

Contributors

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ANNUAL REPORT

ON THE

Health of Thornton Cleveleys

For 1937



A. H. PENISTAN,

M.B., B.S. (London), M.R.C.S. (Eng.), L.R.C.P. (Lond.),

F.Soc.M.O.H.

MEDICAL OFFICER OF HEALTH.



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I. Introduction

The purpose of this study is to

investigate the effects of the

various factors on the

results of the experiment.

The results of the experiment

will be discussed in the

conclusion of the study.

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Thornton Cleveleys
Urban District Council.

MEDICAL OFFICER'S REPORT.

Thornton Cleveleys,
June, 1938.

**To the Chairman and Members of the Thornton Cleveleys
Urban District Council.**

Gentlemen,

I beg to submit my Report on the health of your District for the year 1937.

The population of the District for 1937 is estimated officially as 12,490, an increase of 290 for the year.

The Birth Rate has fallen from 13.1 in 1936 to 11.6 in 1937, the total births (145) being 16 less than in the previous year. The Death Rate of 13.3 is also slightly less than that of 1936 which was 13.4. It is pleasing to be able to record a decrease in deaths from cancer: 28 were registered in 1937 against 32 in 1936.

The advanced age reached by many residents in the District is again shown by examination of the ages at death. Of the total 175 deaths registered, over half (91) were over 65 years of age. Twenty-nine were over 75 years of age, and

of these 22 were between 80 and 90, and 2 were over 90 years old.

There has been a rise in the Infantile Mortality Rate to 82 per 1,000 births, an unwelcome increase on the previous year's rate of 68. Of the 12 infantile deaths in the year 4 were due to prematurity or congenital weakness, and none of these survived more than two days. There were also 5 deaths from broncho pneumonia, all aged 5 months or under.

An attempt to increase public knowledge in matters of health and nutrition was made by holding a Health Week during which four lectures were delivered by a County Council Lecturer and a special Health Film shown at a local cinema. In addition lectures have been given by members of the Staff at meetings of various organisations in the District.

In conclusion, I wish to express my thanks to all Officials and members of the Office Staffs for the ever ready and willing co-operation on all occasions.

I am,

Gentlemen,

Your obedient Servant,

A. H. PENISTAN.

Thornton Cleveleys

Urban District Council.

Chairman:

Councillor R. O. NICKSON, J.P.

Health Committee:

1937-38.

ALL MEMBERS OF THE COUNCIL.

Chairman.....Councillor J. H. CATTERALL, B.A.

Vice-Chairman Councillor J. KEIRBY

Meetings: Third Thursday in the month, at the
Council Office, Fleetwood Road.

Representative on the Fylde, Preston, and Garstang Joint
Hospital Committee (Smallpox):

Councillor A. SWARBRICK.

Representatives on the Fylde Joint Hospital Committee
(Infectious Diseases):

Councillor C. ROWLEY.

Councillor A. SWARBRICK.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

Medical Officer of Health:

A. H. PENISTAN, M.B., B.S. (Lond.), &c.

District Medical Officer.....A. H. PENISTAN

Public Vaccinator.....A. H. PENISTAN

Sanitary Inspector.....HENRY FENTON, M.R.San.I.

VITAL STATISTICS.

		Total	M.	F.
Live Births	Legitimate	139	68	71
	Illegitimate	6	2	4
Total.....		145	70	75

Birth-rate per 1,000 of the estimated resident population: 11.6
Stillbirths 8 4 4

Rate per 1,000 total (live and still) births: 52.

Deaths 175 90 85

Death-rate per 1,000 of the estimated resident population:
*14.0.

Deaths from puerperal causes:

Puerperal sepsis	Nil.
Other puerperal causes	Nil.
Total	Nil.

Death-rate per 1,000 total (live and still) births: Nil.

Death-rate of Infants under one year of age:

All infants per 1,000 live births	82
Legitimate infants per 1,000 legitimate live births	86
Illegitimate infants per 1,000 illegitimate live births.....	Nil.
Deaths from Cancer (all ages)	28
Deaths from Measles (all ages)	Nil.
Deaths from Whooping Cough (all ages)	2
Deaths from Diarrhœa (under 2 years of age).....	Nil.

Population: 12,490.

Per 1,000 of Estimated Population. **Maternal Mortality Rate.**

Mean of 5 Years	Live Birth Rate	Crude Death Rate	Death Rate from Tuberculosis of Respiratory System	Death Rate from Cancer	Per 1000 Live Births	Per 1000 Total (Live and Still) Births	Rate of Deaths under 1 year per 1000 Live Births
1932-1936	11.6	13.1	0.66	1.88	1.47	1.36	50
1936	13.1	14.2	0.49	2.62	Nil.	Nil.	68
1937	11.6	*14.0	0.24	2.24	Nil.	Nil.	82
Increase or decrease in 1937 on—five years' average,—							
1932-1936	Nil.	+0.9	—0.42	+0.36	—1.47	—1.36	+32
Previous year .	—1.5	—0.2	—0.25	—0.38	Nil.	Nil.	+14

*1937 adjusted death-rate (comparability factor, 0.95) = 13.3 per 1,000.

STATISTICAL SUMMARY FOR THE YEAR 1937.

Area in statute acres	3,355
Population (estimated 1937)	12,490
Density of population per acre	3.72
Number of inhabited houses (1931 Census)	2,625
Estimated number of inhabited houses, Dec., 1937...	4,087
Rateable Value	£108,005
Sum represented by a Penny Rate	£402 15s. 5d.
Birth Rate per 1,000 population.....	11.6
Adjusted Death Rate per 1,000 population	13.3
Infantile Death Rate per 1,000 births registered	82
Phthisis Death Rate per 1,000 population	0.24
Cancer Death Rate	2.24
Influenza Death Rate	0.48
Pneumonia (all forms) Death Rate	1.04
Respiratory diseases	1.76

ADOPTED ACTS IN FORCE IN THE DISTRICT.

The Public Health Acts Amendment Act, 1890.

The Public Health Acts Amendment Act, 1907 (Adopted 1910)
for parts V. and X, and certain Sections comprised in Parts
II., III., IV. and VII.

Public Health Act, 1925.

Adopted by Resolution of Council:

Part 2 (except Secs. 21 and 22), Part 3 (except Sec. 44) and
Part 4.

Adopted with consent of Ministry of Health:
Sec. 22 of Part 2, Sec. 44 of Part 3, and Part 5.

Thornton Cleveleys Improvement Act, 31st July, 1936.

Thornton Urban District Council Act, 31st July, 1923.

BYE-LAWS.

