"	238	do.	203	206	34702
Bradshaw Street Junior "B"	288	do.	249	260	41674
Bradshaw Street Infants	257	do.	224	218	34643
Lomeshaye Junior	164	do.	134	146	24315
Walverden Senior	322	do.	236	254	35672
Walverden Infants	209	do.	197	184	28835
Whitefield Senior	202	do.	155	159	24894
Whitefield Infants	207	do.	209	195	34220
Great Marsden Junior	253	do.	204	222	35248
Great Marsden Infants	127	do.	98	111	16323
Leeds Road Junior	195	do.	147	148	27716
Leeds Road Infants	63	do.	56	58	10765
Little Marsden	147	do.	101	108	16222
Holy Saviour Mixed	146	do.	120	115	17433
Holy Saviour Infants	66	do.	47	49	8422
St. George's	121	do.	108	104	18124
Edge End Senior	352	do.	233	261	39048
St. Joseph's Mixed	84	26th August	71	74	5006
Grand Total	3880	—	3098	3200	507485

Percentage of bottles of milk supplied free ... 12.5.

PROVISION OF MEALS.

The provision of free meals in necessitous cases has been continuous throughout the year. Both dinners and teas are provided, but the latter are confined to the more necessitous cases. The meals are provided on the premises of the caterers which are central and easy of access. Supervision is maintained over the arrangements throughout the year.

144 children were in receipt of free meals at the commencement of the year, and there were 114 children receiving meals at the close of the year. During the year, 228 children have received meals, a total of 35,988 dinners and 5,117 teas being provided.

A comparison with previous years is shown in the following table.

Year.	No. receiving meals at		Total No.		Number		Number	
	Commencement	End of	of children	receiving	of	dinners.	of	teas.
	of year.	year.	meals.	meals.				
1935	144	114	228	...	35988	...	5117	...
1934	197	144	303	...	40770	...	11229	...
1933	194	197	291	...	47648	...	18050	...
1932	140	194	426	...	52785	...	20396	...
1931	74	140	238	...	30044	...	5023	...
1930	45	74	149	...	20903	...	2285	...

SWIMMING BATHS.

During the year there were 18,289 attendances of elementary school children at the Public Baths in Bradley Road. This figure shows an increase of 765 on the figure for 1934.

Attendance at the Baths for instruction in swimming is not compulsory, though it forms part of the school curriculum for the older scholars during the summer months, and every encouragement is given for the scholars to attend.

CONCLUSION.

To carry out the work of the School Medical Services I have to rely on the co-operation of the Head teachers and their assistants at the various schools, and throughout the year this co-operation has been willingly forthcoming. Mutual assistance is also necessary from the Director of Education and the members of his staff, including the School Attendance Officers, and every assistance has been given by them during the year.

The members of the School Medical Service staff have carried out their duties assiduously and efficiently throughout the year, and this has contributed to a successful year's work.

The increase of employment during the year is indicated by the reduction in the numbers of free meals supplied during the year, and I think on the whole the stamina and general condition of the children is somewhat improved. Personal cleanliness in some instances still leaves room for an improvement, but this will not be accomplished until the parents recognise not only the responsibilities they have toward their own children, but also their responsibilities to parents who make every endeavour to keep their children in a cleanly state. The Medical Inspections have shown no outstanding features, and the results will bear favourable comparison not only with the figures for previous years, but also with the results of Medical Inspection of school children of other towns, in which the social and general conditions prevailing can be compared to Nelson.

I am, Ladies and Gentlemen,

Your obedient Servant,

R. G. MARKHAM, M.B., D.P.H.,

School Medical Officer.

BOROUGH OF NELSON.

Medical Inspection Returns.

TABLE I.

MEDICAL INSPECTIONS OF CHILDREN ATTENDING
PUBLIC ELEMENTARY SCHOOLS.

A.—ROUTINE MEDICAL INSPECTIONS.

Number of Inspections in the prescribed Groups :

Entrants	446
Second Age Group	496
Third Age Group	477

Total 1419

Number of other Routine Inspections Nil

Grand Total 1419

B.—OTHER INSPECTIONS.

