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1938

NORTHWICH RURAL DISTRICT

Annual
Report

OF THE

Medical Officer of Health

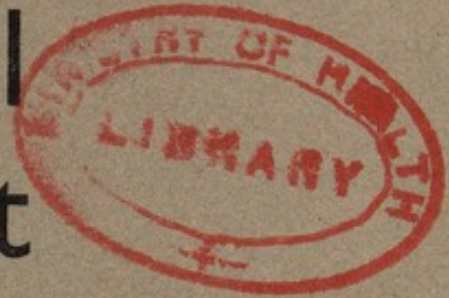
AND VITAL STATISTICS, &c.

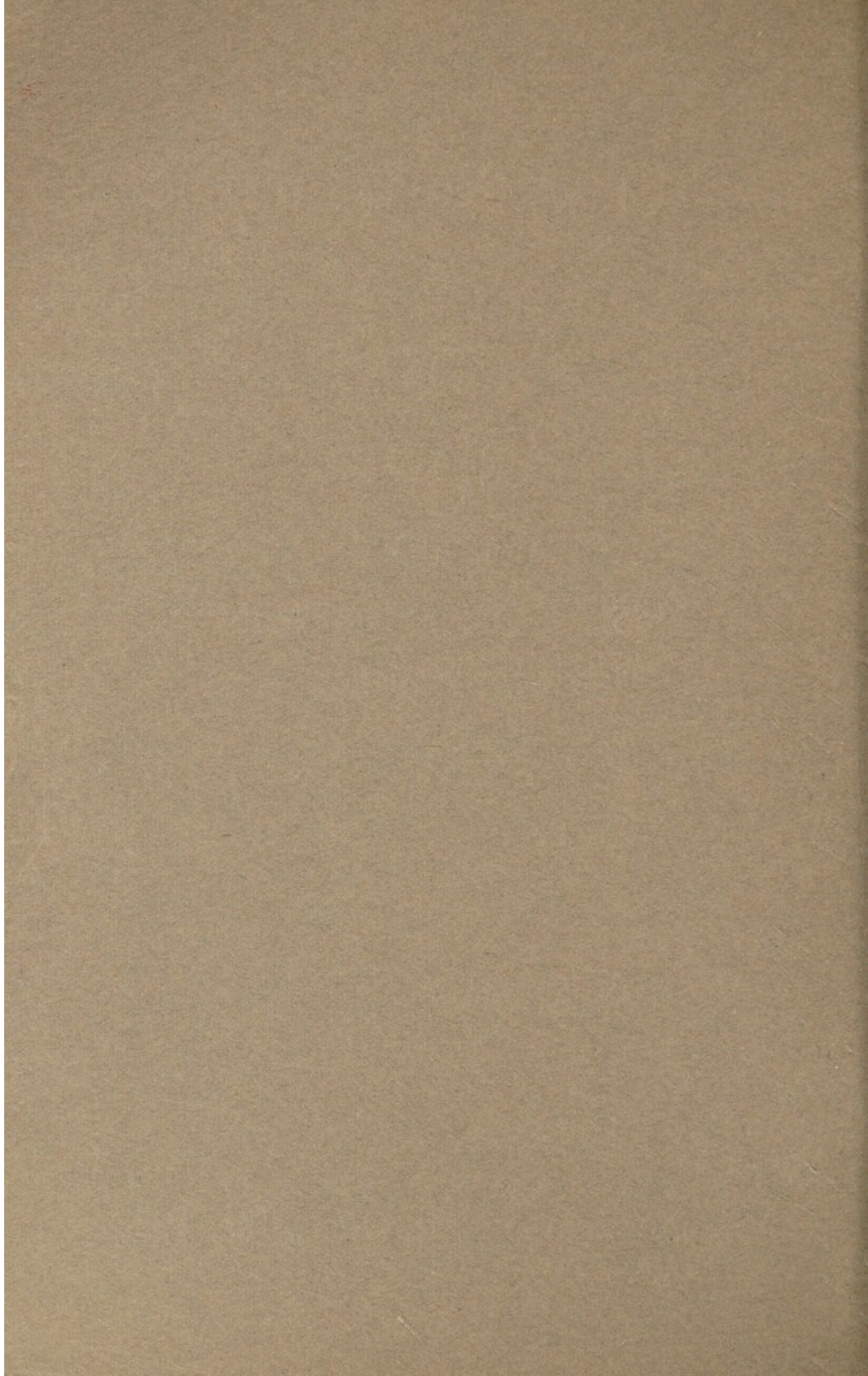


For the Year ended Dec. 31st, 1938

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NORTHWICH RURAL DISTRICT

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

For the Year ended December 31st, 1938

The estimated acreage of the district as altered by the County Review Order, 1st April, 1936, is approximately 57,547 acres.

The estimated resident population according to the Registrar General is 28,610.

The number of inhabited houses according to the Rate Books at the end of 1938 was 8,586.

The rateable value on April 1st, 1939, was £148,475 and the sum represented by a penny rate (estimated net) on the same date £565.

The major occupation of the inhabitants is agriculture, but many find work in the group of Works owned by Imperial Chemical Industries, Limited, situated in the neighbouring districts of Northwich, Winsford and Middlewich.

The incidence of unemployment is comparatively low and in some parts of the district, agriculture is faced with a shortage of skilled labour.

	Total	M.	F.	
Live Births	{ Legitimate... 446	235	211	} Birth Rate per 1,000 of the estimated resident population ... 15.588
	{ Illegitimate.. 10	7	3	
Stillbirths	19	10	9	Rate per 1,000 total (live and still) births ... 40.8602
Deaths	296	141	155	Death Rate per 1,000 of the estimated resident population... 10.311
				After adjustment by the Comparability Factor ... 10.104

Deaths from puerperal causes (Headings 29 and 30 of the Registrar-General's Short List):—

	Deaths.	Rate per 1,000 total (live and still) births
No. 29 Puerperal sepsis	1	2.129
No. 30 Other puerperal causes...	—	—
Total	1	2.129

Death Rate of Infants under one year of age:—

All infants per 1,000 live births	43.859
Legitimate infants per 1,000 legitimate live births	44.843
Illegitimate infants per 1,000 illegitimate live births	—
Deaths from Cancer (all ages)	47
„ Measles (all ages)	—
„ Whooping Cough (all ages)...	—
„ Diarrhœa (under 2 years of age)	1

TABLE 1

CAUSES OF DEATH—1938

(Taken from the Registrar General's Tables)