(i.) Offensive Trades	1904 (Revised 1925)
(ii.) Tents, Vans, and Sheds	1908
(iii.) Houses let in Lodgings	1904 (Revised 1925)
(iv.) Nuisances	1904
(v.) Slaughter Houses	1904
(vi.) Dairies, Cowsheds & Milkshops	1904
(vii.) Common Lodging-houses	1904
(viii.) Hackney Carriages	1908
(ix.) Public Bathing	1904
(x.) New Streets and Buildings	1904 (Revised 1926)

Physical Features and General Character of the District.

By the Lancashire (Central and Western Areas) Review Order 1934, a part of the Township of Carleton containing 354 acres was on the 1st April, 1934, added to the Urban District. The district is bounded on the West by the Irish Sea, on the East by the River Wyre, on the North by the Borough of Fleetwood, and on the South by the Urban District of Poulton-le-Fylde and County Borough of Blackpool, and is flat in character, the only rising ground is in the North Ward (Bourne Hill), and the East Ward adjoining the river.

Consequent upon the addition of a part of Carleton to the district the Ward boundaries were altered as from the 1st April, 1934.

The water courses of the district flow eastward into the Wyre.

Geology.

The general sub-soil of the District is clay, which is overlaid with a thick layer of alluvial deposit (blue silt), varying in thickness from 4ft. to 8ft. On the top of this is a thin layer, about 4in. of peaty matter. Peatty matter of considerable thickness was found in one portion of the North Ward, Butt's Road, and also in Fleetwood Road in South Ward. On the top of this again is a layer, varying from 2½ft. to 4ft. in thickness, of sandy soil, or a mixture of soil and clay. The surface covering is about 6in. in thickness. From above downwards we get (1) surface covering, (2) mixture of soil and clay or sandy soil, (3) peat, (4) blue silt, (5) boulder clay.

The nature of the above strata indicates that at some period the River Wyre had overflowed a large portion of the District, leaving the alluvial deposit.

Climate.

The prevailing wind is a westerly sea breeze. An abundance of summer sunshine, together with usually mild winters, produce a temperate and very bracing climate.

Area and Density of Population.

As previously mentioned the area of Thornton Cleveleys was on the 1st April, 1934, increased by the inclusion of a part of the Parish of Carleton, the total area is now given as 3,355 acres.

The average number of persons per acre is 3.72.

The District is divided into Wards, viz.:—

West Wards.—This Ward was, on the alteration of boundaries, reduced in size; the Eastern boundary is now a building plot depth east of Cleveleys Avenue. This Ward is in the Cleveleys portion of the District, a rapidly growing sea-side resort, which enjoys an increasing popularity with visitors from inland towns. It is flat in character with a slight slope eastwards.

South Ward.—Its western boundary adjoins the boundary of West Ward, and its eastern boundary is a building plot depth west of Fleetwood Road, which it follows throughout the district. It is again flat in character, and is residential (a portion of the district of Cleveleys being within its boundaries). This Ward now includes a portion of the added area.

North Ward.—Is the industrial area of the district and has within its boundaries the works of the Imperial Chemical Industries, Ltd. It is bounded on the North by the Borough of Fleetwood, on the West by the eastern boundary of South Ward, on the East by the River Wyre. On the South it cuts the remaining portion of the district roughly in half and forms the northern boundary of East Ward. This boundary cuts across from Fleetwood Road, through Bancroft Avenue and north of Hillylaid Road to the river.

East Ward.—This Ward is the agricultural area of the district. It also includes part of the added area. Its boundaries adjoin the South and North Wards, the River Wyre, and on the South, the Urban District of Poulton-le-Fylde.

SOCIAL CONDITIONS, INDUSTRIES, &c.

The western portion of the district has in the last few years rapidly developed as a Seaside Holiday Resort, and with the additional amenities now provided, together with the activities of private builders the district as a whole has greatly benefitted.

The largest employers of labour within the district are the Imperial Chemical Industries, Ltd., who have a large Chemical Works on the northern boundary of the district. There is still a large portion of the district devoted to agriculture.

During the last few years there has been a steady decline in the number of unemployed, and each year the position has improved.

The Council have, by the commencement of the new sewerage scheme, contributed to the reduction in the number of unemployed.

RATEABLE VALUE.

For Poor Rate.				For General			
Buildings.				District Rate.			
£ s. d.				£ s. d.			
1901	.....	18,308	0 0.....	3,927	0 0	.....	17,779 0 0
		1d. Rate.		84	9 0	.....	74 1 7
1911	.....	29,288	0 0.....	4,146	15 0	.....	26,897 0 0
		1d. Rate.		140	13 5	.....	112 1 5
1921	.....	41,251	5 0.....	4,559	15 0	.....	38,777 0 0
		1d. Rate.		171	15 1	.....	158 6 9
General Rate.							
1931	.....	79,073	0 0.....				
		1d. Rate.		306	0 5		
1937	.....	108,005	0 0.....				
1d. Rate				£402 15 5			

PART I.—VITAL STATISTICS.

Population.—The population at Census 1921 was 5,340. For 1931 Census the figure was 9,935 (corrected). The Registrar-General's estimate for 1937 was 12,490.

The average number of persons per house is 3.05.

(Inhabited houses December 31st, 1937, numbered 4,087).

The following Table has been carefully compiled year by year:—

Estimated December 31st, 1937.

Thornton Cleveleys Urban District.

Ward	Inhabited Houses	Estimated Population	Empty Houses
West	1267	3872	57
South	1160	3545	45
North	674	2060	20
East	986	3013	39
Total	4087	12490	161

BIRTHS.

During the year 145 Births were recorded by the Registrar-General, comprising 70 males and 75 females. The following Table shows the number of births allocated to the various Wards (after excluding transferable births).

Ward	S E X				Total	Birth Rate
	Males		Females			
	Leg.	Illeg.	Leg.	Illeg.		
West	15	2	16	0	33	2.6
South	17	0	19	0	36	2.9
North	18	0	21	2	41	3.3
East	18	0	15	2	35	2.8
Total	68	2	71	4	145	11.6

The Birth Rate for the District is 11.6 per 1,000, as against 13.1 for the year 1936.

The Birth Rate for England and Wales is: Live Births 14.9; Still Births 0.60.

DEATHS.

On a Population of 12,490 the Registrar-General gives the Death Rate as 13.3 as against 13.4 for 1936 per 1,000.

The Death Rate for England and Wales (1937) is 12.4 per 1,000.

