

**[Report 1943] / Medical Officer of Health, Chelmsford R.D.C.**

**Contributors**

Chelmsford (England). Rural District Council.

**Publication/Creation**

1943

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CHELMSFORD  
RURAL DISTRICT COUNCIL

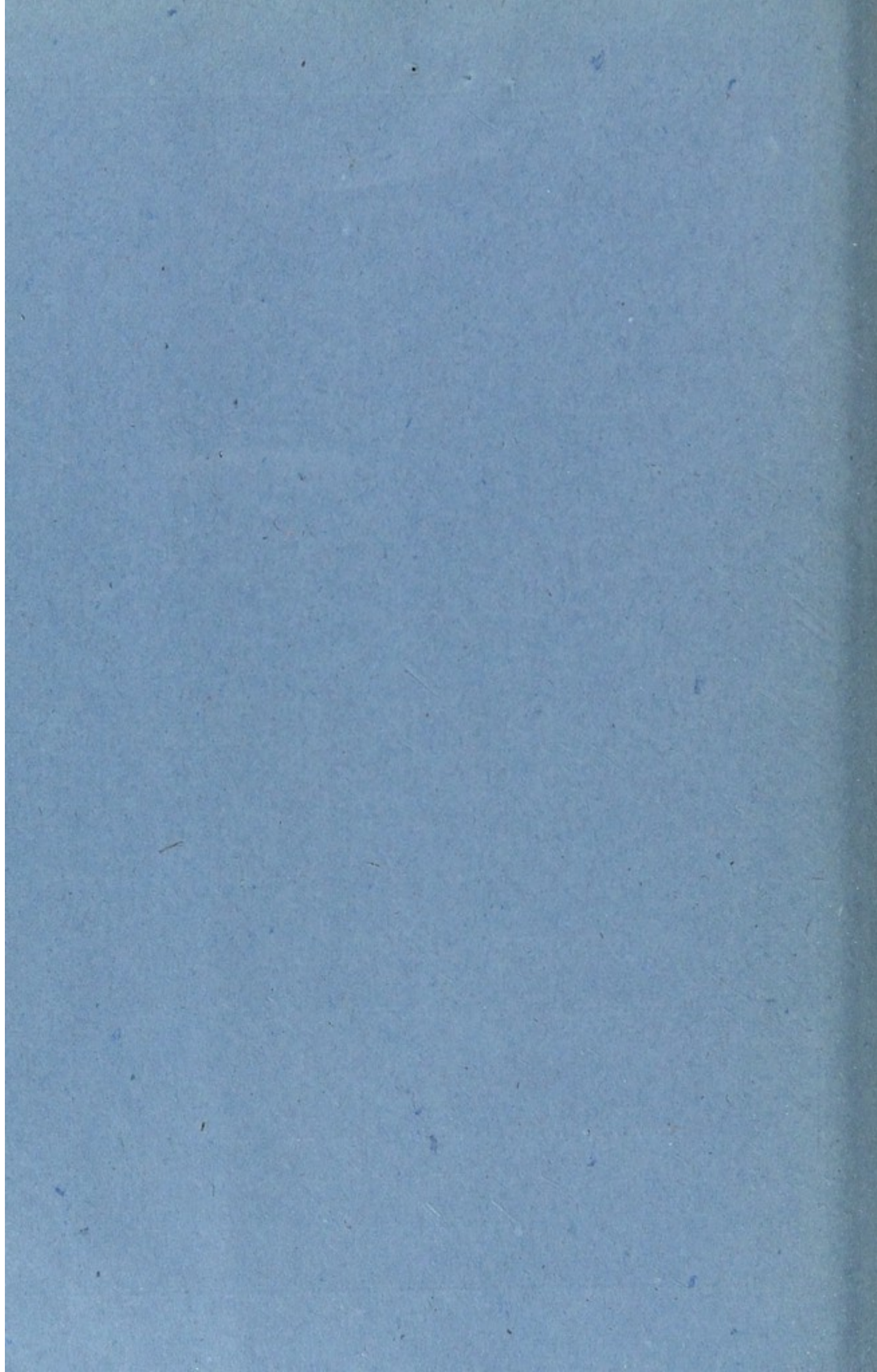
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Annual Report  
OF THE  
MEDICAL OFFICER of HEALTH  
(JOHN F. MACDONALD, M.D., D.P.H.)  
(Barrister-at-Law)  
FOR  
— 1943 —

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SOUTHEND :  
PRINTED BY H. F. LUCAS & Co., 151, NORTH ROAD.

1944.



**London Road,  
Chelmsford.**

25th May, 1944.

*To the Chairman and Members of the Chelmsford Rural District  
Council.*

Mr. Chairman and Gentlemen,

I have the honour to present for your consideration the Annual Report on the Health and Sanitary circumstances of your district during the year 1943.

In accordance with the Circular from the Minister of Health the report has been curtailed.

The district Council, by the end of 1943, had provided a piped water supply under pressure to no less than 86.4 per cent. of the population of the whole district; in addition it provided a piped supply to most of the agricultural industry. This must be considered satisfactory when it is realised that the district extends over an area not less than 135 square miles.