	M.	F.	Ttl.
1. Typhoid and Paratyphoid Fever ...	—	—	0
2. Measles	—	—	0
3. Scarlet Fever	—	—	0
4. Whooping Cough	—	—	0
5. Diphtheria	—	1	1
6. Influenza	1	1	2
7. Encephalitis lethargica	—	—	0
8. Cerebro-spinal Fever	—	—	0
9. Tuberculosis of Respiratory System ...	3	6	9
10. Other Tubercular Diseases	2	2	4
11. Syphilis	—	—	0
12. General Paralysis of the Insane, tabes dorsalis, etc.	2	—	2
13. Cancer	22	25	47
14. Diabetes	2	3	5
15. Cerebral Haemorrhage	4	8	12
16. Heart Disease	44	39	83
17. Aneurysm	—	—	0
18. Other Circulatory Diseases	9	12	21
19. Bronchitis	3	3	6
20. Pneumonia (all forms)	5	3	8
21. Other Respiratory Diseases	2	1	3
22. Septic Ulcer	1	1	2
23. Diarrhoea (under 2 years of age) ...	—	1	1
24. Appendicitis	—	1	1
25. Cirrhosis of the Liver	—	—	0
26. Other Diseases of the Liver	—	3	3
27. Other Digestive Diseases	1	5	6
28. Acute and Chronic Nephritis	5	10	15
29. Puerperal Sepsis	—	1	1
30. Other Puerperal Diseases	—	—	0
31. Congenital Debility, Premature Births, etc.	9	9	18
32. Senility	5	6	11
33. Suicide	—	2	2
34. Other Deaths from Violence	13	1	14
35. Other defined Diseases	8	11	19
36. Ill-defined or Unknown	—	—	0
	141	155	296

TABLE 2

INFANT MORTALITY

Nett Deaths from stated Causes at various ages under 1 Year of Age.

Cause of Death	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 month	1-3 Months	3-6 Months	6-9 Months	9-12 Months	Total under 1 Year
	Premature Birth	7	2	—	—	9	2	—	—	—
Broncho Pneumonia	—	—	—	—	—	—	—	1	—	1
Congenital Malformations, &c....	—	—	—	—	—	1	2	—	—	3
Debility and Marasmus...	1	1	—	—	2	—	—	—	—	2
Suffocation; overlaying	—	—	—	—	—	—	—	—	—	—
Injury at Birth	—	1	—	—	1	—	—	—	—	1
Convulsions	—	—	—	—	—	—	—	—	—	—
Heart Failure	—	—	—	—	—	1	—	—	—	1
Enteritis	—	—	—	—	—	1	—	—	—	1
Totals	8	4	—	—	12	5	2	1	—	20

Deaths.—The number of deaths (corrected by R.G.) is 296; 141 males and 155 females.

Thirty-four deaths occurred in the Warrington Corporation Sanatorium (Hefferston Grange, Weaverham). All these deaths were outwardly transferable.

There was one maternal death; and 20 deaths of infants under one year of age. Table 2 shows the causes of infantile deaths.

Twenty inquests were held during the year, the findings being as follows :—

Suicide	...	...	...	One
Natural Causes		...	...	Eight
Accidental Causes		...	...	Eleven

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

Public Health Officers :—

Medical Officer of Health	...	...	Part Time
Engineer and Surveyor	...	...	Whole Time
Chief Sanitary Inspector	...	...	Whole Time
Additional Sanitary Inspector	...	...	Whole Time

(a) **Laboratory Facilities.**—Sputum specimens from suspected cases of tuberculosis are examined by the County Tuberculosis Officer at Chester. Throat swabs are examined at the Public Health Laboratory of Manchester University. Examinations of blood for suspected cases of the typhoid group of diseases and other conditions are done at the same laboratory.

Samples of milk and other foods taken under the Food & Drugs (Adulteration) Act, 1928, are submitted to S. E. Melling, Esq., F.I.C., the Public Analyst for the County of Cheshire.

The chemical analysis and bacteriological examination of water and other samples are performed by the Public Health Laboratory of Manchester University, Messrs. Melling & Ardern of Manchester, and the Laboratory in connection with the Chester Royal Infirmary.

(b) **Ambulance Facilities.**—Cases of Infectious disease are removed in an ambulance which is maintained at the Joint Isolation Hospital, Davenham.

For general accident cases ambulances are available at Hitchen's Garage, Castle Street, Northwich, the Fire Station, Northwich (British Red Cross), and at the Memorial Cottage Hospital, Tarporley. Imperial Chemical Industries (Alkali) Limited maintain ambulances at each of their works for the use of their workpeople.

(c) **Nursing in the Home.**—The Cheshire County Nursing Association provides a system of nursing which covers the whole of the Rural District. Imperial Chemical Industries (Alkali) Limited provide nurses for their own employees.

The Midwives are supervised by the County Council.

List of Midwives and District Nurses in the Area.

Note:—Midwives marked with a † are also district Nurses.
Midwives marked with a * are County Midwives.

	Nurse	Arnold, Mount Pleasant Farm, Davenham.
†	,,	Bayes, 11, Regent Street, Moulton.
	,,	Creegan, 87, Manchester Rd., Lostock Gralam.
	,,	Cullis, Runcorn Road, Little Leigh.
†	,,	Cotterill, 315, London Road, Davenham.
	,,	Davies, 3, Pickmere Lane, Wincham.
	,,	Dudley, "Mayville," 55, Northwich Rd., Weaverham.
	,,	Dean, "Yew Tree Farm," Little Budworth.
†	,,	Evans, The Cottage, Cuddington.
†	,,	Edwards, 2, West Road, Weaverham.
†	,,	Evans, 49, Wallerscote Road, Owley Wood, Weaverham.
	,,	Jones, Hill Top, Sandy Lane, Weaverham.
*	,,	Jones, 71, East Avenue, Rudheath.
	,,	Jones, 5, Cross Street, Barnton.
	,,	Lewis, Mill House, Crowton.
	,,	Lynch, 9, West Avenue, Rudheath.
*	,,	Orme, 95, Victoria Road, Northwich.
†	,,	Povall, Wayside Bungalow, Cotebrook, Utkinton.
	,,	Williams, 11, Fairholme Rd., Mereheath, Davenham.

(d) **Treatment Centres and Clinics.**—The Cheshire County Council provides a Tuberculosis Dispensary at the Mid-Cheshire Orthopædic Clinic, Northwich.

The Rural District is served by Child Welfare Centres at:-

Parkfield, Middlewich Road, Northwich.
Darland House, Northwich.
Parish Hall, Tarporley.
Reading Room, Utkinton.
Parish Hall, Weaverham.
The Parsonage, Weaver Street, Winsford.

An ante-natal service is available whereby any expectant mother may be examined by a doctor of her own choice.

The Cheshire County Council is the Maternity and Child Welfare Authority.

(e) **Hospitals.**—The Victoria Infirmary, Northwich, the Albert Infirmary, Winsford, and the Tarporley and District Memorial Cottage Hospital are available for the treatment of surgical cases.

The Mid-Cheshire Orthopædic Clinic, Northwich (adjoining the Victoria Infirmary), is specially equipped and staffed for X-Ray examinations and massage, electrical and artificial sunlight treatment. A consultant in X-Ray work visits the Clinic and reports on special cases if required.

The Council subscribe to the funds of The Victoria Infirmary, Northwich, The Manchester Royal Eye Hospital, The Manchester Royal Infirmary, The Chester Royal Infirmary, and to the Manchester and Salford Medical Charities Fund.

The Public Assistance Committee of the Cheshire County Council provides accommodation for medical cases at its Institution, London Road, Northwich.

Accommodation for cases of Infectious Disease is provided by the Northwich Rural and Northwich, Middlewich and Winsford Urban Hospital Committee at their hospital at Davenham. Cases of smallpox are isolated in their hospital at Marbury.