The allocation to the various Wards of the District (after excluding transferable deaths and including local residents dying outside the district) is as follows:—

Ward.	Males.		Females.		Total.		Death Rate.
West	29	.....	21	.....	50	.....	3.8
South	19	.....	29	.....	48	.....	3.7
North	12	.....	13	.....	25	.....	1.9
East	30	.....	22	.....	52	.....	3.9
	<hr/>		<hr/>		<hr/>		<hr/>
	90		85		175		13.3

INFANTILE MORTALITY.

During the year 12 Deaths of Infants under one year occurred, 5 Males and 7 Females (all Legitimate).

The Infantile Mortality Rate is 82 against 68 for 1936.

The Infantile Mortality Rate for England and Wales is 58, as against 59 in 1936.

There were also 8 Still Births as against 7 for 1936, giving a Death Rate of 52 as against 41 for 1936.

Tuberculosis.

In the year 9 cases of Pulmonary Tuberculosis were notified (5 Males and 4 Females) as against 7 cases in 1936. Three deaths were recorded (3 Males) as against 6 in 1936 (5 Males and 1 Female).

The death rate being 0.24 per 1,000 of the population as against 0.49 for the previous year.

There were also 4 cases of Non-Pulmonary Tuberculosis notified (4 Females) and 3 deaths recorded (2 Males and 1 Female) giving a death rate of 0.24. In 1936 7 cases were notified—there were no deaths.

The total live cases on the register are 36 Pulmonary and 30 Non-Pulmonary, shewing a decrease on the previous year of 25 Pulmonary and 29 Non-Pulmonary cases.

Cases are examined by the County Tuberculosis Officer either at their homes or at the County Centre at Fleetwood.

Respiratory Death Rate.

There were 13 Deaths from Pneumonia (7 Males and 6 Females), 7 Deaths from Bronchitis (2 Males and 5 Females), and 2 Deaths from other Respiratory Diseases (1 Male and 1 Female).

The Respiratory Death Rate is 1.76 per 1,000 of the population as against 1.22 for 1936.

Cancer Death Rate.

28 Deaths occurred from Cancer (10 Males and 18 Females) as against 32 in 1936.

The comparable death rates are 2.24 for 1937 and 2.62 for the previous year.

Inquests and Inquiries.

In the year there were 15 Inquests and/or Inquiries on residents belonging to the district as follows:—

WEST WARD.

- (1) Male, 58 years. Fatty degeneration of heart.
- (2) Male, 75 years. Valvular disease of heart.
- (3) Male, 64 years. Suicide—Coal Gas Poisoning.
- (4) Male, 42 years. Perforated Gastric Ulcer.
- (5) Female, 17 years. Chloroma.
- (6) Male, 18 years. Accidental intracranial
hemorrhage.

SOUTH WARD.

- (7) Female, 50 years. Suicide—Poisoning.
- (8) Female, 52 years. Accidental—Septicaemia
through scratch.

EAST WARD.

- (9) Male, 70 years. Myocardial degeneration.
- (10) Male, 33 years. Accidental—fracture of base of
skull.
- (11) Female, 57 years. Myocardial degeneration.
- (12) Female, 57 years. Suicide—wound in throat.
- (13) Female, 3 years. Acute Meningitis.
- (14) Male 62 years. Chronic Myocarditis.
- (15) Female, 79 years. Strangulation of left femoral
hernia.

Ages at Death.

	Males		Females		Total
Under 1 week	1	...	2	...	3
1 to 6 months	4	...	4	...	8
6 to 12 months	0	...	1	...	1
<hr/>					
Total under 1 year	5	...	7	...	12
1 to 5 years	0	...	3	...	3
<hr/>					
Total under 5 years	5	...	10	...	15
5 to 15 years	1	...	2	...	3
15 to 25 years	1	...	1	...	2
25 to 45 years	7	...	6	...	13
45 to 65 years	31	...	20	...	51
65 years and over	45	...	46	...	91
<hr/>					
Total.....	90	...	85	...	175

Causes of Death.

	Males	Females	Total
All Causes	90	85	175
Whooping Cough	1	1	2
Influenza	5	1	6
Encephalitis Lethargica	0	1	1
Tuberculosis of Respiratory System.....	3	0	3
Other Tuberculosis	2	1	3
G.P.I., Tabes, &c.	0	1	1
Cancer	10	18	28
Diabetes	5	0	5
Cerebral Hæmorrhage	4	1	5
Heart Disease	25	28	53
Other Circulatory Diseases	3	2	5
Bronchitis	2	5	7
Pneumonia (all forms).....	7	6	13
Other Respiratory Diseases	1	1	2
Peptic Ulcer	2	0	2
Appendicitis	1	0	1
Other Liver Diseases	0	1	1
Other Digestive Diseases	5	1	6
Acute and Chronic Nephritis	4	2	6
Congenital Debility, Premature Birth, &c.	2	4	6
Senility	1	0	1
Suicide	1	2	3
Other Violence	2	1	3
Other Defined Diseases	4	8	12
	90	85	175

Death Rate per 1,000 of the Population for:—

(1) Influenza	0.48
(2) Respiratory Diseases	1.76
(3) Pneumonia	1.04
(4) Tuberculosis (Pulmonary)	0.24
(5) Tuberculosis (Non-Pulmonary)	0.24
(6) Cancer	2.24

The following Table shows the Birth, Death, and Infantile Mortality Rates since this District was created an Urban Authority in 1900:—

	Birth Rate.	General Death Rate.	Infantile Mortality.
1900 (9 Months only)	31.6	18.8	217
1901	34.1	11.05	92
1902	37.7	12.8	106
1903	33.5	14.7	135
1904	31.2	14.2	103
1905	22.3	13.6	68
1906	29.5	10.6	68
1907	27.1	9.2	69
1908	25.6	13.1	88
1909	22.6	12.8	57
1910	28.2	10.5	80

The Rates given below are corrected in accordance with the new regulations of the Registrar-General, i.e., taking into consideration Transferable Deaths:—

1911	24.1	13.7	99
1912	21.5	13.3	90.9
1913	23.2	7.9	65
1914	23.06	11.07	64
1915	17.72	11.52	72
1916	19.02	13.04	120
1917	17.57	12.36	105
1918	14.44	17.89	78
1919	16.5	12.3	79
1920	19.9	14.6	84
1921	20.4	10.8	55
1922	14.5	9.7	25
1923	19.8	13.2	64
1924	17.2	11.5	49
1925	15.7	15.2	81
1926	17.5	12.0	46
1927	12.0	12.4	51
1928	15.0	10.5	58
1929	17.6	15.3	47
1930	15.8	11.9	39
1931	13.2	12.3	67
1932	9.6	13.1	51
1933	11.0	12.8	52
1934	12.3	13.6	29
1935	12.0	10.7	50
1936	13.1	13.4	68
1937	11.6	13.3	82

PART II.