During the year no increase in the incidence of infectious disease occurred and the general health of the community was maintained.

To my colleagues I am much indebted for valuable assistance and to Mr. Ogden for helping in the preparation of this Report.

For the sympathetic consideration and assistance received during the year, I beg to thank the Council.

I am,

Mr. Chairman and Gentlemen,

Your obedient Servant,

JOHN F. MACDONALD.

## STAFF.

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*Clerk to the Rural District Council* : H. H. Gowers.

*Deputy Clerk to the Rural District Council* : C. R. Plumtree.

*Financial Officer to the Rural District Council* : M. W. Butcher.

### PUBLIC HEALTH DEPARTMENT.

*Medical Officer of Health* : John F. Macdonald, M.D., D.P.H., (also Medical Officer of Health for the Rural Districts of Maldon and Rochford.)

*Clerk to Medical Officer of Health* : M. C. Barton, (in H.M. Forces.) Mrs. M. Marshall.

### CHIEF SANITARY INSPECTOR'S DEPARTMENT.

*Chief Sanitary Inspector and Petroleum Inspector* :\*

A. Denton Ogden, M.B.E., F.R.San.I., F.S.I.A.

*Second Sanitary Inspector* :\*

G. F. Mellor, A.M.Inst.P.C., M.S.I.A., M.R.San.I.

*Assistant Sanitary Inspector* :\*

T. H. C. Bartrop, M.S.I.A. A.R.San.I. (In H.M. Forces).

*Clerk-Assistant* : F. B. Brewster.

*Clerk* : R. H. Hawkes, (in H.M. Forces).

*Clerk* : I. Warren.

\* Qualified Inspectors of Meat and other Foods, Royal Sanitary Institute.

### ENGINEER'S DEPARTMENT

*Engineer and Surveyor* : W. E. Bunker, M.Inst., M. & Cy.E., M.R.San.I.

*Assistant Engineer and Surveyor* : D. C. Pinder.

### HOUSING AND ESTATES DEPARTMENT

*Estate Surveyor* : E. Ollett.

## CHELMSFORD RURAL DISTRICT

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### STATISTICS AND SOCIAL CONDITIONS OF THE AREA

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Area (acres) .. .. . 86,506 (land and inland waters).

Population (estimated), 1943 34,620

Population, 1931 (census) .. 27,836 (13,628 males; 14,208 females).

Population, 1921 (census) .. 24,545

The rateable value of the district for the half-year commencing—  
1st April, 1943, was £190,552.

The sum represented by a penny rate, year ended 31st  
March, 1943 .. .. . £786 3s. 10d

#### Social Conditions.

A large proportion of the adult population of the district is employed in the agricultural industry.

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### EXTRACTS FROM VITAL STATISTICS OF THE YEAR

|        |                 | Total | Male | Female |                                |
|--------|-----------------|-------|------|--------|--------------------------------|
| Live   | Legitimate ..   | 549   | 295  | 254    | Birth-rate (R.G.) 16.8         |
| Births | Illegitimate .. | 35    | 23   | 12     |                                |
| Still  | Legitimate ..   | 13    | 8    | 5      | Rate per 1,000 births<br>23.4. |
| Births | Illegitimate .. | 1     | 1    | —      |                                |
| Deaths |                 | 387   | 198  | 189    | Death-rate (R.G.) 11.1         |

Deaths from puerperal and Post Abortive sepsis .. .. Nil.  
 From other maternal causes .. .. Nil.  
 Number of deaths of infants under 1 year of age :—

Males, 13 (0 illegitimate); females, 10 (1 illegitimate).

Death-rate of infants under 1 year of age :—

|                                                               |      |
|---------------------------------------------------------------|------|
| All infants per 1,000 live births .. ..                       | 39.3 |
| Legitimate infants per 1,000 legitimate live births .. ..     | 40.0 |
| Illegitimate infants per 1,000 illegitimate live births .. .. | 28.5 |
| Deaths from Cancer (all ages) .. ..                           | 60   |
| Deaths from Measles (all ages) .. ..                          | 1    |
| Deaths from Whooping Cough (all ages) .. ..                   | 2    |
| Deaths from Diarrhoea (under 2 years of age) .. ..            | 1    |

### Comparative Table of Birth and Death Rates During the Year 1943.

|                                                                                             | Rate per 1,000 Civilian Population. |                         | Deaths under one year per 1,000 registered live births. |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------|---------------------------------------------------------|
|                                                                                             | Live Births.                        | Deaths from all causes. |                                                         |
| England and Wales ..                                                                        | 16.5                                | 12.1                    | 49                                                      |
| 126 County Boroughs and great towns, including London ..                                    | 18.6                                | 14.2                    | 58                                                      |
| 148 smaller towns with estimated resident population of from 25,000 to 50,000 (1931 Census) | 19.4                                | 12.7                    | 46                                                      |
| Chelmsford Rural District ..                                                                | 16.8                                | 11.1*                   | 39                                                      |