Number of Special Inspections 1173

Number of Re-Inspections 1714

Total 2887

C.—CHILDREN FOUND TO REQUIRE TREATMENT.

Number of Individual Children found at Routine Medical
Inspection to require Treatment (excluding Uncleanliness
and Dental Diseases).

Prescribed Groups :

Entrants	139
Second Age Group	171
Third Age Group	95

Total (Prescribed Groups) 405

Other Routine Inspections Nil

Grand Total 405

TABLE II.

A.—Return of Defects found by Medical Inspection in the
Year ended 31st December, 1935.

DEFECT OR DISEASE.		Routine Inspections		Special Inspections	
		No. of Defects		No. of Defects	
		Requiring Treatment	Requiring to be kept under observation but not requiring Treatment	Requiring Treatment	Requiring to be kept under observation but not requiring Treatment
Skin	(1) Ringworm—Scalp .....	...	...	2	...
	(2) „ Body .....	...	...	6	...
	(3) Scabies	1	...	15	...
	(4) Impetigo	2	...	26	...
	(5) Other Diseases (Non-Tuberculous)	10	...	98	2
Total (Heads 1 to 5)		13	...	147	2
Eye	(6) Blepharitis	2	...	1	...
	(7) Conjunctivitis	3	1	9	...
	(8) Keratitis .....	...	...	...	...
	(9) Corneal Opacities	2	1	1	...
	(10) Other Conditions (excluding Defective Vision and Squint)	4	2	8	...
	Total (Heads 6 to 10)	11	4	19	...
	(11) Defective Vision (excluding Squint)	123	...	1	...
	(12) Squint	1	1	...	3
Ear	(13) Defective Hearing	3	2	6	1
	(14) Otitis Media	6	...	9	...
	(15) Other Ear Diseases	6	...	3	...
Nose and Throat	(16) Chronic Tonsillitis only	51	1	14	...
	(17) Adenoids only	3	1	8	1
	(18) Chronic Tonsillitis and Adenoids	9	...	1	...
	(19) Other Conditions	71	9	98	14
(20) Enlarged Cervical Glands (Non-Tuberculous)		28	7	43	3
(21) Defective Speech .....		...	7	...	1
Heart and Circulation	Heart Disease :				
	(22) Organic .....	...	3	...	1
	(23) Functional ... ..	...	5	...	4
	(24) Anæmia	13	7	60	7
Lungs	(25) Bronchitis	14	9	14	2
	(26) Other Non-Tuberculous Diseases	8	10	41	10

TABLE II.—*Continued.*

A.—Return of Defects found by Medical Inspection in the Year ended 31st December, 1935.

DEFECT OR DISEASE	Routine Inspections		Special Inspections	
	No. of Defects		No. of Defects	
	Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment	Requiring Treatment	Requiring to be kept under observation but <i>not</i> requiring Treatment
Tuberculosis { Pulmonary :				
(27) Definite .....	...	...	...	...
(28) Suspected .....	...	...	...	...
Tuberculosis { Non-Pulmonary :				
(29) Glands .....	...	1	...	...
(30) Bones and Joints .....	...	1	...	...
(31) Skin .....	...	...	...	...
(32) Other Forms .....	...	...	...	1
Total (Heads 29 to 32)	...	2	...	1
Nervous System { (33) Epilepsy .....	...	...	...	2
(34) Chorea	2	3	21	4
(35) Other Conditions	8	11	25	6
Deformities { (36) Rickets	3	...	...	...
(37) Spinal Curvature	11	1	2	...
(38) Other Forms	10	18	10	3
(39) Other Defects and Diseases (excluding Uncleanliness and Dental Diseases)	24	19	178	35
Total	418	120	700	100

B.—Classification of the Nutrition of Children Inspected during the Year in the Routine Age Groups.

AGE GROUPS	Number of Children Inspected	A (Excellent)		B (Normal)		C (Slightly subnormal)		D (Bad)	
		No.	%	No.	%	No.	%	No.	%
Entrants	446	...	...	438	98·21	8	1·79	...	...
Second Age Group	496	6	1·21	477	96·17	13	2·62	...	...
Third Age Group	477	6	1·26	455	95·39	16	3·35	...	...
Other Routine Inspect's .....	...	...	...	...	...	...	...	...	...
Total	1419	12	0·85	1370	96·55	37	2·60	...	...