INFECTIOUS DISEASES.

There were 144 cases of Infectious Diseases notified during the year as against 146 cases in 1936, and were as follows:

Disease	Total Cases Notified	Cases Admitted to Hospital and Sanatorium	Total Deaths
Scarlet Fever	18	12	—
Diphtheria	12	11	—
Pneumonia (Influenzal)	1	—	—
Pneumonia (Acute)	4	—	13*
Chicken Pox	90	—	—
Erysipelas	2	—	—
Pyrexia	1	1	—
Encephalitis lethargica	2	2	1
Puerperal Fever	1	1	—
Pulmonary Tuberculosis	9	5	3
Other forms of Tuberculosis	4	—	3
	144	32	20

*Includes Deaths from all forms of Pneumonia.

The distribution in relation to the Wards of the District is as follows:—

DISEASE	WARDS				Total
	West	South	North	East	
Scarlet Fever	2	10	5	1	18
Diphtheria	1	3	2	6	12
Pneumonia (Influenzal)	—	1	—	—	1
Pneumonia (Acute)	—	3	—	1	4
Chicken Pox	6	15	38	31	90
Erysipelas	—	1	—	1	2
Pyrexia	1	—	—	—	1
Encephalitis lethargica	1	—	—	1	2
Puerperal Fever	1	—	—	—	1
Pulmonary Tuberculosis	4	1	2	2	9
Other forms of Tuberculosis ...	2	1	1	—	4
	18	35	48	43	144

CASES NOTIFIED.

The following Table shows the number of Cases and the months in which they were notified:—

Disease.	January	February	March	April	May	June	July	August	September	October	November	December	Total 1937	Total 1936
Scarlet Fever	0	1	0	5	0	1	2	2	3	1	0	3	18	34
Diphtheria	1	1	2	3	1	0	1	0	1	0	0	2	12	38
Pneumonia (Influenzal) .	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Pneumonia (Acute)	0	1	0	1	0	1	0	1	0	0	0	0	4	6
Chicken Pox	0	0	0	1	1	4	0	2	5	13	22	42	90	49
Erysipelas	0	0	0	0	0	0	1	0	0	0	1	0	2	2
Pyrexia	0	0	0	0	0	0	0	1	0	0	0	0	1	0
Puerperal Fever	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Encephalitis lethargica ...	0	0	0	0	0	0	0	2	0	0	0	0	2	0
Acute Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Pulmonary Tuberculosis .	1	2	0	0	0	4	1	0	1	0	0	0	9	7
Other forms of Tuberculosis	0	0	0	1	0	0	2	0	0	1	0	0	4	7
Puerperal Pyrexia	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	5	2	11	2	10	7	8	11	15	23	47	144	146

TUBERCULOSIS.

The following Table shows the periods of the cases notified.

Age Periods.	New Cases.				Deaths.			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
1 to 5 years.....	0	0	0	2	0	0	0	1
5 to 10 years.....	0	0	0	0	0	0	0	0
10 to 15 years.....	0	0	0	1	0	0	0	0
15 to 20 years.....	0	0	0	0	0	0	0	0
20 to 25 years.....	1	0	0	0	0	0	0	0
25 to 35 years.....	1	1	0	0	0	0	0	0
35 to 45 years.....	1	2	0	1	0	0	2	0
45 to 55 years.....	0	0	0	0	0	0	0	0
55 to 65 years.....	2	0	0	0	3	0	0	0
65 and upwards	0	1	0	0	0	0	0	0
	5	4	0	4	3	0	2	1
	9		4		3		3	

NOTIFIABLE DISEASES DURING THE YEAR.

Age Periods.

Disease	Total Cases	under 1	1 — 2	2 — 3	3 — 4	4 — 5	5 — 10	10 — 15	15 — 20	20 — 35	35 — 45	45 — 65	over 65
Scarlet Fever	18	0	0	3	1	2	5	3	1	1	1	1	0
Diphtheria	12	0	0	0	0	0	8	1	3	0	0	0	0
Pneumonia (Influenzal) .	1	0	0	0	0	0	1	0	0	0	0	0	0
Pneumonia (Acute)	4	0	0	0	0	0	0	0	0	3	0	1	0
Chicken Pox	90	3	5	7	7	2	58	7	1	0	0	0	0
Erysipelas	2	0	0	0	0	0	0	0	0	0	0	2	0
Pyrexia	1	0	0	0	0	0	0	0	0	0	1	0	0
Encephalitis lethargica ...	2	0	0	0	0	0	0	1	0	0	0	1	0
Puerperal Fever	1	0	0	0	0	0	0	0	0	1	0	0	0
Pulmonary Tuberculosis .	9	0	0	0	0	0	0	0	0	3	3	2	1
Other forms of Tuercu- losis	4	0	0	0	0	2	0	1	0	0	1	0	0
Totals.....	144	3	5	10	8	6	72	13	5	8	6	7	1

Scarlet Fever.

Cases 18.

Deaths 0.

As against 34 cases notified in 1936, there were only 18 cases notified in the year. Twelve of these were admitted to hospital, the remainder receiving home treatment. There were no deaths. The cases were spread over eight months of the year, and South Ward, with 10 cases, was the Ward chiefly affected.

Diphtheria.

Cases 12.

Deaths 0.

Only 12 cases were notified as against 29 in 1936. Eleven of these received hospital treatment, and there were no deaths. The cases were distributed over all of the Wards and occurred in eight out of 12 months of the year.

Chicken Pox.

Cases 90.

Deaths 0.

Chicken pox was again prevalent, 90 cases were notified as against 49 in 1936. Seventy-seven of these cases were notified in the last quarter of the year, and out of the total number of cases 69 were residents of North or East Wards.

Isolation of Infectious Diseases.

The District is provided with hospital accommodation for Smallpox at Elswick, Infectious Diseases at Moss Side, near Lytham, and Sanatorium treatment at Elswick, Grange, High Carley, and other centres.

The Hospital accommodation at Moss Side which had become less adequate owing to the growth in population of the constituent authorities is to be increased to meet the needs of the areas served. Ambulance arrangements are good.

Disinfection.

Disinfection is carried out by means of a Formalin Spraying Machine.

A Thresh Steam Disinfector was installed in the Council's depot in 1925.

Disinfection is carried out on request in houses where deaths have occurred from Cancer, and in all cases where deaths have occurred from Pulmonary Tuberculosis.

Bacteriological Examinations.

These are carried out at the Public Health Laboratory, Manchester, and at the Public Health Laboratory, Blackpool, and in the year the following examinations were made:—

Diphtheria Swabs, 33; of which 7 were positive.