\*In order to render this figure comparable with the death rate for the country as a whole, it must be multiplied by the "Areal Comparability Factor (A.C.F.)" 0.89, which has been supplied by the Registrar General as requisite to redress the abnormal constitution of the local population from the point of view of sex and age components. Applying this factor, the correct death rate is 9.8 as compared with 11.6 for the country as a whole based on factor for 1942

The deaths classified according to age were as follows :—

|                       | No. of Deaths. |
|-----------------------|----------------|
| Under 1 year .. .. .  | 23             |
| 1 and under 2 .. .. . | 3              |
| 2 „ 5 .. .. .         | 5              |
| 5 „ 15 .. .. .        | 3              |
| 15 „ 25 .. .. .       | 6              |
| 25 „ 35 .. .. .       | 9              |
| 35 „ 45 .. .. .       | 11             |
| 45 „ 55 .. .. .       | 29             |
| 55 „ 65 .. .. .       | 57             |
| 65 „ 75 .. .. .       | 88             |
| 75 and over .. .. .   | 153            |
| <b>Total</b>          | <b>387</b>     |

The following table classifies the deaths according to cause and sex —

| Cause of Death.                       | Males.     | Females.   | Total      |
|---------------------------------------|------------|------------|------------|
| Typhoid and Paratyphoid Fevers ..     | —          | —          | —          |
| Measles .. .. .                       | 1          | —          | 1          |
| Scarlet Fever .. .. .                 | —          | —          | —          |
| Whooping Cough .. .. .                | 1          | 1          | 2          |
| Diphtheria .. .. .                    | —          | —          | —          |
| Influenza .. .. .                     | 5          | 8          | 13         |
| Acute Inf. Encephalitis .. .. .       | —          | —          | —          |
| Cerebro Spinal fever .. .. .          | —          | —          | —          |
| Tuberculosis of respiratory system .. | 6          | 5          | 11         |
| Other tuberculosis .. .. .            | —          | 1          | 1          |
| Syphilis .. .. .                      | —          | —          | —          |
| Cancer .. .. .                        | 27         | 33         | 60         |
| Diabetes .. .. .                      | 1          | 2          | 3          |
| Intra-cranial vascular lesions .. ..  | 26         | 21         | 47         |
| Heart disease .. .. .                 | 37         | 41         | 78         |
| Other circulatory diseases .. .. .    | 12         | 7          | 19         |
| Bronchitis .. .. .                    | 9          | 6          | 15         |
| Pneumonia (all forms) .. .. .         | 15         | 11         | 26         |
| Other respiratory diseases .. .. .    | 1          | 2          | 3          |
| Ulcer of stomach and duodenum .. .. . | 4          | 3          | 7          |
| Diarrhoea (under 2 years) .. .. .     | 1          | —          | 1          |
| Appendicitis .. .. .                  | —          | —          | —          |
| Other digestive diseases .. .. .      | 3          | 5          | 8          |
| Nephritis .. .. .                     | 4          | 4          | 8          |
| Puerperal and post Abortive Sepsis .. | —          | —          | —          |
| Other Maternal Causes .. .. .         | —          | —          | —          |
| Malformation, etc. .. .. .            | 4          | 4          | 8          |
| Premature Birth .. .. .               | 4          | 4          | 8          |
| Suicide .. .. .                       | 4          | —          | 4          |
| Road traffic accidents .. .. .        | 3          | 2          | 5          |
| Other violence .. .. .                | 8          | 3          | 11         |
| *All other causes .. .. .             | 22         | 26         | 48         |
| <b>TOTALS</b>                         | <b>198</b> | <b>189</b> | <b>387</b> |

## GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

**Laboratory facilities:** Additional facilities to supplement those already available have been provided by the establishment of Emergency Public Health Laboratories under the direction of the Medical Research Council.

**Ambulance facilities : Nursing in the home : Treatment Centres and Clinics : Hospitals—Public and Voluntary. Registered Nursing Homes.** These all remain unchanged.

Two war emergency maternity hospitals are provided in the district.

## SANITARY CIRCUMSTANCES OF THE AREA

**Water :** The following table classified according to parish, gives details of the piped water supply (under pressure) throughout the district. Except in those parishes within the Southend Waterworks Company's statutory area and in Broomfield where there is a local supply, water continues to be obtained in bulk from the South Essex Waterworks Company.