Arrangements for the treatment of, and a specialist's opinion on maternity cases are made by the County Medical Officer when requested by the local practitioners, and also for pathological investigations in cases of Puerperal Fever and Puerperal Pyrexia.

**URBAN POWERS OBTAINED, ACTS ADOPTED,
AND BYE-LAWS MADE.**

(NOTE : These apply to the whole District, unless
stated otherwise.)

Act	Section	Subject	Date of Order (O) or of Resolution of Adoption (R) or of Byelaws made (B)
Public Health Act, 1875.	42.	Watering of Streets. Hartford and Lostock Gram.	(O) July 8th, 1910.
	44	Cleansing of Footways and Pavements, Removal of House Refuse and Cleansing of Earth Closets, Privies, Ashpits and Cesspools.	(B) Nov. 22nd, 1878.
	39	Public Conveniences. Barnton.	(O) Aug. 20th, 1928.
	66	Provision of Fire plugs. Acton, Barnton, Cuddington, Daven- ham, Hartford, Lostock Gra- lam, Marston, Moulton, Oakmere, Stanthorne, Wea- verham and Wincham.	(O) April 8th, 1892.
	80	Common Lodging Houses.	(B) Nov. 22nd, 1878.
	112) 113) 114)	Offensive Trades. Lostock Gram.	(O) Aug. 24th, 1883.
	114	Offensive Trades. Acton.	(O) Oct. 14th, 1913.
	155	Regulation of Building Line. Anderton, Barnton, Daven- ham, Hartford, Lostock Gra- lam, Moulton, Rudheath, Weaverham, Wincham.	(O) Aug. 19th, 1914.
	157	New Streets and Buildings. (Separate Orders for some Parishes had already been obtained but this Order was for all Parishes not included in previous Orders.)	(O) July 6th, 1914. (B) Mar. 8th, 1929.

Date of Order (O)
or of Resolution of
Adoption (R) or of
Byelaws made (B)

Act	Section	Subject	Date of Order (O) or of Resolution of Adoption (R) or of Byelaws made (B)
	160.	Naming Streets and Numbering Houses. Barnton, Davenham, Lostock Gralam, Marston, Rudheath, Wincham, Hartford, Weaverham.	(O) Oct. 26th, 1896. (O) Mar. 11th, 1913.
	160.	Ruinous and Dangerous Buildings. Anderton, Barnton, Comberbach, Davenham, Lostock Gralam, Marbury, Marston, Marton, Moulton, Rudheath, Wincham.	(O) Nov. 8th, 1920.
	161	Lighting Streets. Weaverham. Rudheath. Cuddington.	(O) Nov. 12th, 1928. (O) Oct. 28th, 1929. (O) Dec. 10th, 1936.
	169. (pars. 2 and 3) 170	Regulation of Slaughterhouses.	(O) May 15th, 1908. (B) July 8th, 1910.
Public Health (Buildings in Streets) Act, 1888.	3	Front Line of Buildings. Anderton, Barnton, Davenham, Hartford, Lostock Gralam, Moulton, Rudheath, Weaverham, Wincham.	(O) Aug. 19th, 1914.
Infectious Disease (Prevention) Act 1890.		Infectious Disease Prevention.	(R) Jan. 16th, 1891.
Public Health Acts Amend- ment Act, 1890.	Part 3	Sanitary and other provisions.	(R) Jan. 16th, 1891.
	Part 4	Music and Dancing.	(O) Jan. 16th, 1935.
Public Health Acts Amend- ment Act, 1907.	23	What is deemed to be a New Building.	(O) Feb. 5th, 1929.
	27	Temporary Buildings. Marston and Wincham.	(O) Aug. 9th, 1926.

Act	Section	Subject	Date of Order (O) or of Resolution of Adoption (R) or of Byelaws made (B)
	32	Hoardings to be securely erected.	(O) May 7th, 1909.
	94	Licensing of Pleasure Boats. Marston and Wincham.	(O) Nov. 1st, 1934.
	39-42	Conversion of Pail Closets. Barnton, Davenham, Lostock, Gralam, Moulton, Weaver- ham.	(O) May 21st, 1935.
Public Health Act, 1925.	14	Erection of Seats in Streets. Barnton.	(O) April 17th, 1934.
	43	Nuisances caused by occupation of tents, vans, etc.	(R) Feb. 21st, 1930.
	13	Receptacles for Litter. Weaverham. Barnton.	(O) Feb. 28th, 1935. (O) Oct. 22nd, 1936.

SANITARY CIRCUMSTANCES OF THE AREA

Water.—The water supplies throughout the Council's area are subjected to periodic chemical analysis and bacteriological examination and on pages 14 to 19 are given the latest reports.

The main well at Eaton village and the majority of supplies in the Parishes of Utkinton and Rushton are far from satisfactory and the Council having no alternative supply have advised the inhabitants to boil all water before use for domestic purposes. There seems little hope of a public supply being rendered available for these parishes until the requirements of the Ministry of Health for the submission of a comprehensive scheme of water supply for the whole district have been complied with. This question is dependent on the joint action of local authorities in Mid-Cheshire, steps towards which are now proceeding.

With regard to the supply to the Number 1 District, drought periods caused serious concern to the Council during the year, not so much from a reduction in yield as from an increased consumption. The normal yield at these works is about 600,000 gallons per day, as compared with a normal consumption of 500,000 gallons per day, but in times of drought the yield is reduced by about 10 per cent. and the consumption increases by 20 per cent. It has been necessary therefore to draw large quantities of water from the Northwich Urban District Council's supply through the medium of the interconnecting by-pass at Hartford. This has a very adverse effect upon the pressure in the Urban Council's aqueduct on which Numbers 2 and 3 District depend for their entire supply. In consequence all the high levels in these districts are frequently without a supply for parts of several days per week and at times for whole days, depending on consumption. This fact has affected the supply to large parts of the Parish of Allostock and to the storage tanks of the Davenham Isolation Hospital, and it is therefore apparent that something should be done at the earliest opportunity to improve the supply to these areas either by joint action with the Northwich Urban District Council, or otherwise.

The pressure to certain parts of the Parish of Tarporley, which receives its supply from the Liverpool Corporation Aqueduct, was inadequate, due to the fact that the mains

were in urgent need of cleansing. The work of cleansing these mains has now been put in hand.

Complaints have been received from consumers in Little Budworth, Marton and Stanthorne areas who are supplied from the mains of the Winsford Urban District Council, of serious discolouration of the water. Frequent flushing of the mains has had to be resorted to.

It is rather disappointing that the Council should be in difficulties with the supply of water having regard to the fact that the new borehole at Eddisbury, which was sunk three years ago and tested to yield a million gallons per day, is still not available for service. The proper introduction of this additional supply would remove all the Council's difficulties, in regard to quantity, quality and pressure.

TABLE 3

COMPREHENSIVE WATER SCHEME

SCHEME No. 1.

Source of Supply:—

Northwich Rural Council's Water Works, Crabtree Green, Oakmere.

Parishes Supplied:—

Acton, Anderton, Barnton, Comberbach, Crowton, Cuddington, Hartford, Little Leigh, Marbury (part), Weaverham and

RUNCORN RURAL DISTRICT—Parish of Great Budworth, and part of Parish of Seven Oaks.

