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**Contributors**

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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

**1952.**


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SOUTHEND :

W. H. Houldershaw, Ltd., 49-55, London Road,

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1953.



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RURAL DISTRICT COUNCIL

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1953.



LONDON ROAD,  
CHELMSFORD.

1st July, 1953

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

MR. CHAIRMAN, LADIES 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 1952.

The Death Rate for the year per 1,000 population was 10.2 compared with 10.5 for 1951, and the Birth Rate was 15.0 compared with 15.1 for the previous year.

Of the 402 deaths allotted to the District, 207 equal to 51 per cent were of persons over 75 years of age, 122 or 30 per cent over 80, and 19 or 4.7 per cent over 90 years of age. The total number of deaths of persons under the age of 45 was 40 or 9.9 per cent of the total deaths. Under 1 year of age the total number of deaths was only 16 and with the exception of 4, were due to prematurity or congenital defects.

Heart disease was responsible for 120 deaths, or 30 per cent of the total deaths, Malignant diseases for 59 deaths or over 14 per cent. These two diseases accounted for 179 deaths or 44 per cent of the total. Cancer of the lungs was responsible for 7 deaths.

The number of cases of infectious diseases was not above the average. Diphtheria was again absent throughout the year.

To my colleagues I am much indebted for valuable assistance in the preparation of this Report.

For the sympathetic consideration of the Council, I wish to express my thanks.

Your obedient servant,  
JOHN F. MACDONALD.

## STAFF.

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*Clerk of the Rural District Council : C. R. Plumtree.*

*Deputy Clerk of the Rural District Council : C. A. Bohannon.*

*Treasurer of 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 District of Maldon).

### 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.

*Deputy Chief Sanitary Inspector :\**

T. H. C. Bartrop, M.R.San.I., M.S.I.A.

*Sanitary Inspectors :—\**

L. G. Smart, M.R.San.I., M.S.I.A., A.M.I.S.E.

G. E. J. Potter, M.R.San.I., M.S.I.A.

*Clerks : F. B. Brewster, A.R.San.I.*

R. H. Hawkes.

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

### ENGINEER & SURVEYOR'S DEPARTMENT.

*Engineer and Surveyor : W. E. Bunker, M.I.Mun.E.,  
M.R.San.I.*

*Deputy Engineer and Surveyor : P. Dendy, A.M.I.Mun.E.,  
M.R.S.I., A.M.Inst.H.E.*

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

### ESTATES MANAGER'S DEPARTMENT.

*Estates Manager : E. Ollett.*

*Deputy Estates Manager : T. Archer.*



## GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

The Rural District Council consists of 49 elected members and meets monthly. There are several Committees dealing with Public Health matters, which meet on the 2nd and 3rd Tuesday of each month. The Committees' reports are presented at the following Council Meeting—4th Tuesday in each month. A copy of the Minutes of the Council and reports of the Committees are issued to each member.

### LIST OF COMMITTEES.

General Purposes and Staffing.

Finance.

Buildings and Planning.

Public Health.

Housing.

Building Contracts.

Re-Housing.

Slum Clearance.

Estates Management.

Drainage and Water.

Fuel and Lighting Advisory.

Catering.

Community Centres.

Council and Staff Joint.

Civil Defence.

Hutments.

Reception.

Grants: Sub.

Rents Rebates.

The Council is represented on the :—

Chelmsford Joint Sewerage Committee.

South-East Essex Superannuation Joint Committee.



Chelmsford Borough and Rural District Road Safety Committee.

East Central-Essex Area Planning Sub-Committee.

Chelmsford and District Tuberculosis After-Care Association.

Chelmsford and District Youth Committee.

Essex County Branch, Rural District Councils' Association.

Divisional Executive Education Committee.

Joint Advisory Committee on Rural Housing.

Mid-Essex Health Area Sub-Committee.

Old People's Committee.

Chelmsford Hospital House Committee.

Boreham Airfield Community Centre Committee.

Essex Boroughs and District Councils' Association.