Agglutination Tests for Typhoid Fever, 2.

Bacteriological Examination Water, 5.

Examinations of Sputum for the Tubercle Bacillus are carried out at Elswick Sanatorium.

Summary of Nursing Arrangements: Hospitals and Other Institutions available for the District Nursing. Professional Nursing in the Home.

- (a) **General.**—In July, 1923, the district was provided, through the Thornton and Cleveleys District Nursing Association, which is affiliated with the Queen Victoria Jubilee Institution for Nurses, with a Nurse or Nurses as occasion required. The services have given entire satisfaction and are a boon to the District.

Number of cases visited during year..... 231

Number of visits made during year..... 7,390

- (b) **For Infectious Diseases.**—No action was required, but a Nurse is engaged if necessary.

Maternity and Child Welfare Centre.

The Child Welfare Centre was opened on Thursday, 6th September, 1923, at the Methodist Sunday School, Fleetwood Road, Thornton-le-Fylde. The School Medical Officer and Nurse (County Council) and Ladies of the District (two as a rule) attend weekly.

I am informed that during the year ended 31st December, 1937—

That the Centre was opened on 48 occasions.

That the number of individual Children attending were:

Under 1 year 165

From 1 to 2 years 62

From 2 years and over 139

366

The number of attendances of Children were:—

Under 1 year 1438

From 1 to 2 years 1020

From 2 years and over 2022

4480

The number of attendances by Expectant Mothers:—

Number of individual Expectant Mothers attending	46
Number of actual attendances	273

Midwives' Act, 1902.

Midwives resident in the district and certified under the above Act are enrolled on the County Register. The above are under supervision of the County Medical Officer of Health.

Clinics and Treatment Centres.—None situate in the district. Tuberculosis is dealt with by the County Tuberculosis Officer on notification. Venereal Diseases attend the Blackpool Centre at the Victoria Hospital.

Nursing Homes.—There are four Nursing Homes within the District.

Public Health (Prevention of Tuberculosis) Regulations, 1925, Public Health Act, 1925, Section 62.—No action was required under the above Regulations, &c.

Hospitals.—None in district. Cases are sent to Blackpool, Fleetwood, Preston, Manchester, &c. Ambulance facilities are good.

Hospital facilities for Infectious Diseases are satisfactory (see Part II.).

SANITARY INSPECTOR'S REPORT.

To the Chairman and Members of the Thornton Cleveleys
Urban District Council.

Gentlemen,

I have the honour of presenting my thirty-eighth Annual Report for the year ending 31st December, 1937. To avoid repetition the report has been prepared in conjunction with the Medical Officer of Health.

Your attention is drawn to the following points of special interest, which will in the future assist materially in improving the health and amenities of the district—

- (a) the introduction of the Public Health Act, 1936;
- (b) the commencement of the new sewerage scheme;
- (c) the operation of the Council's Improvement Act Act, 1936, particularly so far as it relates to sanitary provisions, and the provisions dealing with moveable buildings and the sale of ice cream.

The continued growth and development of the district has again brought with it increased activities in the department.

Regular inspections of Schools, Workshops, Dairies and Cowsheds, &c., have been maintained, and any infringement of the regulations have received prompt attention.

In conclusion, may I take this opportunity of thanking all who have carried out or assisted in carrying out sanitary improvements, for the helpful co-operation of all is necessary to maintain a high standard of health and to extend the amenities now possessed by the district.

I am,

Gentleman,

Yours obediently,

HENRY FENTON, M.R.San.I.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply.

The district is supplied by the Fylde Water Board, the water being of good quality, pleasantly soft, and of a peaty nature. No cases of lead poisoning have been reported, and the mains have been regularly flushed during the year.

Only a few outlying houses depend on well water, and samples to the number of five were obtained from these wells, the results of the analyses being brought to the notice of the owners.

During the year the board have made considerable extensions, increasing the supply by the laying of larger mains and coupling up the existing mains to the new 24 inch main running from Blackpool to Fleetwood.

The Urban District Council was first represented on the Board in 1925.

Total number of houses supplied with	
Fylde Water	4242
Total number of houses supplied with	
Well Water	6
	<hr/>
	4248
	<hr/>

Drainage and Sewerage.

Owing to the very flat nature of the District, a system of ejectors (Shones), worked by compressed air, is in operation. Five stations are in use, viz.:—

Four Lane Ends, containing 3 ejectors, each 500 galls. capacity						
Sandyforth	"	2	"	"	150	" "
Tarn Road	"	2	"	"	100	" "
Stanah Road	"	2	"	"	100	" "
West Drive	"	2	"	"	100	" "
Norcross	"	2	"	"	100	" "

The compressed air is generated at the Station at the Council Depot, and comprises engines and air compressers in duplicate. The steam is generated by 2 Galloway boilers, and the air distributed to the various stations through cast iron mains. The whole of the Thornton sewage passes through the ejectors, flowing through 12in. and 9in. cast iron rising mains in Victoria Road and into the gravitation sewer near Rowlands Farm, thence through Cleveleys, and is discharged near dead low water into the Irish Sea at Anchorholme in the Blackpool area. In addition an electrically driven pump is installed on the Rossall Beach Estate near Thornton Gate.

Until November 9th, 1937, when the sewers from that portion of Carleton recently added to the Urban District of Poulton-le-Fylde were disconnected from the Norcross Ejectors the sewage from that area also passed through the mains in the Thornton area.

The sewers are ventilated by means of cast iron shafts placed at the head of the main sewers. The manhole covers on the sewers in the roadways are of closed type, to obviate offensive smells.

The system is generally satisfactory, but during heavy rainfall at times becomes congested, outlying portions of East Ward, owing to the scattered condition of the houses, depend on Cesspools.

In the Spring a commencement was made on the new sewerage scheme and satisfactory progress has been made, and in addition 746 lineal yards of sewer and 2,099 yards of surface water drains have been laid.

Watercourses.

Regular inspections have been carried out and the watercourses maintained in a fairly satisfactory condition.

Dwelling-houses utilising the water carriage system	4184
Dwelling-houses utilising the waste water closets ...	14
Dwelling-houses utilising the privy midden	18
Dwelling-houses utilising the pail closet	32
	—4248
Dwelling-houses the drains of which are connected to Sewer	4158
Dwelling-houses the drains of which are connected to Cesspools	90
	—4248
Number of saddle connections made to sewers dur- ing year	77
Number of drains tested (smoke machine) during year	338
Number of drains unstopped by Council workmen during year	74

CONVERSIONS.