SCHEME No. 2.

Source of Supply:—

Water obtained in bulk from Northwich Urban District Council, Sandiford Borehole, Delamere.

Parishes Supplied:—

Allostock, Byley, Lach Dennis, Lostock Gralam, Nether Peover, Rudheath, Whatcroft, Wincham, (part).

BUCKLOW RURAL DISTRICT—Parish of Plumbley, and part of Parishes of Pickmere and Lower Peover.

CONGLETON RURAL DISTRICT—Part of Parishes of Leese and Cranage.

SCHEME No. 3.

Water obtained in bulk from Northwich Urban District Council.

Source of Supply :—

Sandiford Borehole, Delamere.

Parishes Supplied:—

Davenham and Moulton.

SCHEME No. 4.

Water supplied in bulk from Winsford Urban District Council.

Source of Supply:—

Little Budworth.

Parishes Supplied :—

Little Budworth, Marton, Darnhall (part).

WINSFORD URBAN DISTRICT—Whitegate and Vale Royal Area.

SCHEME No. 5.

Northwich Rural District Council's Waterworks.

Source of Supply:—

Crabtree Green, Oakmere.

Parishes Supplied:—

Delamere and Oakmere, Little Budworth (part),
Marton (part).

TARVIN RURAL DISTRICT—Parishes of Kelsall
and Tarvin.

SCHEME No. 6.

Water obtained in bulk from Winsford Urban District
Council.

Source of Supply:—

Little Budworth.

Parishes Supplied:—

Sproston (part), Stanthorne (part) and Wimboldsley.

NANTWICH RURAL DISTRICT—Part of Parish
of Warmingham.

SCHEME No. 7.

Water obtained from Middlewich Urban District.

Source of Supply:—

Borehole, Delamere.

Parishes Supplied:—

Bostock (part), Sproston (part), and Stanthorne
(part).

SCHEME No. 8.

Northwich Rural District Council's Water Works.

Source of Supply:—

Aston-by-Budworth.

Parishes Supplied:—

Marbury (part), Marston and Wincham (part).

SCHEME No. 9.

Water obtained from Liverpool Corporation Aqueduct.

Source of Supply:—

Lake Vyrnwy.

Parishes Supplied:—

Tarporley (part) and Rushton (part).

PRIVATE SOURCES.—In addition to these Schemes there
are four private Estate Schemes supplying Bostock
(part), Darnhall (part), Delamere (part), Rushton (part)
and Utkinton (part).

COPY OF REPORT upon a Sample of Water received from Inspector J. S. Carrie.

Number 729.

Description, Sample of Water from Brook Road, Tarporley (Liverpool Supply).

Date and hour of collection, 17th Jany, 1939.

Date of Receipt, Same day.

BACTERIOLOGICAL EXAMINATION

No. of colonies developing on			per c.c.
Agar-agar media at 20°C, ...	Total	...	8
	Liquefying..	...	

No of colonies developing on			
Agar-agar media at 37°C, ...	...	...	5

Excretal B. Coli:—

Absent in 1 c.c. (5 tubes); 10 c.c. (5 tubes); 50 c.c. (1 tube).

Present in —

Probable No. of organisms per 100 c.c. of original water 0.

OPINION. Water of sound bacteriological condition.

(Sgd.) S. ERNEST MELLING,

20th January, 1939.

County Analyst.

COPY OF REPORT upon a Sample of Water received from Inspector J. S. Carrie.

Number, 730.

Description, Sample of Water from Town Well, Eaton Village.

Date and hour of collection, 17th Jany, 1939.

Date of Receipt, Same day.

BACTERIOLOGICAL EXAMINATION

No. of colonies developing on			per c.c.
Agar-agar media at 20°C, ...	Total	...	100
	Liquefying..	...	

No. of colonies developing on			
Agar-agar media at 37°C, ...	...	...	17

Excretal B. Coli:—

Absent in 1 c.c. (5 tubes); 10 c.c. (3 tubes).

Present in 10 c.c. (2 tubes); 50 c.c. (1 tube).

Probable No. of organisms per 100 c.c. of original water 5.

OPINION. This water is very definitely of border-line quality and the supply calls for further attention in the near future. This opinion gains force by the fact that, in extending the fermentation tests (coli-aerogenes) for a further 24 hours, the Probable Number increased to 90.

(Sgd.) S. ERNEST MELLING,

20th January, 1939.

County Analyst.

COPY OF REPORT upon a Sample of Water received from Inspector J. S. Carrie.

Number, 731.

Description, Sample of water from Shrewsbury Arms Hotel, Little Budworth.

Date and hour of collection, 17th Jany, 1939.

Date of Receipt, Same day.

BACTERIOLOGICAL EXAMINATION

No. of colonies developing on			per c.c.
Agar-agar media at 20°C, ...	Total	...	84
	Liquefying..	...	...

No of colonies developing on			
Agar-agar media at 37°C, ...	...	...	4

Excretal B. Coli:—

Absent in 1 c.c. (5 tubes); 10 c.c. (5 tubes); 50 c.c. (1 tube).

Present in —

Probable No. of organisms per 100 c.c. of original water 0.

OPINION. Water of sound bacteriological condition.

(Sgd.) S. ERNEST MELLING,

20th January, 1939.

County Analyst.

COPY OF REPORT upon a Sample of Water received from Inspector J. S. Carrie.

Number, 732.

Description, Sample of Water from Peck Mill House, Bostock.

Date and hour of collection, 17th Jany, 1939.

Date of Receipt, Same day.

BACTERIOLOGICAL EXAMINATION

No. of colonies developing on			per c.c.
Agar-agar media at 20°C, ...	Total	...	9
	Liquefying..	...	...

No. of colonies developing on			
Agar-agar media at 37°C, ...	...	...	—

Excretal B. Coli:—

Absent in 1 c.c. (5 tubes); 10 c.c. (5 tubes); 50 c.c. (1 tube).

Present in 9.

Probable No. of organisms per 100 c.c. of original water 0.

OPINION. Water of sound bacteriological condition.

(Sgd.) S. ERNEST MELLING,

20th January, 1939.

County Analyst.

COPY OF REPORT upon a Sample of Water received from Inspector J. S. Carrie.

Number, 733.

Description, Sample of water from No. 197, London Road, Davenham.

Date and hour of collection, 17th Jany, 1939.

Date of Receipt, Same day.

BACTERIOLOGICAL EXAMINATION

No. of colonies developing on		per c.c.
Agar-agar media at 20°C, ...	Total ...	9
	Liquefying..	...

No of colonies developing on		
Agar-agar media at 37°C, ...	...	2

Excretal B. Coli:—

Absent in 1 c.c. (5 tubes); 10 c.c. (5 tubes); 50 c.c. (1 tube).

Present in —

Probable No. of organisms per 100 c.c. of original water 0.

OPINION. Water of sound bacteriological condition.

(Sgd.) S. ERNEST MELLING,

20th January, 1939.

County Analyst.

COPY OF REPORT upon a Sample of Water received from Inspector J. S. Carrie.

Number 734.

Description, Marston Lane, Marston.