Water Supply

| Parish                          | Percentage of Houses    |                                                 |
|---------------------------------|-------------------------|-------------------------------------------------|
|                                 | with piped water supply | within 100 yards of mains but not yet connected |
| Gt. Baddow .. .. .              | 92.6                    | 3.9                                             |
| Little Baddow .. .. .           | 87.6                    | —                                               |
| Boreham .. .. .                 | 53.8                    | 33.1                                            |
| Broomfield .. .. .              | 91.1                    | 2.8                                             |
| Chignall .. .. .                | 34.2                    | 38.7                                            |
| Danbury .. .. .                 | 90.6                    | 2.1                                             |
| Good Easter .. .. .             | 50.4                    | 29.0                                            |
| East Hanningfield .. .. .       | 87.5                    | 7.8                                             |
| South Hanningfield .. .. .      | 75.5                    | 10.3                                            |
| West Hanningfield .. .. .       | 40.0                    | 8.0                                             |
| Ingatestone & Fryerning .. .. . | 87.0                    | 3.8                                             |
| Gt. Leighs .. .. .              | 27.0                    | 30.5                                            |
| Lt. Leighs .. .. .              | 33.8                    | 29.2                                            |
| Margaretting .. .. .            | 74.2                    | 17.3                                            |
| Mashbury .. .. .                | 52.3                    | 23.8                                            |
| Mountnessing .. .. .            | 53.5                    | —                                               |
| Pleshey .. .. .                 | 31.2                    | 55.0                                            |
| Rettendon .. .. .               | 98.8                    | —                                               |
| Roxwell .. .. .                 | 32.7                    | 33.0                                            |
| Runwell .. .. .                 | 87.3                    | 11.6                                            |
| Sandon .. .. .                  | 84.5                    | —                                               |
| Springfield .. .. .             | 48.8                    | 27.1                                            |
| Stock .. .. .                   | 71.9                    | 4.9                                             |
| Gt. Waltham .. .. .             | 35.5                    | 34.9                                            |
| Lt. Waltham .. .. .             | 67.0                    | 26.0                                            |
| Woodham Ferris .. .. .          | 93.4                    | 3.4                                             |
| Writtle .. .. .                 | 82.3                    | 2.5                                             |
| Total                           | 76.2                    | 10.2                                            |

During the year 120 additional premises were connected to the mains and 50 houses supplied by standpipe.

Samples taken from the Broomfield Waterworks are reported upon as a "wholesome water, suitable for the purposes of public supply."

**Drainage and Sewerage.**

No change since previous report.

**Closet Accommodation.**

No great changes have been made to those shown in previous reports.

**Public Cleansing.**

Owing to the increase in salvage, it was necessary to resort to a fortnightly collection of ordinary household refuse instead of a weekly one, the intervening periods being occupied in the collection of salvage.

Considerable time is necessarily spent in supervising the work of salvage collection and disposal.

The salvage scheme is more than self-supporting inasmuch that a substantial profit has consistently been shown since its inception.

**Sanitary Inspection of the Area.**

The following table gives details of the inspections carried out by the Chief Sanitary Inspector's Department and of notices served.

# INSPECTIONS AND PARTICULARS OF NOTICES FOR THE YEAR, 1943.

| Nature of Inspection.                               | Total Inspections. | Notices Outstanding at end of 1942 | Notices served. |            | Notices        |                             |
|-----------------------------------------------------|--------------------|------------------------------------|-----------------|------------|----------------|-----------------------------|
|                                                     |                    |                                    | Informal.       | Statutory. | Complied with. | Outstanding at end of 1943. |
| Infectious Diseases Inquiries ..                    | 115                | —                                  | —               | —          | —              | —                           |
| Disinfection ..                                     | 7                  | —                                  | —               | —          | —              | —                           |
| Houses Inspected and Recorded under Housing Acts .. | 13                 | —                                  | —               | —          | —              | —                           |
| Do. under Public Health Acts                        | 46                 | 59                                 | 113             | 34         | 83             | 123                         |
| Re-inspections under Housing Acts ..                | 55                 | —                                  | —               | —          | —              | —                           |
| Re-inspections under Public Health Acts ..          | 70                 | —                                  | —               | —          | —              | —                           |
| Overcrowding ..                                     | 9                  | 7                                  | 1               | —          | 7              | 1                           |
| Dirty condition of Houses ..                        | —                  | —                                  | —               | —          | —              | —                           |
| Other Nuisances ..                                  | 2011               | —                                  | —               | —          | —              | —                           |
| Re-inspections ..                                   | 221                | —                                  | —               | —          | —              | —                           |
| Privies and Pail Closets ..                         | 47                 | 9                                  | 17              | 4          | 10             | 20                          |
| Water Closets ..                                    | 34                 | 12                                 | 14              | 5          | 19             | 12                          |
| Urinals ..                                          | 12                 | —                                  | —               | —          | —              | —                           |
| House drainage ..                                   | 217                | 35                                 | 46              | 8          | 47             | 42                          |
| Water Supply ..                                     | 193                | 12                                 | 45              | 20         | 40             | 37                          |
| Pigstyes ..                                         | 3                  | —                                  | —               | —          | —              | —                           |
| Animals improperly kept ..                          | 5                  | —                                  | —               | —          | —              | —                           |
| Schools ..                                          | 26                 | —                                  | —               | —          | —              | —                           |
| Milk Shops ..                                       | 7                  | —                                  | —               | —          | —              | —                           |
| Cowsheds and Dairies ..                             | 448                | 17                                 | 52              | 3          | 26             | 46                          |
| Bakehouses ..                                       | 45                 | —                                  | —               | —          | —              | —                           |
| Ice-cream Premises ..                               | —                  | —                                  | —               | —          | —              | —                           |
| Slaughterhouses and Meatshops                       | 254                | —                                  | —               | —          | —              | —                           |
| Knackers Yards ..                                   | 25                 | —                                  | —               | —          | —              | —                           |
| Fresh and Fried Fishshops                           | —                  | —                                  | —               | —          | —              | —                           |
| Factories ..                                        | 13                 | —                                  | —               | —          | —              | —                           |
| Rats, Mice and Insects Pests                        | 89                 | 1                                  | 9               | 1          | 10             | 1                           |
| Tents, Vans, Sheds ..                               | 94                 | 2                                  | 3               | —          | 4              | 1                           |
| Public Cleansing :—                                 |                    |                                    |                 |            |                |                             |
| Ash bins ..                                         | 28                 | 2                                  | 9               | 2          | 11             | 2                           |
| Refuse Dumps ..                                     | 128                | —                                  | —               | —          | —              | —                           |
| Shops Act ..                                        | 283                | —                                  | —               | —          | —              | —                           |
| Smoke Nuisances ..                                  | —                  | —                                  | —               | —          | —              | —                           |
| Food Storage and Preparing Premises ..              | —                  | —                                  | —               | —          | —              | —                           |
| Miscellaneous ..                                    | 697                | 3                                  | 9               | —          | 12             | —                           |
| Total ..                                            | 5,195              | 159                                | 318             | 77         | 269            | 285                         |