TABLE III.

Return of all Exceptional Children in the Area.

BLIND CHILDREN.

At Certified Schools for the Blind	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	—	Nil.

PARTIALLY SIGHTED CHILDREN.

At Certified Schools for the Blind	At Certified Schools for the Partially Sighted	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
3	—	—	—	—	3

DEAF CHILDREN.

At Certified Schools for the Deaf	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	—	Nil.

PARTIALLY DEAF CHILDREN.

At Certified Schools for the Deaf	At Certified Schools for the Partially Deaf	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
1	—	—	—	—	1

MENTALLY DEFECTIVE CHILDREN.

Feeble-Minded Children.

At Certified Schools for Mentally Defective Children	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
11	2	—	—	13

EPILEPTIC CHILDREN.

Children suffering from Severe Epilepsy.

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	2	2

PHYSICALLY DEFECTIVE CHILDREN.

A.—Tuberculous Children.

I.—Children suffering from Pulmonary Tuberculosis.

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	2	—	—	2

II.—Children suffering from Non-Pulmonary Tuberculosis.

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
2	16	2	—	20

B.—Delicate Children.

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
114	14	—	—	128

C.—Crippled Children.

At Certified Special Schools Open Air School	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
1	14	1	1	17

D.—Children with Heart Disease.

At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
—	—	—	1	1

CHILDREN SUFFERING FROM MULTIPLE DEFECTS.

Combination of Defect.	At Certified Special Schools	At Public Elementary Schools	At other Institutions	At no School or Institution	Total
Mentally Defective and Epileptic	—	1	—	—	1
Mentally Defective and Cripple	—	—	—	1	1

TABLE IV.

Year ended 31st December, 1935.

TREATMENT TABLES.

GROUP I.—Minor Ailments (excluding Uncleanliness, for which see Table VI.)

DISEASE OR DEFECT.	Number of Defects treated, or under treatment during the year		
	Under the Authority's Scheme	Otherwise	Total
Skin—			
Ringworm-Scalp—			
(i) X-Ray Treatment. If none, indicate by dash ... ..	...	...	...
(ii) Other Treatment	4	...	4
Ringworm-Body	17	...	17
Scabies	23	...	23
Impetigo	97	...	97
Other skin disease	153	12	165
Minor Eye Defects—(External and other, but excluding cases falling in Group II.)	69	2	71
Minor Ear Defects	68	4	72
Miscellaneous (e.g., minor injuries, bruises, sores, chilblains, etc.) ...	433	106	539
Total	864	124	988

GROUP II.—Defective Vision and Squint (excluding Minor Eye Defects treated as Minor Ailments—Group I.)

	No. of Defects dealt with		
	Under the Authority's Scheme	Other-wise	Total
Errors of Refraction (including Squint) (Operations for squint should be recorded separately in the body of the School Medical Officer's Report)	149	14	163
Other defect or disease of the eyes (excluding those recorded in Group I.) ... ..	...	1	1
Total	149	15	164
No. of Children for whom spectacles were			
(a) Prescribed	133	10	143
(b) Obtained	131	6	137

TABLE IV.—*Continued.*

GROUP III.—Treatment of Defects of Nose and Throat.

NUMBER OF DEFECTS.													
Received Operative Treatment.												Received other forms of Treatment	Total number Treated
Under the Authority's Scheme in Clinic or Hospital				By Private Practitioner or Hospital apart from the Authority's Scheme				Total					
(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)	(i)	(ii)	(iii)	(iv)		
...	12	...	5	1	12	...	5	1	188	206

(i) Tonsils only. (ii) Adenoids only. (iii) Tonsils and adenoids.
(iv) Other defects of the nose and throat.

GROUP IV.—Orthopædic and Postural Defects.