Date and hour of collection, 17th Jany, 1939.

Date of Receipt, Same day.

BACTERIOLOGICAL EXAMINATION

No. of colonies developing on		per c.c.
Agar-agar media at 20°C, ...	Total ...	230
	Liquetying..	...

No. of colonies developing on		
Agar-agar media at 37°C, ...	...	18

Excretal B. Coli :—

Absent in 1 c.c. (5 tubes); 10 c.c. (5 tubes).

Present in 50 c.c. (1 tube).

OPINION. This is another "border-line" case, in which an additional 24 hours' incubation gives a Probable Number of 25, and the counts are also very high in comparison with the other samples. This supply obviously calls for inquiry in the near future.

(Sgd.) S. ERNEST MELLING,

20th January, 1939.

County Analyst.

COPY OF REPORT upon a Sample of Water received from Inspector J. S. Carrie.

Number 735.

Description, Sample of Water from Crabtree Green Waterworks.

Date and hour of collection, 17th Jany, 1939.

Date of Receipt, Same day.

BACTERIOLOGICAL EXAMINATION

No. of colonies developing on		per c.c.
Agar-agar media at 20°C, ...	Total ...	11
	Liquefying..	...

No. of colonies developing on			
Agar-agar media at 37°C, ...	...	...	4

Excretal B. Coli:—

Absent in 1 c.c. (5 tubes); 10 c.c. (5 tubes); 50 c.c. (1 tube).

Present in —

Probable No. of organisms per 100 c.c. of original water 0.

OPINION. Water of sound bacteriological condition.

(Sgd.) S. E. MELLING,

20th January, 1939.

County Analyst.

COPY OF REPORT upon a Sample of Water received from Inspector J. S. Carrie.

Number 736.

Description, Sample of Water from the Fox & Hounds, Sproston.

Date and hour of collection, 17th Jany, 1939.

Date of Receipt, Same day.

BACTERIOLOGICAL EXAMINATION

No. of colonies developing on		per c.c.
Agar-agar media at 20°C, ...	Total ...	6
	Liquefying..	...

No. of colonies developing on			
Agar-agar media at 37°C, ...	...	...	4

Excretal B. Coli:—

Absent in 1 c.c. (5 tubes); 10 c.c. (5 tubes), 50 c.c. (1 tube).

Present in —

Probable No. of organisms per 100 c.c. of original water 0.

OPINION. Water of sound bacteriological condition.

(Sgd.) S. ERNEST MELLING,

20th January, 1939.

County Analyst.

DRAINAGE, SEWERAGE AND SEWAGE DISPOSAL

The work of carrying out the new Cuddington Sewerage and Sewage disposal scheme has been continued during the year, this scheme when completed will obviate the nuisances from the disposal of sewage by means of private septic tanks and soakaways.

The question of dealing with trade effluent from a Creamery in the Parish of Cuddington has been considered and a scheme prepared for submission to the owners.

No further developments have taken place in the joint sewerage scheme with the Tarvin Rural District Council which was to take in part of the Parish of Delamere. An inquiry was held by an Inspector of the Ministry of Health and it is understood that the site of the outfall works did not meet with approval. We are now awaiting the revised proposals of the Tarvin Rural District Council.

Owing to the Council having prepared a five-year plan under which annual expenditure is controlled with a view to rate stabilisation, the proposed new sewerage scheme for the Parish of Weaverham has had to be deferred for the present.

RIVERS AND STREAMS

Inspections for the abatement of nuisances revealed a number of cases of pollution of streams and ditches by sewage effluents from private houses, farms, etc. These cases were taken up with the owners of the property involved and the nuisances abated.

In one case the drainage from two premises was found to discharge into a disused stone quarry which had become filled with surface water. Works for diverting the drainage to a more suitable outfall were under consideration at the close of the year.

PUBLIC CLEANSING

(a) By Contractors :—

SCAVENGING CONTRACTS, 31st December, 1938.

TABLE 4

Acton	18 Refuse at 7/9.333	7 0 0	
	13 Pails at 13/1	8 10 0	
		<hr/>	15 10 0
Anderton	101 Refuse at 6/4.039	32 0 0	
	57 Pails at 12/3.368	35 0 0	
		<hr/>	67 0 0
Weaverham	191 Pails at 13/8.607	131 0 0	131 0 0
Rudheath	1081 Refuse at 5/11.71	323 0 0	
	31 Pails at 6/-	9 6 0	
		<hr/>	332 6 0
Wincham & Marston	414 Refuse at 4/4.173	90 0 0	
	351 Pails at 8/6.564	150 0 0	
		<hr/>	240 0 0
Cuddington	370 Refuse at 8 6.699	158 6 7	
	55 Pails at 16/-	44 0 0	
		<hr/>	202 6 7
Stanthorne	24 Refuse at 7/3.272	8 14 6	8 14 6
Little Budworth ...	60 Refuse at 6/8	20 0 0	20 0 0
Marton	86 Refuse at 4/7.674	19 19 0	19 19 0
Comberbach	139 Refuse at 6 0.517	42 0 0	
	94 Pails at 8 11.23	42 0 0	
		<hr/>	84 0 0
Bostock	8 Pails at 2d. per pail per wk.(cleansed f'nightly)	3 9 4	
	8 Refuse at 2d. per house per week	3 9 4	
		<hr/>	6 18 8
Darnhall	4 Pails at 2d. per pail per week	1 14 8	
	4 Refuse at 2d. per house per week	1 14 8	
		<hr/>	3 9 4
Rushton, Tarporley & Utkinton	629 Refuse at 5/0.1	157 10 0	157 10 0
			<hr/>
			1288 14 1

SUMMARY :

Refuse £863 14s. 1d.
Pails .. £425 0s. 0d.

(b) **By Direct Labour.**

The scheme provides for the collection of house refuse in six Parishes: in Hartford Parish weekly, and in the Parishes of Barnton, Moulton, Lostock Gram, Davenham and Weaverham fortnightly.

Collection is done by a 10 cubic yard "SD" freighter with one driver and four loaders.

The depot at the rear of Whitehall, Hartford, has accommodation for five vehicles, repair shop, mess room and sanitary accommodation.