Mr. T. H. C. Bartrop, Assistant Sanitary Inspector was called up for military service on April 29th, 1942 and has not been replaced.

The following tables provide statistics of work done as a result of the service of Informal and/or Statutory Notices :—

|                                                 |    |    |
|-------------------------------------------------|----|----|
| Adequate ventilation provided to rooms          | .. | —  |
| Ashbins provided                                | .. | 9  |
| Brick walls repaired or roughcast               | .. | —  |
| Chimney flues altered                           | .. | 1  |
| Chimney stacks repaired or re-pointed           | .. | 1  |
| Ceiling plasters repaired or renewed            | .. | 8  |
| Coppers repaired or provided                    | .. | 7  |
| Damp-proof courses repaired                     | .. | 1  |
| Dampness remedied other than by d.p.c.          | .. | 15 |
| Dirty or verminous houses cleansed              | .. | 1  |
| Doors repaired or renewed                       | .. | 9  |
| Eavesgutters and downspouts repaired or renewed | .. | 10 |
| External wall plaster repaired or renewed       | .. | —  |
| Fireplaces, Stoves, repaired or renewed         | .. | 16 |
| Floors repaired or re-laid                      | .. | 33 |
| Foodstores provided or repaired                 | .. | —  |
| Handrails provided to staircases                | .. | 4  |
| Internal wall plaster repaired or renewed       | .. | 14 |
| Internals walls repaired                        | .. | 3  |
| Outbuildings repaired or demolished             | .. | 2  |
| Roofs repaired or renewed                       | .. | 31 |
| Sinks provided or repaired                      | .. | 6  |
| Sink waste pipes provided or renewed            | .. | 8  |
| Staircases provided or repaired                 | .. | 1  |
| Washhouses repaired                             | .. | 2  |
| Weatherboarded walls renewed or repaired        | .. | 1  |
| Windows or frames repaired or renewed           | .. | 23 |
| Yards or paths repaired or paved                | .. | 4  |
| Miscellaneous repairs                           | .. | 17 |

|                                                   |    |    |
|---------------------------------------------------|----|----|
| Cesspool pumps provided                           | .. | —  |
| Cesspools cleansed                                | .. | 1  |
| Cesspools rendered watertight                     | .. | 1  |
| Choked drains unstopped                           | .. | 5  |
| Drainage systems altered or repaired              | .. | 10 |
| Drainage cut off from ditches, watercourses, etc. | .. | 13 |
| Foul ditches cleansed                             | .. | 1  |
| Foul ponds cleansed                               | .. | —  |
| Houses connected to the sewer                     | .. | —  |
| Inspection covers repaired                        | .. | —  |
| Overflows from cesspools abolished                | .. | 3  |
| Pail closet structures repaired or renewed        | .. | 2  |
| Pails provided to closets                         | .. | 5  |
| Urinals repaired or provided                      | .. | —  |
| Ventilation pipes repaired                        | .. | 1  |