	Under the Authority's Scheme			Otherwise			Total number treated
	Residential treatment with education.	Residential treatment without education.	Non-residential treatment at an orthopaedic clinic.	Residential treatment with education.	Residential treatment without education.	Non-residential treatment at an orthopaedic clinic.	
Number of children treated	8	—	60	—	1	—	69

GROUP V.—Dental Inspection and Treatment.

(1) Number of children inspected by the Dentist.		No.
(a) Routine age-groups.	Aged 5	—
	6	384
	7	383
	8	452
	9	481
	10	384
	11	433
	12	431
	13	430
	14	—
Total		3378
(b) Specials		Nil
(c) Total (Routine and Specials)		3378
(2) Number found to require treatment		2447
(3) Number actually treated		1428
(4) Attendances made by children for treatment		1428
(5) Half-days devoted to :—		
Inspection		65
Treatment		110
		175
(6) Fillings : Permanent Teeth		241
Temporary Teeth		3
		244
(7) Extractions : Permanent Teeth		295
Temporary Teeth		2249
		2544
(8) Administrations of general anaesthetics for extractions		Nil
(9) Other operations : Permanent Teeth		408
Temporary Teeth		549
		957

GROUP VI.—Uncleanliness and Verminous Condition.

(i) Average number of visits per school made during the year by the School Nurses	4
(ii) Total number of examinations of children in the Schools by the School Nurses	13957
(iii) Number of individual children found unclean	288
(iv) Number of children cleansed under arrangements made by the Local Education Authority	Nil
(v) Number of cases in which legal proceedings were taken :—	
(a) Under the Education Act, 1921	Nil
(b) Under School Attendance Byelaws	Nil

TABLE V.

Defects found in course of Medical Inspection (Routine and
Specials) followed up by the School Nurses.

DEFECT OR DISEASE.		Total number found and referred for treat- ment or observa- tion	Number found to be cured	Number found to be im- proved	Number found to be un- changed or not seen
MALNUTRITION	Slightly Subnormal	37	9	26	2
	Bad .....	...	...	...	...
SKIN	Ringworm { Head	2	1	1	...
	{ Body	6	5	1	...
	Scabies	16	14	2	...
	Impetigo	28	24	3	1
	Other Diseases (Non- Tuberculous)	110	81	19	10
EYE	Blepharitis	3	3	...	...
	Conjunctivitis	13	9	3	1
	Keratitis .....	...	...	...	..
	Corneal Opacities	4	1	2	1
	Other Conditions	14	8	3	3
	Defective Vision	124	80	9	35
EAR	Squint	5	...	3	2
	Defective Hearing	12	6	5	1
	Otitis Media	15	10	3	2
	Other Ear Diseases	9	7	2	...
NOSE AND THROAT	Chronic Tonsillitis only	66	16	39	11
	Adenoids only	13	5	4	4
	Chronic Tonsillitis and Adenoids	10	3	4	3
	Other Conditions	192	105	62	25
Enlarged Cervical Glands (non-Tubercular)		81	25	30	26
Defective Speech		8	2	3	3

TABLE V.—*Continued.*

Defects found in course of Medical Inspection (Routine and Specials) followed up by the School Nurses.

DEFECT OR DISEASE.		Total number found and referred for treatment or observation	Number found to be cured	Number found to be improved	Number found to be unchanged or not seen
HEART AND CIRCULATION	Heart { Organic	4	...	2	2
	Disease { Functional	9	3	4	2
	Anæmia	87	11	52	24
LUNGS	Bronchitis	39	4	21	14
	Other Non-Tubercular Diseases	69	29	30	10
TUBERCULOSIS	Pulmonary {	Definite ....	...	...	...
		Suspected .....	...	...	...
		Glands	1	1	...
	Non-Pulmonary {	Bones .....	...	1	...
		and Joints .....	...	...	...
		Skin .....	...	1	...
NERVOUS SYSTEM ...	Epilepsy	2	...	...	2
	Chorea	30	7	13	10
	Other Conditions	50	9	26	15
DEFORMITIES	Rickets	3	...	1	2
	Spinal Curvature	14	1	10	3
	Other Forms	41	8	26	7
Other Defects and Diseases		256	179	58	19
TOTALS.....		1375	665	470	240

TABLE VI.