TABLE 5

Parishes	Own Vehicle				Hired Vehicle				Total			
	Loads		Premises collected from		Loads		P'mises ctd. fm.		Loads		Premises collected from	
	38/39	37/8	1938/9	1937/8	8/9	7/8	8/9	37/8	38/39	37/8	1938/9	1937/8
Hartford ...	213 $\frac{3}{4}$	193 $\frac{3}{4}$	28845	27436	2	1 $\frac{1}{2}$	131	58	215 $\frac{3}{4}$	194 $\frac{1}{4}$	28976	27494
Barnton ...	252	212 $\frac{1}{2}$	25610	24079	—	15	—	857	252	227 $\frac{1}{2}$	25610	24936
Moulton ...	94 $\frac{3}{4}$	94 $\frac{1}{4}$	8192	7809	—	—	—	—	94 $\frac{3}{4}$	94 $\frac{1}{4}$	8192	7809
Lostock Glm. ...	79 $\frac{1}{4}$	75 $\frac{3}{4}$	8713	8175	4	—	137	—	83 $\frac{1}{4}$	75 $\frac{3}{4}$	8850	8175
Davenham ...	174 $\frac{1}{4}$	137 $\frac{1}{2}$	17929	15953	4	12 $\frac{3}{4}$	204	543	178 $\frac{1}{4}$	150 $\frac{1}{4}$	18133	16496
Weaverham ...	233 $\frac{3}{4}$	199 $\frac{3}{4}$	22739	21906	7	9 $\frac{1}{2}$	242	627	240 $\frac{3}{4}$	209 $\frac{1}{4}$	22981	22533
Totals ...	1047 $\frac{3}{4}$	913 $\frac{1}{2}$	112028	105358	17	37 $\frac{3}{4}$	714	2085	1064 $\frac{3}{4}$	951 $\frac{1}{4}$	112742	107443

The above table shows the work done during the year 1st April, 1938, to 31st March, 1939, as compared with the figures for the previous year. It will be seen that an extra 113 $\frac{1}{2}$ loads were removed, weighing approximately 340 tons. The whole of the refuse collected was utilized for reclaiming low lying land in the various parishes.

The total cost of this work was £1,227, which is allocated as follows:—

Refuse Collection and Disposal—	£	£
Wages	766	
Superannuation Contributions ...	34	
Uniforms and other clothing ...	8	
Maintenance of Tips	36	
Disinfectant	2	
Hired Haulage	28	
Other expenses	3	
	—	877

Motor Vehicle—	£	£
Petrol, oil, etc.	90	
Tax and Insurance	57	
Maintenance and Repairs	28	
Loan charges	122	
	—	297
Depot—		
Capital Outlay defrayed out of Revenue, etc.	20	
Loan charges	33	
	—	53
		£1227

The unit costs for this year as compared with last year are shown below.

	1938/39	1937/38
Cost per load	1 3 0½	1 4 8½
Cost per ton (estimated at 3 tons per load) ...	7 8	8 3
Cost per house, average weekly collection ...	11 3½	11 2½
Cost per house in Parishes with fortnightly collection	5 7¾	5 7¼

The slight increase in the cost per house is accounted for by the increased total cost and the additional work done.

The figures are based on the number of premises existing at the 1st April, 1938, as shewn in the following table.

TABLE 6

Parishes	No of Premises 1st April, 1938
Hartford	560
Barnton	985
Moulton	313
Lostock Gralam	342
Davenham	696
Weaverham	890
Total	3786

TABLE 7
SANITARY OFFICERS' (Outside London) REGULATIONS, 1935.
ARTICLE 27 (18)

Statement of Inspections made and Notices issued

Number and Nature of Inspections made	Number	Informal Notices		Statutory Notices	
		Issued	Complied with	Issued	Complied with
1. Dwelling Houses (General Inspection) ...	571	16	14	69	35
2. Dwelling Houses (Overcrowding) ...	98	3	3	...	...
3. Moveable Dwellings ...	27	7	7	...	...
4. Sanitary Accommodation to Dwellings ...	414	1	1	...	...
5. Drainage, Septic Tanks and Cesspools ...	138	18	17	...	...
6. Ditches and Watercourses ...	38	3	3	...	...
7. Offensive Accumulations ...	8	3	3	...	...
8. Keeping of Animals ...	8	...	...	...	...
9. Provision of Ashbins ...	114	100	100	...	...
10. Supervision of Refuse Collection ...	6378	5	5	...	...
11. Supervision of Refuse Tips ...	34	...	...	...	...
12. Slaughterhouses ...	96	...	...	...	...
13. Bakehouses and other places where food is prepared ...	4	...	...	...	...
14. Dairies and Cowsheds ...	33	2	2	...	...
15. Factories, etc. ...	7	2	2	...	...
16. Protection and Sampling of Water Supplies ...	146	...	...	...	...
17. Canal Boats ...	4	...	...	...	...
18. Infectious Disease, Investigations and disinfections ...	166	...	...	...	...
19. Schools, Inspection and Disinfection ...	57	...	...	...	...
20. Disinfestation of Premises ...	63	...	...	...	...
21. Deratisation of Premises ...	7	1	1	...	...
22. Miscellaneous ...	16	...	...	...	...
TOTALS ...	8,427	161	158	69	35

Canal Boats.—Four boats were inspected under the Canal Boats Regulations. They all complied with the requirements of the regulations.

Shops.—These are subject to routine inspection. It was not necessary to take any action under the Shops Act, 1934, during the year.

Smoke Abatement.—The character of the district does not call for great activity under this heading. No action was taken in this connection under the Public Health (Smoke Abatement) Act, 1926, or the Public Health Act, 1936.

Swimming Baths and Pools.—There are three privately owned swimming baths in the district which are open to the public. These are each equipped with a system of chlorination. Swimming is also done in the rivers and lakes. It has not been necessary to take any action in connection with these.

ERADICATION of BED BUGS & other INSECT PESTS:

(a) **Council Houses.** Sixteen houses owned by the Council were found, or suspected, to be infested with bed bugs; these were dealt with by spraying with "Zaldecide," a proprietary insecticide. Nine houses infested with other insect pests were dealt with by supplying insecticide powder to the tenants.

(b) **Other Houses.** Thirty privately owned houses were found, or suspected, to be infested with bed bugs and eight with other insect pests; all these cases were similarly treated.

The whole of this work was done by the Council's Disinfecter, Mr. S. Lamb.

No arrangements are in force for the disinfestation of the belongings of ingoing Council house tenants, but your officers endeavour by following up visits to ensure that houses disinfested are kept clear.

PUBLIC ELEMENTARY SCHOOLS

The number of Elementary Schools in the district at the close of the year was twenty-eight and at Tarporley there is a handicraft centre. Twenty-five of these and the handicraft centre are supplied with water from the Council's mains and three from private sources.

The following table gives details of the water supply, drainage and sanitary accommodation.

TABLE 8.

Parish	Number of Schools	Water Supply	Drainage outfall	Sanitary accommodation
Allostock	... 1 ...	Council's Main	Tank System	Pail closets
Barnton	... 3 ...	Council's Main	Public Sewer	Water closets
Byley	... 1 ...	Council's Main	Tank System	Pail closets
Comberbach	... 1 ...	Council's Main	Public Sewer	Pail closets
Crowton	... 1 ...	Council's Main	Tank System	Pail closets
Cuddington	... 1 ...	Council's Main	Tank System	Pail closets
Davenham	... 1 ...	Council's Main	Public Sewer	Pail closets
Delamere	... 1 ...	Council's Main	Tank System	Water closets
Hartford	... 1 ...	Council's Main	Public Sewer	Water closets
Little Budworth	1	Council's Main	Tank System	Pail closets
Little Leigh	... 1 ...	Council's Main	Tank System	Pail closets
Lostock Gralam	1	Council's Main	Public Sewer	Water closets
Marston	... 1 ...	Council's Main	Public Sewer	Pail closets
Moulton	... 1 ...	Council's Main	Public Sewer	Water closets
Nether Peover	1	Council's Main	Tank System	Pail closets
Rudheath	... 2 ...	Council's Main	Public Sewer	Water closets
"	... 1 ...	Council's Main	Tank System	Pail closets
Rushton	... 1 ...	Private Supply	Road Drains	Pail closets
Tarporley	... 3 ...	Council's Main	Public Sewer	Water closets
Utkinton	... 2 ...	Private Supply	Road Drains	Pail closets
Weaverham	... 1 ...	Council's Main	Public Sewer	Water closets
Wimboldsley	1	Council's Main	Public Sewer	Pail closets
Wincham	... 1 ...	Council's Main	Public Sewer	Pail closets

For list of schools closed during the year see Page 36.