|                                                                                    |    |
|------------------------------------------------------------------------------------|----|
| Water closets cleansed .. ..                                                       | 1  |
| Water closet floors repaired .. ..                                                 | 2  |
| Water closet drain repaired .. ..                                                  | 1  |
| Water closet flushing apparatus repaired or renewed .. ..                          | 5  |
| Water closet pedestals repaired or renewed .. ..                                   | 2  |
| Water closet structures repaired or renewed .. ..                                  | 16 |
| Yard gullies provided or repaired .. ..                                            | 2  |
| Hot water boilers repaired or renewed .. ..                                        | —  |
| Main water supply provided to houses .. ..                                         | 22 |
| Pumps repaired .. ..                                                               | —  |
| Water pipes, taps repaired .. ..                                                   | 3  |
| Water tanks repaired or renewed .. ..                                              | —  |
| Wells cleansed, repaired or improved .. ..                                         | —  |
| Water supplies improved .. ..                                                      | 7  |
| Approaches to cowsheds or dairies improved .. ..                                   | 1  |
| Buildings converted to Cowsheds .. ..                                              | —  |
| Cesspools cleansed .. ..                                                           | 1  |
| Cowsheds cleansed .. ..                                                            | 6  |
| Cowshed floors repaired .. ..                                                      | 4  |
| Cowsheds reconstructed .. ..                                                       | 1  |
| Cowshed roofs repaired .. ..                                                       | 2  |
| Cowshed walls repaired .. ..                                                       | 5  |
| Dairies sealed off from cowsheds .. ..                                             | 1  |
| Dairies provided .. ..                                                             | 1  |
| Dairies repaired or improved .. ..                                                 | 1  |
| Dairy floors repaired .. ..                                                        | 1  |
| Dairy roofs repaired .. ..                                                         | 1  |
| Dairy walls repaired .. ..                                                         | 5  |
| Drainage to cowshed or dairy improved .. ..                                        | 6  |
| Improvements to water supply .. ..                                                 | 2  |
| Lighting to cowshed or dairy improved .. ..                                        | 4  |
| Manure accumulations removed .. ..                                                 | 3  |
| Mechanical milking plants, sterilizers, &c., provided, cleansed, or repaired .. .. | 6  |
| Other improvements to cowsheds or dairies .. ..                                    | 16 |
| Ventilation to cowsheds or dairies .. ..                                           | 1  |
| Water supply provided to cowsheds or dairies .. ..                                 | 3  |
| Miscellaneous work done .. ..                                                      | 16 |

### Camping Sites.

Nine camping sites were licensed during the year.

## HOUSING

Ten Agricultural cottages were allotted to the district and by the end of the year 8 (4 in West Hanningfield, 4 in Writtle) of these were under construction. The other 2 are to be erected at Ford End.

The following table gives details of the housing work carried out during the year.

There were no plans submitted for the erection of houses during 1943.

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) . . . . . 134
  - (b) Number of Inspections made for the purpose . . . . . 489
  - (2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 . . . . . 45
  - (b) Number of Inspections made for the purpose . . . . . 87
  - (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation . . . . . 10
  - (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 . . . . . 114
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 . . . . . 52
3. *Action under Statutory Powers during the year :—*

Proceedings under Public Health Acts.

  - (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied . . . . . 34
  - (2) Number of dwelling-houses in which defects were remedied after service of formal notices :—
    - By Owners . . . . . 15

—Proceedings under Sections 11 and 13 of the Housing Act, 1936.

|                                                                                            |   |
|--------------------------------------------------------------------------------------------|---|
| (1) Number of dwelling-houses in respect of which<br>Demolition Orders were made . . . . . | 2 |
| (2) Number of dwelling-houses demolished in pur-<br>suance of Demolition Orders :—         |   |
| By Owners . . . . .                                                                        | 1 |

It is impossible to give any accurate picture as to overcrowding based on the Housing Act standard. War conditions have resulted in relatives and friends taking up temporary residence with families normally resident in the district and other persons have secured the tenancy of vacant houses and two or more families are living together. At the same time no gross overcrowding has been found.

## INSPECTION AND SUPERVISION OF FOOD

### Milk Supply.

There are 227 registered cowsheds and dairies in the district in which milk is produced for sale, a large proportion of which are licensed for the production of Designated Milks by the Essex County Council. In addition there are 21 dairies used by persons who retail milk purchased from other producers, and 20 persons who are registered to retail milk within the district, with premises outside the district. These premises have been regularly inspected and details of works which have been carried out as a result of requests from your Chief Sanitary Inspector's Department, in order to improve the premises, are shown in the table on page 10.

12 licences were granted under the Milk (Special Designations) Orders 1936 and 1938. With one exception, these were renewals of licences previously granted to the holders.

### Meat and Other Foods.

All animals are at present slaughtered in slaughterhouses outside the district. Meat exposed for sale or deposited for manufacture in premises within the district is regularly inspected.

Quantities of poultry and rabbits exposed for sale in shops have also been inspected.

The following foodstuffs were condemned as unfit for human consumption :—

96lbs. Meat, 86lbs. Bacon, 34lbs. Butter, 16lbs. Cheese, 56 6lb. Tins Corned Beef, 19 6lb. Tins Mutton, 1 6lb. Tin Pork Luncheon Meat, 2 2½lb. Tins Pork Luncheon Meat, 6 1½lb. Tins Pork Sausage Meat, 36 12oz. Tins Corned Beef, 1 12oz. "Spam," 8 Tins Herrings, 3 Tins Pilchards, 3 Tins Sardines, 2 Tins Salmon, 4 Tins Peas, 1 Tin Plums, 7 Tins Condensed Milk, 1 Tin Evaporated Milk, 7 Tins Baked Beans, 1 Tin Haricot Beans, 2 Tins Spinach, 34lbs. Rolled Oats, 4 Packets Shredded Wheat, 1 Tin Chocolate, 1 Tin "Jardox," 6 Tins Jam, 10 Jars Jam, 16 Jars Marmalade, 1 Jar Mincemeat, 1 Jar Lemon Curd.