Defects found in course of Medical Inspection, 1934, and re-examined by School Medical Officer in 1935.

DEFECT OR DISEASE.		Number found in 1934		Result of Inspection in 1935		
		Referred for Treatment	Referred for Observation	Number cured	Number improved	Number unchanged absent or left School
MALNUTRITION .....	.....	6	5	3	5	3
UNCLEANLINESS	Head Body .....	...	...	...	...	...
SKIN	Ringworm { Head	5	...	5	...	...
	{ Body ..	1	...	1	...	...
	Scabies	12	...	12	...	...
	Impetigo	20	...	20	...	...
	Other Diseases (Non-Tuberculous)	94	1	82	9	4
EYE	Blepharitis	3	...	2	1	...
	Conjunctivitis	19	...	18	1	...
	Keratitis .....	...	...	...	...	...
	Corneal Ulcer .....	...	...	...	...	...
	Corneal Opacities .....	...	...	...	...	...
	Defective Vision	103	4	92	14	1
	Squint	5	5	2	3	5
	Other Conditions	11	3	9	3	2
EAR	Defective Hearing	18	4	17	3	2
	Otitis Media	21	1	18	3	1
	Other Ear Diseases	16	1	13	2	2
NOSE AND THROAT	Chronic Tonsillitis only	33	...	21	8	4
	Adenoids only	19	3	14	5	3
	Chronic Tonsillitis and Adenoids	10	...	8	1	1
	Other Conditions	215	17	179	32	21
	Enlarged Cervical Glands (non-Tubercular)	86	11	57	22	18
Defective Speech		2	4	1	4	1

TABLE VI.—Continued.

Defects found in course of Medical Inspection, 1934, and
re-examined by School Medical Officer in 1935.

DEFECT OR DISEASE.		Number found in 1934		Result of Inspection in 1935		
		Referred for Treat- ment	Referred for Observa- tion	Number cured	Number im- proved	Number un- changed absent or left School
HEART AND CIRCULATION	Heart { Organic .....	...	4	...	2	2
	Disease { Functional .....	...	16	5	8	3
	Anæmia	77	9	32	42	12
LUNGS	Bronchitis	41	14	24	25	6
	Other Non-Tubercular Diseases	41	17	29	14	15
TUBERCULOSIS	Pulmonary {	Definite .....	...	...	...	...
		Suspected .....	...	...	...	...
		Glands .....	...	...	...	...
		Spine .....	...	...	...	...
	Non- Pulmonary {	Hip .....	...	...	...	...
		Other Bones and Joints .....	...	...	...	...
		Skin	1	...	1	...
		Other forms	1	...	1	...
NERVOUS SYSTEM ...	Epilepsy .....	...	2	...	1	1
	Chorea	38	2	21	16	3
	Other Conditions	38	20	32	18	8
DEFORMITIES	Rickets .....	...	1	...	1	...
	Spinal Curvature	6	5	2	9	...
	Other Forms	23	23	6	24	16
Other Defects and Diseases		203	41	191	37	16
TOTALS.....		1166	215	916	317	148

TABLE VII.

Monthly Summary of Work at School Clinic.

MONTH.	No. of defects under treatment at beginning of month	No. of defects admitted during month	No. of defects discharged during month	No. of defects under treatment at end of month	No. of visits by children to Clinic	No. of homes visited by Nurse	No. of visits to homes	No. of pairs of Spectacles supplied or ordered	No. of Examinations by Nurse at School
January	135	143	48	230	732	25	37	6	1972
February	230	193	122	301	1207	18	30	20	1266
March	301	218	246	273	1490	84	88	25	206
April	273	163	104	332	984	120	142	3	338
May	332	219	155	396	1258	51	70	30	2092
June	396	129	309	216	1068	259	275	11	1059
July	216	48	35	229	182	12	14	—	159
August	229	133	138	224	830	44	57	2	3417
September	224	133	169	188	858	67	82	11	262
October	188	154	117	225	735	72	75	26	1579
November	225	146	101	270	643	21	23	13	1518
December	270	87	163	194	668	213	222	—	89
TOTALS	3019	1766	1707	3078	10655	986	1115	147	13957

Average Attendance per day ... 38.6.