PETROLEUM ACTS

Seven new licences were granted and fifty-five were renewed, for the storage of petroleum.

HOUSING

The following housing schemes have been completed during the year :—

- Tarporley—26 houses
- Rushton—8 houses
- Utkinton—8 houses
- Allostock—8 houses

The proposed housing scheme for Barnton has been temporarily deferred pending the construction of the street by the County Council. When this has been completed the Council will then reconsider the question as to the number of houses to be built.

TABLE 9

**New Houses Erected and Occupied during
the year 1938**

Parishes	Private Enterprise	N. R. D. C. Non-Subsidy	Total
Acton	—	—	—
Allstock	—	8	8
Anderton	—	—	—
Barnton	10	—	10
Bostock	—	—	—
Byley	—	—	—
Comberbach	6	—	6
Crowton	2	—	2
Cuddington	11	—	11
Darnhall	—	—	—
Davenham	13	—	13
Delamere	8	—	8
Hartford	7	—	7
Lach Dennis	—	—	—
Little Budworth	—	—	—
Little Leigh	—	—	—
Lostock Gralam	3	—	3
Marbury	—	—	—
Marston	—	—	—
Marton	3	—	3
Moulton	—	—	—
Nether Peover	4	—	4
Oakmere	—	—	—
Rudheath	20	—	20
Rushton	—	8	8
Sproston	—	—	—
Stanthorne	—	—	—
Tarporley	8	26	34
Utkinton	—	8	8
Weaverham	11	—	11
Whatcroft	—	—	—
Wimboldsley	—	—	—
Wincham	1	—	1
Totals	107	50	157

HOUSING

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) ...	241
(b) Number of inspections made for the purpose.	571
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932	99
(b) Number of inspections made for the purpose	137
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	69
(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	42

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 ...	39
---	----

3.—ACTION UNDER STATUTORY POWERS DURING THE YEAR

A.—*Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936.*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	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 the Public Health Acts.

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	Nil.
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) by owners	Nil.
(b) by local Authority in default of owners	Nil.

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	49
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	15

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	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.

4.—HOUSING ACT, 1936 (Part IV.)—OVERCROWDING

(a) (i) Number of dwellings overcrowded at the end of the year	26
(ii) Number of families dwelling therein	26
(iii) Number of persons dwelling therein	188
(b) Number of new cases of overcrowding reported during the year	Nil.
(c) (i) Number of cases of overcrowding relieved during the year	10
(ii) Number of persons concerned in such cases	72½
(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	Nil.
(e) Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report	Nil.

INSPECTION & SUPERVISION OF FOOD

(a) **Milk Supply.** The following Table gives the number of producers and retailers registered under the Milk and Dairies Order and also the number of producers holding licences to produce designated milk :—

TABLE 10

PARISHES	Farms	Cows (approx)	Grade Proured			Retailers
			Ordinary	Accredited	Tuberculin Tested	
Acton	11	254	6	5	—	4
Allostock	30	564	13	17	—	3
Anderton	5	117	1	4	—	2
Barnton	9	135	6	3	—	11
Bostock	10	217	5	5	—	3
Byley	16	475	9	7	—	—
Comberbach	9	236	1	8	—	3
Crowton	26	552	12	14	—	2
Cuddington	10	152	9	1	—	5
Darnhall	24	854	15	9	—	3
Davenham	12	267	5	7	—	6
Delamere	31	518	20	10	1	5
Hartford	6	97	4	2	—	6
Lach Dennis	18	562	9	9	—	3
Little Budworth	41	948	32	9	—	3
Little Leigh	14	341	7	7	—	7
Lostock Gralam	13	368	5	8	—	8
Marbury	1	35	1	—	—	—
Marston	5	91	3	2	—	2
Marton	27	393	20	7	—	—
Moulton	3	43	3	—	—	6
Nether Peover	16	249	9	6	1	1
Oakmere	28	398	14	14	—	5
Rudheath	26	589	13	13	—	13
Rushton	30	973	10	20	—	5
Sproston	27	705	15	12	—	4
Stanthorne	12	379	3	9	—	4
Tarporley	21	287	13	7	1	11
Utkinton	28	651	16	12	—	1
Weaverham	24	655	14	10	—	14
Whatcroft	8	359	2	6	—	2
Wimboldsley	17	568	9	8	—	1
Wincham	9	181	4	5	—	6
Totals	567	13213	308	256	3	149

(b) **Meat and Other Foods.** The inspection of meat and other foods has received attention during the year. Visits paid to slaughter-houses involved Sunday inspections.

At the close of the year there were 26 private slaughter-houses on the register, 7 being registered and 19 subject to triennial licence. Six licences have been renewed during the year.

Meat surrendered as being unfit for human consumption was as follows :—

Beasts—11 whole carcasses and organs.

14 pairs lungs.

2 heads.

Swine—12 heads.

1 pluck.

Sheep— 2 livers.

Under the Slaughter of Animals Act, 1933, 72 slaughtermen hold licences; 1 has been renewed during the year. The provisions of the Act relating to mechanical stunning have not been applied to sheep, ewes, wethers, rams and lambs in this district.

Seven carcasses were examined in connection with the operation of the Tuberculosis Order of 1938. In one case the carcass was passed less the offals and in the other six cases the carcass and offals were found to be unfit for human food. The affected meat was surrendered in all cases and the figures are included in those given above.

Inspectors under the Diseases of Animals Acts, notified twenty-eight suspected cases of Anthrax, only one of which was confirmed by the Veterinary Surgeon. The affected farm was visited, the carcass burnt and the premises disinfected under police supervision.

(c) **Adulteration.** It has not been necessary to take any action under the Food and Drugs (Adulteration) Act, 1928; the officers of the Cheshire County Council carry out the principal duties under the Act.

(d) **Chemical and Bacteriological Examination of Food.** For list of laboratories carrying out this work see Page 6.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

Infectious Diseases, other than tuberculosis.—I regret that I have again to report a slight increase in the number of cases of infectious disease (other than tuberculosis) notified, compared with last year. The total number of cases notified in 1937 was 87; this year 93 notifications were received. At

the same time it is gratifying to report that the deaths from these notifiable diseases dropped from 18 in 1937 to 10 in 1938.

Of the cases of Scarlet Fever 8, or 14.3 per cent., and of the cases of diphtheria 1, or 7.7 per cent. were nursed at home.