The bakehouses and other premises where food is prepared for sale have been kept under close observation.

### PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

There was no major outbreak of notifiable infectious disease during the year. The 28 cases of Dysentery occurred in a mental hospital.

Two of the cases of Diphtheria were adults in a mental hospital.

The immunisation of children against diphtheria was continued during the year. The prophylactic used throughout was A.P.T.

The percentage of children immunised at the end of 1943 based on the estimated population of Registrar General was :—

|           |       |
|-----------|-------|
| Aged 1-15 | 78.4% |
| Aged 1-5  | 77.8% |
| Aged 5-15 | 78.6% |

The immunisation is continuing and it is hoped that parents will take full advantage of the facilities provided for protecting their children against such a serious disease as Diphtheria.

Much assistance in connection with Diphtheria immunisation was given by the Health visitors and teachers.

It is satisfactory to report that no clinical case of Diphtheria occurred among the child population. One case notified was found to be a carrier (nasal).

Towards the end of the year Influenza became prevalent but fortunately was of a mild nature. Arrangements were made with civil defence personnel (Casualty services) to give assistance in the homes.

**Scabies.** Arrangements were made to get patients treated at St. John's Hospital, Chelmsford. During the year 12 cases were treated.

The following tables show the incidence of Infectious Disease during the year.

NOTIFIABLE DISEASES DURING THE YEAR (EXCLUSIVE OF TUBERCULOSIS).

| Notifiable Disease.       | Total Cases Notified | Under 1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | 10-15 | 15-20 | 20-35 | 35-45 | 45-65 | 65 or over | Cases admitted to Hospital | Total Deaths |
|---------------------------|----------------------|---------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|------------|----------------------------|--------------|
| Dysentery ..              | 28                   | —       | —   | —   | —   | —   | —    | —     | 2     | 4     | —     | 11    | 11         | —                          | —            |
| Scarlet Fever ..          | 70                   | —       | —   | 1   | 7   | 6   | 40   | 12    | 1     | 2     | 1     | —     | —          | 50                         | —            |
| Whooping Cough ..         | 35                   | 2       | 5   | 3   | 2   | 2   | 19   | 1     | —     | 1     | —     | —     | —          | 7                          | 2            |
| Diphtheria ..             | 3                    | —       | —   | —   | —   | —   | 1    | —     | —     | 1     | 1     | —     | —          | —                          | —            |
| Erysipelas ..             | 9                    | —       | —   | —   | —   | —   | —    | —     | —     | 2     | 2     | 3     | 2          | —                          | —            |
| Measles ..                | 159                  | 4       | 15  | 8   | 9   | 21  | 87   | 13    | —     | 2     | —     | —     | —          | 3                          | —            |
| Pneumonia ..              | 11                   | 1       | 2   | —   | —   | —   | 1    | —     | —     | 2     | 1     | 3     | 1          | —                          | 26           |
| Puerperal Pyrexia ..      | 2                    | —       | —   | —   | —   | —   | —    | —     | 1     | —     | —     | —     | —          | 1                          | —            |
| Anterio-Poliomyelitis. .. | 1                    | —       | —   | —   | —   | 1   | —    | —     | —     | —     | —     | —     | —          | 1                          | —            |
| Totals ..                 | 318                  | 7       | 22  | 12  | 18  | 30  | 148  | 26    | 4     | 15    | 5     | 17    | 14         | 62                         | 28           |

TABLE SHOWING LOCAL DISTRIBUTION OF CASES  
NOTIFIED DURING 1943.