	During Year 1937.	During 5 years 1932-1936.
Number of Privy Closets:		
To Fresh Water Closets	0	1
To Waste Water Closets	0	0
To Pail Closets	3	2
Number of Pail Closets:		
To Fresh Water Closets	0	2
To Waste Water Closets	0	0
Number of Waste Water Closets:		
To Fresh Water Closets	0	3
Number of houses at which movable ash- bins have been substituted for fixed receptacles	2	5

PUBLIC CLEANSING.

Ashbins:—

Ashbins are emptied weekly by Council workmen and during the summer season those of business premises are emptied as required. Two rear loading enclosed motor vehicles are in regular use for the removal of the refuse.

Ashpits:—

These are emptied every two months and more often if necessary. There are 6 in number.

Average daily weight removed	10 tons
Average daily mileage covered	29 miles
No. of houses with movable ashbins	4224
No. of houses with dry ashpits	6

SANITARY INSPECTIONS DURING 1937.

Number of Premises visited	1614
Number of defects or nuisances discovered	395
Number of defects or nuisances abated	387
Number of Informal and Preliminary Notices served ...	212
Number of Statutory Notices served	16
Number of legal proceedings taken	3
Number of convictions obtained	3

The following tables give a classified list of nuisances dealt with:—

Drains defective	77	Window frames	8
Ashbins defective	82	Garden walls	3
Yard surfaces do.	5	Stagnant water	12
Gutters defective	9	Verminous premises	92
Downspouts defective	14	Dampness	7
Sink wastes	3	Manure heaps & vegetable	
W.C's	8	refuse	13
Fire Places	3	Untidy premises	17
Roofs	7	Others unclassified	16
Brickwork	5		
Ceilings and Floors	11		
Doors	3		

SUMMARY OF VISITS MADE DURING 1937.

DESCRIPTION	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	TOTAL
Complaints Investigated	9	10	12	8	12	12	13	8	9	13	10	9	125
Number of Houses Inspected	1	1	2	2	3	2	14	2	4	10	12	29	82
Visits to Defective Water Closets	0	1	0	0	1	0	1	2	1	0	1	1	8
Visits to Defective Drains	4	8	6	6	5	7	9	7	4	5	7	9	77
Visits to Work Ordered in Progress	0	3	2	4	7	3	11	3	3	5	8	3	52
Visits to Owners or Agents	0	0	0	2	0	1	2	0	1	0	3	0	9
Visits to Cowsheds	11	8	13	9	9	13	12	10	7	17	20	13	142
Visits to Dairies and Milkshops	10	8	19	13	14	12	16	20	7	20	22	13	174
Visits to Bakehouses	9	4	9	4	14	10	27	12	11	13	12	7	132
Visits to Factories and Workshops	9	12	10	10	17	9	27	13	9	24	18	16	174
Visits to Tents, Vans and Sheds	35	14	27	1	14	7	62	35	23	36	12	0	266
Infectious Diseases Inquired Into	2	3	2	10	1	6	4	6	10	14	21	52	131
Visits to Public Conveniences	4	4	5	4	5	4	4	4	5	4	4	5	52
Visits to Choked Dykes and Streams	2	3	10	3	3	4	1	39	4	2	2	2	75
Visits to Verminous Premises	1	3	4	1	8	7	4	5	9	21	27	2	92
Visits to Ice Cream Vendors	0	0	2	13	40	26	53	18	6	2	0	0	160
Visits to Private Slaughterhouse	5	3	6	6	9	8	11	9	9	12	14	11	103
Visits re Killing Pigs, Lambs, etc.	4	5	13	7	7	5	9	7	7	3	4	16	87
Visits to Back Yards	8	10	11	16	11	11	28	17	6	19	25	16	178
Unauthorised Temporary Erections	3	2	4	1	2	1	0	1	4	1	1	0	20
Visits re Street Cleaning	4	4	5	4	5	4	4	4	5	4	4	5	52
Visits to Manure Stalls and Middens	0	2	1	0	0	4	2	0	2	1	1	0	13
Defective Gutters and Downspouts	3	0	0	2	0	1	3	3	2	0	4	7	23
Premises Disinfected	12	8	13	12	11	9	12	10	14	11	8	10	130
Articles Disinfected	52	24	56	63	43	22	50	33	56	16	13	52	480
Articles Destroyed	21	8	20	20	15	22	55	16	21	54	17	7	276
Notices Served (All Purposes)	33	18	20	10	9	16	9	43	5	13	22	14	212
	240	166	272	231	265	226	443	327	244	320	292	299	3325

Shops Act, 1934.

During the year every shop in the Area was visited and the general conditions were very satisfactory. In collaboration with the Local Chamber of Trade a lecture was given to the local shop-keepers, which was well attended and the provisions of the Act explained in detail.

Number of Visits made to Shops and Stalls	484
Number of Notices served under Sec. 10. s.s. 2 & 4	4
Number of Applications for Exemption granted	3
Number of Applications for Exemption refused	1

Smoke Abatement.

Four observations have been made and the necessary steps taken to abate the nuisance, there are only 5 factory and works chimneys in the district and little trouble is experienced.

Verminous Premises.

The number of complaints are not many but are of a varied nature, every known infestation was visited. Helpful advice and assistance was given in each case and the practice of giving public lectures continued—three being well attended.

During the National Rat Week 18 separate premises were visited and traps and Red Squill poison provided. Ferrets were also used on two farms.

Five cases of Bed Bugs were dealt with, in each case a preparation of Solution B being sprayed on all walls and woodwork, during and after stripping and a Plumber's blow lamp lightly applied to cracks and crevices. The bedding was treated in the Thresh Steam fumigator at the Council depot. No infestation occurred in any houses owned by the Council.

Number of visits paid to houses infested with bed bugs	16
do. do. Cockroaches	21
do. do. Silver Fish	2
do. do. Woodlice	2
do. do. Moths	2
do. do. Ants	1
do. do. Mosquitoes	2
do. do. Fleas	4
do. premises White Fly	3
do. do. Rats	39
	—
	92

Swimming Baths and Pools.

There are no public or privately owned swimming baths or pools open to the public in this district.

Schools.

The general condition of the schools in the Urban District is very satisfactory, each being supplied with Fylde Water and in every case modern water closets are provided. The provisions of the Memorandum on Closure of and Exclusion from Schools 1927 are being closely followed. The schools are under the control of the Local Elementary Education Sub-Committee No. 4 (Lancashire Education Committee). The Schools are 6 in number and are frequently visited for inspection. The Ashbins are emptied weekly and the yards are satisfactory. The Medical inspection of the School Children is carried out by the County Council School Medical Officer and Nurse. No closure of schools has been necessary during the year for infectious disease.