TABLE VIII.

Anthropometric Table showing Average Height and Weight of children examined at various ages.

BOYS			GIRLS	
AGE	HEIGHT in inches	WEIGHT in pounds	HEIGHT in inches	WEIGHT in pounds
3 Years...	38.41	34.50	37.83	33.84
4 "	41.35	40.25	40.88	38.00
5 "	42.96	42.82	42.91	41.74
6 "	45.40	46.90	45.21	45.57
7 "	47.53	52.09	47.40	50.54
8 "	49.25	57.02	48.94	54.94
9 "	51.19	63.00	51.33	61.55
10 "	53.20	68.37	52.46	66.77
11 "	53.44	70.05	55.31	74.91
12 "	56.01	76.47	57.67	84.70
13 "	58.15	85.22	59.32	92.57
14 "	59.76	90.77	61.27	96.37

TABLE IX.

Condition of Children examined by Nurses at School.

Number of surprise visits paid to Schools : 85.

Results of Examinations :

		No. of Examinations	Number Examined	Clean	Few Nits	Many Nits	Pedi- culi
BOYS	Infant Departments	2167	610	589	...	14	7
	Junior "	2108	649	643	...	...	6
	Senior "	1916	628	625	..	1	2
	Mixed "	600	162	159	1	...	2
GIRLS	Infant Departments	2212	560	470	7	71	12
	Junior "	2344	588	501	12	58	17
	Senior "	2059	574	523	6	37	8
	Mixed "	551	151	124	...	23	4
	Totals	13957	3922	3634	26	204	58

TABLE X.

Monthly incidence of cases of Scarlet Fever and Diphtheria
from the various Schools during 1935.

School	Scarlet Fever													Diphtheria												
	January	February	March	April	May	June	July	August	September	October	November	December	Total	January	February	March	April	May	June	July	August	September	October	November	December	Total
Bradley Senior Boys	1								1				2												1	1
Edge End Senior Boys ..								1					1									1				1
Walverden Senior Girls	1		1										2												1	1
Whitefield Senior Girls																									1	1
Bradshaw St. Jr. Mix. A			1							1			2													
Bradshaw St. Jr. Mix. B				1									1													
Great Marsden Jr. Mix.					1								1													
Leeds Rd. Jr. Mixed ...		1									1		2											3	3	
Little Marsden Jr. Mix.				1									1													
Lomeshaye Jr. Mixed ...																										
Holy Sav. R.C. Mixed	1	1											2													
St. George's R.C. Mix.	1												1													
St. Joseph's R.C. Mix.			1										1													
Open Air					1								1													
Bradley Infants																								1	1	
Bradshaw St. Infants ...	1									1		2	4													
Great Marsden Infants														1							1					2
Holy Sav. Infants																										
Leeds Road Infants		1											1													
Little Marsden Infants ..		1		1	1						1		4													
St. George's Infants																										
St. Joseph's Infants																										
Walverden Infants	1		1		1	1							4		2			1	1							4
Whitefield Infants		1	1										2													
Secondary School				1					1	2	1	2	7													
School out of Borough ..				1	1								2													
Private School																										
Totals	6	5	5	5	5	1		1	2	4	3	4	41	1	2			1	1		1	1			7	14

TABLE XI.

Return of Medical Inspections for purposes of Employment
of Children and Young Persons, 1935.

	Number Examined	Number of Certificates Granted	Nature of Employment		
			Delivery of Milk	Delivery of News- papers	Other Employ- ment
Boys	70	70	31	35	4
Girls	1	1	1	...	...
Total...	71	71	32	35	4



Borough of Nelson.

TWENTY-SECOND

Annual Report

of the

School Dental Clinic

For the Year 1935.

THOMAS JACKSON, L.D.S.,

Dental Surgeon.

SCHOOL CLINIC,

11 CARR ROAD, NELSON.

DECEMBER, 1935.

To the Chairman and Members of the Nelson Education Authority.