| Parish                 | Dysentery | Scarlet Fever. | Whooping Cough | Diphtheria. | Erysipelas. | Measles | Pneumonia. | Puerperal Pyrexia. | Anterio-Poliomyelitis. | *Pulmonary Tuberculosis. | *Other forms of Tuberculosis. | Total. |
|------------------------|-----------|----------------|----------------|-------------|-------------|---------|------------|--------------------|------------------------|--------------------------|-------------------------------|--------|
| Great Baddow           | —         | 10             | 9              | —           | —           | 13      | 1          | 1                  | —                      | 3                        | 2                             | 39     |
| Little Baddow          | —         | —              | —              | —           | —           | 6       | —          | —                  | —                      | —                        | 1                             | 7      |
| Boreham                | —         | —              | —              | —           | 1           | —       | 2          | —                  | —                      | 2                        | 1                             | 6      |
| Broomfield             | —         | 8              | 1              | —           | —           | 10      | 1          | —                  | —                      | 3                        | 1                             | 24     |
| Chignal                | —         | —              | —              | —           | —           | —       | 1          | —                  | —                      | —                        | —                             | 1      |
| Danbury                | —         | 16             | 4              | —           | 3           | 36      | —          | 1                  | —                      | 1                        | —                             | 61     |
| Good Easter            | —         | —              | —              | —           | —           | —       | —          | —                  | —                      | —                        | —                             | —      |
| East Hanningfield      | —         | —              | —              | —           | —           | 3       | —          | —                  | —                      | —                        | —                             | 3      |
| Sth Hanningfield       | —         | —              | —              | —           | —           | 3       | —          | —                  | —                      | 2                        | —                             | 5      |
| W. Hanningfield        | —         | 1              | 3              | —           | —           | —       | 1          | —                  | —                      | —                        | —                             | 5      |
| Ingatstone & Fryerning | —         | 2              | 10             | —           | —           | 55      | —          | —                  | 1                      | 1                        | 1                             | 70     |
| Great Leighs           | —         | —              | —              | —           | —           | —       | —          | —                  | —                      | —                        | —                             | —      |
| Little Leighs          | —         | —              | —              | —           | —           | —       | —          | —                  | —                      | —                        | —                             | —      |
| Margaretting           | —         | —              | 3              | —           | —           | —       | —          | —                  | —                      | —                        | —                             | 3      |
| Mashbury               | —         | —              | —              | —           | —           | —       | —          | —                  | —                      | —                        | —                             | —      |
| Mountnessing           | —         | 4              | —              | —           | —           | 5       | —          | —                  | —                      | —                        | —                             | 9      |
| Pleshey                | —         | 1              | —              | —           | —           | —       | —          | —                  | —                      | —                        | —                             | 1      |
| Rettendon              | —         | 6              | —              | —           | —           | 2       | —          | —                  | —                      | —                        | —                             | 8      |
| Roxwell                | —         | —              | —              | —           | —           | 1       | —          | —                  | —                      | —                        | 1                             | 2      |
| Runwell                | 28        | 3              | 1              | 2           | 4           | 4       | —          | —                  | —                      | 1                        | 1                             | 44     |
| Sandon                 | —         | 1              | —              | 1           | —           | —       | 1          | —                  | —                      | 1                        | 1                             | 5      |
| Springfield            | —         | 3              | —              | —           | —           | 1       | 1          | —                  | —                      | —                        | 2                             | 7      |
| Stock                  | —         | 9              | 3              | —           | —           | 5       | 1          | —                  | —                      | 1                        | —                             | 19     |
| Great Waltham          | —         | 4              | —              | —           | —           | —       | —          | —                  | —                      | 1                        | —                             | 5      |
| Little Waltham         | —         | 1              | —              | —           | —           | —       | —          | —                  | —                      | 2                        | —                             | 3      |
| Woodham Ferrers        | —         | —              | —              | —           | 1           | 8       | —          | —                  | —                      | 1                        | 4                             | 14     |
| Writtle                | —         | 1              | 1              | —           | —           | 7       | 2          | —                  | —                      | 1                        | 3                             | 15     |
| Totals                 | 28        | 70             | 35             | 3           | 9           | 159     | 11         | 2                  | 1                      | 20                       | 18                            | 356    |

## TUBERCULOSIS.

New Cases and Mortality during 1943.

| Age Periods.   | *New Cases.  |    |                  |    | Deaths.      |    |                  |    |
|----------------|--------------|----|------------------|----|--------------|----|------------------|----|
|                | Respiratory. |    | Non-Respiratory. |    | Respiratory. |    | Non-Respiratory. |    |
|                | M.           | F. | M.               | F. | M.           | F. | M.               | F. |
| Under 1 ..     | —            | —  | 1                | —  | —            | —  | —                | —  |
| 1 to 5 ..      | —            | —  | 3                | —  | —            | —  | —                | 1  |
| 5 " 15 ..      | —            | —  | 3                | 7  | —            | —  | —                | —  |
| 15 " 25 ..     | 3            | 3  | 2                | 1  | —            | 1  | —                | —  |
| 25 " 35 ..     | 2            | 5  | —                | —  | 1            | 3  | —                | —  |
| 35 " 45 ..     | 2            | 2  | —                | —  | 3            | —  | —                | —  |
| 45 " 55 ..     | 1            | 1  | —                | 1  | 1            | 1  | —                | —  |
| 55 " 65 ..     | 1            | —  | —                | —  | —            | —  | —                | —  |
| 65 and upwards | —            | —  | —                | —  | 1            | —  | —                | —  |
| Totals ..      | 9            | 11 | 9                | 9  | 6            | 5  | —                | 1  |

\*Not including cases of tuberculosis removed into the district during the year, which had been previously notified elsewhere.

**REPORT OF PETROLEUM INSPECTOR.****(A. Denton Ogden, M.B.E., F.R.S.I., F.S.I.A.)**

Mr. Chairman and Gentlemen,

Under an Order made by the Government, only in certain instances are persons now permitted to store petroleum spirit. The Council have only issued licences where they are satisfied and have evidence from the Petroleum Board that such storage is necessary.

No contraventions of the Regulations were found during the year.

I am, Gentlemen,

Yours obediently,

A. DENTON OGDEN,

Petroleum Inspector.

Council Offices,

London Road, Chelmsford.