ELEMENTARY SCHOOLS	Accom. for	Aver. No. on Books	Aver. Attend.	Boys	W.C.s Girls	Inf.	Staff		
Baines Endowed, Station Road	188	...	138	...	124	3	5	—	1
Thornton Cleveleys Roman Catholic, Crabtree Road	270	...	187	...	170	3	3	—	—
Burn Naze Council, Heys Street	210	...	168	...	158	4	4	—	1
Church Rd. Junior Council	354	...	207	...	183	6	5	3	1
Church Rd. Senior School									
Senior Boys	280	...	171	...	159	5	—	—	1
Senior Girls	280	...	177	...	163	—	14	—	3
Beach Road Council ...	376	...	269	...	197	4	5	2	1
PRIVATE SCHOOLS									
Arundel, West Drive ...	17	...	6	...	6	1	1	—	—
Beachlands, Queen's Walk	75	...	45	...	45	2	2	—	1

Offensive Trades.

These are 14 in number and are confined exclusively to Fish Fryers. Each one is registered and periodical inspections are made; conditions are generally found to be satisfactory.

Factories and Workshops Act.

A register is kept of all Factories, Workshops, etc., in the District, and frequent visits of inspection are made, these for the year number 306. A few defects were found which were promptly remedied by the owners.

The sanitary accommodation complies with the order of February 4th, 1903, with regard to sufficiency and suitability and the provisions with regard to means of escape in case of fire are satisfactory.

There are no out workers in the district and no underground bakehouses.

Factories:—

Ammonia Soda Works	1	
Air Compressing Station	1	
Gas Works	1	
Motor Engineers	9	
Joinery Works, etc.	10	
Printing Works	3	
	—	25

Workshops:—

Joiners, Builders, etc.	15	
Plumbers and Glaziers	7	
Painters and Decorators	16	
Blacksmiths	1	
Boot and Shoe Repairers	13	
Dressmakers and Tailors	11	
Upholsterers	3	
Fish and Chip Shops	14	
Umbrella Repairers	2	
	—	82

Bakehouses (Confectioners and Bakers)

36

—
143

—

HOUSING.

Number of new houses erected during year:—

(a) Total (Including numbers given separately under (B))	170
(i) By Local Authorities	0
(ii) By other Local Authorities	0
(iii) By other Bodies or Persons	170
(b) with State Assistance under the Housing Acts:	
(i) By the Local Authority (included under (a) (1) above)	0
(ii) By other Bodies or Persons (included under (a) (iii) above)	0

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)	82
(b) Number of Inspections made for the purpose	134
2. (a) Number of Dwelling Houses (included under Sub Head (1) above which were inspected and recorded under the Housing Consolidated Regulations 1925)	0
(b) Number of Inspections made for the purpose	0
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 preceding sub head) found not to be in all respects reasonably fit for human habitation	0

2.—Remedy for Defects during the year without Service of Formal Notices.

Number of defective Dwelling Houses rendered fit in consequence of informal action by Local Authority or their officers	16
---	----

3.—Action under statutory powers during the year.

(a) Proceedings under section 9, 10 and 16 of the Housing Act 1936.	
(1) Number of Dwelling Houses in respect of which notices were served requiring repairs	0
(2) Number of Dwelling Houses which were rendered fit after service of formal notice	0
(a) By owners	0
(b) By Local Authority in default of owners	0

(b) Proceedings under Public Health Acts.	
(1) Number of Dwelling Houses in respect of which notices were served requiring defects to be remedied	24
(2) Number of Dwelling Houses in which defects were remedied after service of formal notice	
(a) By owners	24
(b) By Local Authority in default of owners	0
(c) Proceedings under sections 11 and 13 of the Housing Act, 1936.	
(1) Number of Dwelling Houses in respect of which Demolition Orders were made	0
(2) Number of Dwelling Houses demolished in pursuance of Demolition Orders	0
(d) Proceedings under section 12 of the Housing Act 1936.	
(1) Number of separate tenements or underground rooms in respect of which closing orders were made	0
(2) Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit	0

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

(a) (1) Number of Dwelling Houses overcrowded at the end of the year	0
(2) Number of families dwelling therein	0
(3) Number of persons dwelling therein	0
(b) Number of new cases of overcrowding reported during the year	0
(c) (1) Number of cases of overcrowding relieved during the year	0
(2) Number of persons concerned in such cases	0
(d) Particulars of any cases in which Dwelling Houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	0
(e) Any other particulars with respect to overcrowding condition upon which the Medical Officer of Health may consider it desirable to report	0
(f) Number of notices forwarded to owners or agents supplying the "Permitted Number"	58

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply:—

Milk and Dairies (Consolidated) Act, 1915.

Milk and Dairies (Amendment) Act, 1922.

Milk and Dairies Order, 1926.

The Milk (Special Designation) Order, 1936.

There are 33 registered cowkeepers in the district, six of whom produce "Designated Milk." The total number of registered dairymen is 49; of these 16 are resident in the district, and 11 dairymen are licenced for the sale of graded milk, and one retailer is licenced for bottling of Tuberculin Tested Milk.

Every farm in the area is provided with Fylde water and comply in general with the order regarding ventilation, light, drainage and floors.

A total of 125 samples were collected during the year, and are as follows:—

By the County Constabulary 22; of these two were deficient 1% solids, not fats, and the attention of the vendors was drawn to the deficiencies and a warning issued.

Supply to School Children.—For this purpose eight samples were collected; two each at three monthly intervals and negative results were returned in each case.

Sediment Tests.—Sixty samples were collected during the year for this purpose, several samples being of inferior quality. The attention of the traders concerned was drawn to these, and further samples were collected until an improved standard was reached.

In collaboration with the County Inspector and Veterinary Surgeon, 35 samples were collected from farms in the area for T.B. tests, covering approximately 500 cows, resulting ultimately in the destruction of two cows.

Number of visits to Dairies..... 174

Number of visits to Farms..... 142

Inspection and Supervision of Meat and Slaughter House.

	Cattle exclud. Cows	Cows and Calves	Sheep and Lambs	Pigs
Carcases inspected and condemned				
Number killed (known)	0	156	869	433
Number inspected	0	61	311	81
All diseases except Tuberculosis:—				
Whole carcasses condemned ...	0	0	0	0
Carcases of which some part or organ was condemned	0	0	11	5
Percentage of the number in- spected affected with disease other than Tuberculosis	0	0	3.86	6.15
Tuberculosis only:—				
Whole carcasses condemned ...	0	2	0	0
Carcases of which some part or organ was condemned	0	7	0	0
Percentage of the number inspec- ted affected with tuberculosis	0	14.92	0	0

There is only one Slaughter House in the district (private) and this was visited on 103 occasions.