I once again have the honour, pleasure and duty to present my Annual Report as School Dentist to your Authority.

Continuing to work as in previous years, each child from six years of age until leaving school has each year the opportunity of being dentally inspected and treated, the parents of all children being informed of such inspection and treatment. There is no improvement in the attendance of parents on such occasions, which is to be deplored, as I still feel sure great good could be done by a few words of advice concerning the dental condition of their children. I feel very concerned for the future dental condition of those children who from six years of age and upwards persistently refuse the advantages your Clinic offers them, or have made the excuse that they are "going to their own dentist," and never go, the result being appalling in many cases, from every standpoint.

Still, on the other hand, those who have attended year by year or when sent for, possess a dental condition which is pleasing and satisfactory. These two facts are shown by the number of children of the ages 11, 12 and 13 years who are actually sent for, and the good percentage of "nils" of such ages.

The difference in the number of Inspections and Treatments as compared with 1934 is accounted for by the fact that I have had to spend more half-days in tracing the transfers from school to school, and that there are 206 fewer inspected, therefore fewer treated of the 206 fewer inspections. There are 36 still on the rolls of attendance, so that there are 170 who have left the schools and unaccounted for.

Although the number of children inspected is down by 206, the percentage of "nils" continues to grow a little year by year, and the percentage of children attending the Clinic is a little higher.



In the early part of the year the Dental Board of the United Kingdom sent one of their Lady Lecturers to address the senior scholars on the why and wherefore they should keep their teeth clean, and the wisdom of having their teeth seen to at periodical times. Such lectures or addresses must do good. Pamphlets on the care of teeth have also been distributed during the year.

I do wish that in every school within your Authority there could be carried out what is done in the Open Air School, where every child is taught the use of a tooth brush and supervised each morning, for habits formed in early life are sure to be carried out in after years. For little cost per child, tooth brushes could be supplied, and great good could be done in that way. As it is, in the great majority of cases the use of a tooth brush is neither known nor understood,—certainly not valued.

I have spent 65 half-days in visiting the schools for the purpose of inspections, and 110 half-days in treatment, also 3 half-days at the commencement of the year in clerical work, and 7 half-days at the end of the year, in addition to which I spend 3 hours each week in clerical work after the inspections.

I receive every assistance from the Head Masters, Head Mistresses, and Teachers at the inspections, and also the help of the School Clinic Nurse during the hours of treatment, all of which is valuable assistance and appreciated.

I am,

Your obedient Servant,

THOS. JACKSON, L.D.S.,

School Dentist.

TABLE I.
Shewing Results of Inspections.

Age in Years and Sex	Number Inspected	Temporary			Permanent			Nils.	Urgents
		Sound	Savable	Un-savable	Sound	Savable	Un-savable		
6—Girls ...	189	2404	220	279	923	8	...	62	5
Boys ...	195	2619	207	296	778	1	...	70	4
7—Girls ...	198	1799	185	355	1710	68	2	49	29
Boys ...	185	1835	164	374	1396	45	1	38	17
8—Girls ...	223	1376	69	468	2536	93	13	47	38
Boys ...	229	1611	68	432	2364	78	10	61	40
9—Girls ...	233	790	21	430	3375	171	25	58	69
Boys ...	248	1206	25	498	3017	128	21	71	45
10—Girls ...	201	313	3	366	3357	162	59	43	53
Boys ...	183	462	9	325	2844	134	16	50	50
11—Girls ...	230	109	...	248	5740	129	119	65	60
Boys ...	203	150	5	251	4331	162	84	47	57
12—Girls ...	199	13	...	53	4349	175	139	69	51
Boys ...	232	69	...	149	5284	163	164	75	73
13—Girls ...	208	2	...	16	4780	166	215	62	60
Boys ...	222	28	...	59	5151	206	179	64	93
Total ...	3378	14786	976	4599	51935	1889	1047	931	744

TABLE II.
Shewing Percentages of Inspections.