Specimens were submitted for bacteriological examination as follows :—

TABLE 11

Examined for	Number Submtd.	Result	
		Positive	Negative
Diphtheria Bacilli	56	2	54
Bacillus typhosis, etc. .	2	—	2
Food Poisoning organisms, etc....	3	1	2

TABLE 12

Incidence of Notifiable Diseases (Other than Tuberculosis), during the Year 1938

Disease	Total Cases Notified	Cases Admitted to Hospital	Total Deaths
Scarlet Fever	56	48	...
Diphtheria	13	12	1
Enteric Fever	1	1	...
Pneumonia	12	...	8
Puerperal Pyrexia	7	2	1
Erysipelas	4	...	...

TABLE 13

Cases of Infectious Disease notified during the Year 1938, in age groups.

NOTIFIABLE DISEASE	At all ages	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 upwards
Smallpox	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	56	...	...	1	2	6	26	16	...	3	2	...	...
Diphtheria	13	...	...	1	...	1	4	3	...	3	1	...	...
Enteric Fever	1	...	...	...	...	...	...	...	1	...	...	...	...
Pneumonia	12	...	...	...	...	...	2	1	...	4	1	2	2
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	7	...	...	...	...	...	...	...	1	4	2	...	...
Erysipelas	4	...	...	...	...	...	...	...	...	...	1	3	...
Totals	93	0	0	2	2	7	32	20	2	14	7	5	2

Tuberculosis.—There were 45 new cases of tuberculosis added to the register during the year, 35 being by formal notification and 10 from other information. Fifty-three cases were removed from the register, 20 of these cases having recovered, 25 having removed from the district, and there were 8 deaths. Of the new cases added 19 were suffering from pulmonary tuberculosis and 26 from other forms.

Five sputum specimens were examined at the County Laboratory, three being reported on as positive.

The following table shows an analysis of new cases and deaths, under sex and age groups, the deaths shown being those cases which had previously been notified. According to the information supplied by the Registrar General, the total deaths from this disease were 13 (9 pulmonary; 4 non-pulmonary). These figures give a ratio of non-notified tuberculosis deaths as 38.5 per cent of the total tuberculosis deaths.

TABLE 14
TUBERCULOSIS
New Cases and Mortality during 1938

Age Periods	New Cases				Deaths			
	Respiratory		Non-Resptry.		Respiratory		Non-Resptry.	
	M.	F.	M.	F.	M.	F.	M.	F.
0 ... ..	...	...	...	...	...	...	...	...
1 ... ..	...	...	4	1	...	...	...	...
5 ... ..	...	...	11	4	...	...	...	1
15	2	...	2	1	...	...	1	...
25	3	5	1	2	...	1	...	...
35	2	1	...	...	1	1	...	...
45	3	...	...	...	1	...	...	...
55	1	...	...	...	1	...	...	...
65 and upwards	...	2	...	...	...	1	...	...
Totals ...	11	8	18	8	3	3	1	1

A person suffering from pulmonary tuberculosis was found to be employed in the milk trade. After informal action the person agreed not to carry on in this occupation.

General.—The distribution of cases of notifiable infectious disease over the various parishes of the district was as follows :—

TABLE 15

PARISHES	Scarlet Fever	Diphtheria	Enteric Fever	Pneumonia	Puerperal Pyrexia	Erysipelas	Tuberculosis		TOTAL
							Pul.	N. P.	
Acton	4	...	...	...	2	...	1	...	7
Allstock	...	...	...	1	...	...	...	...	1
Anderton	...	...	...	...	...	...	...	...	...
Barnton	2	...	...	...	1	...	4	3	10
Bostock	...	...	...	...	...	...	...	...	...
Byley	1	...	...	2	...	...	...	...	3
Comberbach	...	...	...	...	...	...	1	...	1
Crowton	2	...	...	1	...	...	1	...	4
Cuddington	...	2	...	...	...	...	1	...	3
Darnhall	2	...	...	1	...	...	...	...	3
Davenham	3	1	...	1	...	1	2	3	11
Delamere	5	...	...	1	...	...	1	4	11
Hartford	3	...	...	...	...	...	...	2	5
Lach Dennis	...	...	...	1	...	...	...	...	1
Little Budworth	...	...	...	...	...	...	...	...	...
Little Leigh	...	...	...	...	...	...	...	...	...
Lostock Gralam	4	5	...	1	...	...	2	2	14
Marbury	...	...	...	...	...	...	...	...	...
Marston	...	...	...	...	1	...	...	1	2
Marton	1	...	...	...	...	...	...	...	1
Moulton	7	...	...	...	1	...	...	...	8
Nether Peover	...	...	...	...	...	1	...	...	1
Oakmere	...	...	...	...	...	...	...	2	2
Rudheath	6	...	1	1	1	...	...	4	13
Rushton	1	...	...	...	...	...	1	...	2
Sproston	...	...	...	...	...	...	1	...	1
Stanthorne	...	...	...	...	...	...	...	...	...
Tarporley	1	2	...	...	...	...	1	1	5
Utkinton	...	...	...	1	...	...	1	...	2
Weaverham	14	3	...	...	1	1	1	4	24
Whatcroft	...	...	...	...	...	...	...	...	...
Wimboldsley	...	...	...	1	...	1	...	...	2
Wincham	...	...	...	...	...	...	1	...	1
Totals	56	13	1	12	7	4	19	26	138

One hundred and fifty-three houses were disinfected after the occurrence of cases of infectious disease. The figure includes houses disinfected after the removal of tuberculosis cases to Sanatoria or new residences.

All schools in the district were disinfected twice during the year—in the Summer and Christmas vacations and in addition one school was disinfected after closure on account of the prevalence of infectious disease.

School closures were as follows :—

School	Reason for Closure	From	To
Allostock	Decomposure of rat under floor boards.	12. 1. 38	(one day only)
Allostock	Measles.	10. 10. 38	21. 10. 38.

TABLE 16

Administration of the Factory and Workshop Act, 1901 the Factories Act, 1937 (which superseded the Act of 1901 on 1st July, 1938.

Inspections made:—

Premises	No. of inspections	No. of written notices	Occupiers pros'cut'd
Factories with mechanical power	7	2	...
Factories without mechanical power	1	...	...
Other premises ... ..	...	...	...
Totals	8	2	...

Defects found:—

Particulars (1)	Number of Defects			Number of offences in respect of which Prosecutions were instituted (5)
	Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	
Want of cleanliness	1	1	...	...
Overcrowding (S 2.) ... ..	...	...	...	...
Unreasonable temperature (S.3) ...	...	...	...	...
Ineffective ventilation (S.4) ... ..	...	...	...	..
Ineffective drainage of floors (S.6) ...	...	...	...	...
Sanitary conveniences { Insufficient Unsuitable, (S.7) { or defective. Not separ- ate for sexes... ..	...	...	...	...
Other offences	3	3	...	...
Total	4	4	...	...

Outworkers : There are no outworkers in this district.

Conclusion. In terminating this report, the last of my Annual Reports in consequence of my retirement from the duties of Medical Officer of Health, I should like to record my sincere appreciation of the confidence and understanding which I always received from the Council during the period of my office and also my thanks to the Public Health Staff and all the other officials for their kind and valuable assistance at all times.

Yours faithfully,

JOHN WOODRUFF CRAW,

Medical Officer of Health.

Whitehall,
Hartford,
Cheshire.

31st March, 1939.

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TELEPHONE 5.