A considerable quantity of meat is brought into the district from neighbouring areas. It is therefore necessary that there should be uniformity in inspection in all districts to guard against the importation of unsound meat.

Ice Cream:—(Thornton Cleveleys Improvement Act, 1936, Part VI. Sec. 45).

A register is kept of all vendors and manufacturers of Ice Cream. The number of those registered is as follows:—

Manufacturers 16, Dealers 48.

The number of visits to these total 160.

Other Foods:—Samples taken by the County Constabulary—

Coffee	1
Ground Ginger	1
Lancashire Cheese	1
Black Treacle	1
Fine Sugar	1
	<hr/>
	5

all the above samples were genuine.

Bakehouses:—Confectioners and Bakers:—

Of these there are 36 none being underground. 132 visits were paid and the complaints were generally of a trifling nature and were immediately attended to by the owners.

Markets:—The Markets in the district which are privately owned were visited on 127 occasions, complaints were few in number. Owing to the popularity of the district as a seaside resort additional attention is required during the season.

Shell Fish:—There are no shell fish beds in the district.

Movable Dwellings.

Thornton Cleveleys Improvement Act 1936, Part 5 Sec. 41.

During the year 47 Caravans and Movable Dwellings were occupied mostly for holiday purposes. In addition a large number of trailer vans and tents were brought into the district during the summer season. The total number of visits for all purposes numbered 206. At the end of the summer season a number of caravans were closed by the Council. Proceedings were instituted on three occasions and convictions were obtained in each case.

INFECTIOUS DISEASES.

Monthly Chart of Disinfections.

	Scarlet Tuber- Fever culosis			Diph- theria		Others	Schools	Offices	Total				
January	2	...	—	...	2	...	3	...	—	...	5	...	12
February	—	...	1	...	1	...	2	...	—	...	4	...	8
March	1	...	2	...	—	...	4	...	2	...	4	...	13
April	2	...	2	...	3	...	1	...	—	...	4	...	12
May	1	...	2	...	1	...	2	...	—	...	5	...	11
June	1	...	2	...	—	...	2	...	—	...	4	...	9
July	3	...	2	...	1	...	2	...	—	...	4	...	12
August	—	...	2	...	—	...	4	...	—	...	4	...	10
September ..	5	...	3	...	1	...	1	...	—	...	4	...	14
October	—	...	3	...	—	...	3	...	—	...	5	...	11
November ...	1	...	2	...	—	...	1	...	—	...	4	...	8
December ...	3	...	—	...	2	...	1	...	—	...	4	...	10
	—	—	—	—	—	—	—	—	—	—	—	—	—
	19	...	21	...	11	...	26	...	2	...	51	...	130

Total number of Infectious diseases notified ...	144
Total number of Premises disinfected	130
Total number of articles disinfected	480
Total number of articles destroyed	276

Motor Ambulance.

The Motor Ambulance has been requisitioned on 106 occasions during the year: 26 as the result of accidents; 73 due to illness; 1 suicide and 6 unclassified, as follows:—

Patients taken to:—	Accidents	Illness	Suicide	Total	
Victoria Hospital, Blackpool ..	14	...	45	...	59
Cottage Hospital, Fleetwood..	5	...	2	...	7
Union Infirmary, Kirkham	—	...	10	...	10
Nursing Homes	—	...	6	...	6
Own Residence	5	...	4	...	9
Mortuary	1	...	2	...	4
Other Districts	1	...	4	...	5
Unclassified	—	...	—	...	6
	—	—	—	—	—
	26	...	73	...	106

The total mileage covered—1,562 miles.

Foreshore:—

The Foreshore is regularly inspected and any objectionable matter found is at once removed and buried. During the year 2 dogs, 1 sheep and 7 large fish were buried.

Licensing:—

The undermentioned licenses were issued during the year—

Taxis	2
Drivers	5
Pleasure Boats	2
Fish Fryers (transfers)	2
Landaus	1
Petroleum	17
	—
	29
	—

Improvements Carried out in 1937.

Making up of the following Private Streets—

Carr Gate, Stanley Avenue, Ryden Avenue, Ellerbeck Road, Clegg Avenue, Slinger Road and Slinger Crescent, Elms Avenue, Birch Avenue and Oxford Road North and South.

Suggestions for Future Improvements.

Making up of further New Streets in the District.

METEOROLOGICAL OBSERVATIONS FOR 1937.

These have been taken during the past year at the Council Depot at 9 a.m. A tabular synopsis of which is given below, and Monthly Reports have been placed before the Council.

January.—An average month with sharp showers on the 4th, 5th, 12th and 19th. Twelve days of this month were dry.
Rainfall for month: 2.05 inches.

February.—A persistently wet month, the highest rainfall for the year and the wettest ever recorded for the month of February at the Depot.
Rainfall: 5.13 inches.

March.—An average month, with showers on the 12th, 16th, and 19th. Snow on the 8th and 9th.
Rainfall for the month: 1.24 inches.

April.—Heavy rainfall occurred on the 2nd, 15th and 16th, but the last 10 days proved to be very dry.
Rainfall for the month: 2.85 inches.

May.—Much the greater part of this month was very dry. Showers only occurring on five days.
Rainfall for month: 1.70 inches.

June.—Very heavy showers were recorded on the 3rd, 12th and 30th, with the remainder of the month warm and dry.
Rainfall for month: 2.05 inches.

July.—Rainfall below the average with a few sharp showers on the 3rd, 15th and 21st. The latter part of the month was dry and warm.
Rainfall for month: 1.62 inches.

August.—A moderate month with rather cold winds from the 16th to the 19th. On the 14th a heavy downpour was recorded .79 inches.

Rainfall for the month: 2.13 inches.

September.—Heavy showers on the 1st, 12th and 24th, the remainder of the month was dry and warm.

Rainfall for month: 2.09.

October.—The early part of the month was dry, but from the 21st to the end of the month persistent showers occurred.

Rainfall for the month: 2.06 inches.

November.—A very fine and dry month and the lowest rainfall for the month of November recorded at the Depot. Fog occurred on the 15th and frost on the 12th and 13th.

Rainfall for the month: 1.44 inches.

December.—Again for the winter period a fairly dry month. Keen frost was recorded from the 18th to the 20th, and snow fell on the 10th and 11th, with a few sharp showers on the 4th and 5th.

Rainfall for the month: 2.15 inches.

Total Rainfall for 1937: 26.51 inches.

Total Rainfall for 1936: 27.82 inches.

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