Year	Sex	Number of Children Inspected	Sound Dentition	Require Urgent Treatment	Require Treatment
6	Girls	189	32.80	2.64	64.56
	Boys	195	40.23	2.30	57.47
7	Girls	198	24.74	14.85	60.41
	Boys	185	20.54	9.18	70.28
8	Girls	223	21.07	17.04	61.89
	Boys	229	26.63	17.46	55.91
9	Girls	233	26.09	30.94	42.97
	Boys	248	28.63	18.14	53.23
10	Girls	201	21.39	26.36	52.25
	Boys	183	27.32	27.32	45.36
11	Girls	230	28.26	26.08	45.66
	Boys	203	23.15	28.07	48.78
12	Girls	199	34.67	25.62	39.71
	Boys	232	32.32	31.46	36.22
13	Girls	208	30.00	28.84	41.16
	Boys	222	28.82	42.00	24.15
Divide by 16		3378	446.66	348.30	800.04
Compared with 1934		211.12	28.00	21.76	50.00
	Increase or	...	1.37	...	...
	Decrease	12.88	...	00.06	1.52

TABLE III.

Shewing Percentages of Attendances at Clinic.

Years	Sex	Number Inspected	Treated at Clinic	Percentage
6	Girls	189	123	65.08
	Boys	195	137	70.25
7	Girls	198	126	63.66
	Boys	185	114	61.61
8	Girls	223	99	44.39
	Boys	229	94	41.04
9	Girls	233	88	38.00
	Boys	248	110	44.35
10	Girls	201	73	36.31
	Boys	183	82	44.80
11	Girls	230	84	36.52
	Boys	203	87	42.85
12	Girls	199	55	27.63
	Boys	232	67	28.87
13	Girls	208	41	19.71
	Boys	222	48	21.62
Divide by 16		3278	1428	686.69
Average		211.12	90.00	42.91
Compared with 1934				
Increase .....		...	...	...
Decrease		12.88	4.43	00.84

TABLE IV.

Shewing Total Treatments.

Years	Extractions		Fillings		Dressings		Extract'ns under local An'esth'tic
	Tem'ry	Perm'nt	Tem'ry	Perm'n't	Tem'ry	Perm'n't	
6	421	...	3	2	294	1	19
7	454	7	...	17	159	38	35
8	419	9	...	32	59	49	28
9	415	23	...	36	28	71	48
10	279	33	...	43	9	62	47
11	183	68	...	44	...	106	74
12	63	82	...	38	...	61	81
13	15	73	...	29	...	20	68
Total	2249	295	3	241	549	408	400

TABLE V.

Shewing Total Attending Clinic.

Age	Girls	Boys	Total
6 years...	123	137	260
7 " ...	126	114	240
8 " ...	99	94	193
9 " ...	88	110	198
10 " ...	73	82	155
11 " ...	84	87	171
12 " ...	55	67	122
13 " ...	41	48	89
Total ...	689	739	1428

TABLE VI.

Shewing Total Average on Number Inspected.

	1935.	1934.	Increase.	Decrease.
Total Average Attendance at Clinic	42.27	43.75	—	1.48
Sound Dentition	27.56	26.90	0.66	—
Taken to Own Dentist	25.93	27.12	—	1.19
Refused Treatment, Indifferent, Ill, Left after Inspection, or untraced through removal to other schools	4.24	2.23	2.01	—
	100.00	100.00		

TABLE VII.

Shewing Comparisons in Number of Children Inspected.

	1935.	1934.
Number of Children Inspected	3378	3584
Number of Nils	931	967
	2447	2617
Number of Children attending Clinic	1428	1511
Percentage of Children attending Clinic who were actually sent for	58.35	57.51
Increase percentage of Children attending Clinic	00.84	

TABLE VIII.
Shewing Comparisons of Children Inspected.

	1935.	1934.	Increase.	Decrease.
6 Years	384	364	20	—
7 Years	383	435	—	52
8 Years	452	489	—	37
9 Years	481	366	115	—
10 Years	384	479	—	95
11 Years	433	488	—	55
12 Years	431	428	3	—
13 Years	430	535	—	105
	<hr/> 3378	<hr/> 3584	<hr/> 138	<hr/> 344

Nett Decrease Inspected, 206.



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