Eastern Regional Executive Committee (National Housing and Town Planning Council).

Citizens' Advice Bureau Sub-Committee.

Standing Conference Civil Defence.

### **Laboratory Facilities.**

These services are provided by the County Council and at St. John's Hospital, Chelmsford.

### **Hospitals.**

The local hospitals are in the 18th Group of the North East Metropolitan Hospital Board.

**Maternity and Child Welfare** is administered by the County Council.

**Registered Nursing Homes.** These are controlled by the Essex County Council. There are two in the district. (Danbury 1, Rettendon 1.)

### **Residential Club for Elderly People.**

The available accommodation at the Residential Club for Elderly People, opened in 1947, at Docklands, Ingatestone, is fully taken up. The club is meeting a real need.

The day-to-day management is vested in a local committee.

**Civic Restaurant.** The British Restaurant in Great Baddow, which was in use as a civic restaurant, was closed down on 26th November, 1952.

**Ambulance Facilities.** These are provided by the County Council.

**National Assistance Act, 1948.** No action was taken during the year under Section 47 of The National Assistance Act, 1948 (Removal to suitable premises of persons in need of care and attention).

Section 50 of The National Assistance Act has placed on the Council the duty of arranging the burial or cremation of the body of any person who has died or is found dead in the area, when no suitable arrangements have been, or are being made otherwise than by the authority. The Council arranged the following burials during :—

1948	...	...	...	...	3
1949	...	...	...	...	5
1950	...	...	...	...	4
1951	...	...	...	...	6
1952	...	...	...	...	9

**Mortuaries.** There is a mortuary for infectious cases at the Isolation Hospital, Great Baddow. A modern mortuary is available at St. John's Hospital, Chelmsford, also at Chelmsford and Essex Hospital, Chelmsford.

**Clinics and Treatment Centres.** These are provided by the Essex County Council as given in the following tabular statement :—



## MATERNITY AND CHILD WELFARE CENTRES

Centre	Address	Sessions (Monthly)
Great Baddow ...	Parish Hall ... ..	2nd & 4th Thursdays, 2 p.m.
Galleywood ...	Keene Memorial Hall ...	3rd Tuesday, 2 p.m.
Boreham ...	Village Hall ... ..	3rd Tuesday, 2 p.m.
Boreham Aero- drome ...	Hut 16, Site 2. ... ..	Every Monday, 2 p.m.
Broomfield ...	Church Room ... ..	1st and 3rd Thursdays, 2 p.m.
Chignal Smealey	Congregational Church Room ... ..	4th Monday, 2.30 p.m.
Danbury ...	Village Hall ... ..	1st & 3rd Thursdays, 2 p.m.
Good Easter ...	Village Hall ... ..	Last Thursday, 2.30 p.m.
East Hanningfield	Women's Institute Hall ...	1st Tuesday, 2 p.m.
South Hanning field ...	Women's Institute Hall, Downham ... ..	1st Friday, 2 p.m.
Ingatstone ...	Working Men's Club ...	2nd & 4th Fridays, 2 p.m.
Great Leighs ...	Village Hall ... ..	2nd Tuesday, 2.30 p.m.
Rettendon ...	Village Hall ... ..	2nd Wednesday, 2 p.m.
Roxwell ...	Village Hall ... ..	2nd Thursday, 2.30 p.m.
Springfield ...	Baptist Chapel ... ..	Every Thursday, 2 p.m.
Stock ... ..	Congregational Schoolroom	3rd Thursday, 2 p.m.
Great Waltham...	Village Hall ... ..	3rd Tuesday, 2 p.m.
Little Waltham...	Chapel Schoolroom ...	1st Tuesday, 2 p.m.
Woodham Ferrers	Congregational Schoolroom	2nd Monday, 2 p.m.
South Woodham	Village Hall ... ..	1st Monday, 2 p.m.
Writtle ... ..	Village Hall ... ..	2nd & 4th Tuesdays, 2.30 p.m.
Highwood ...	Iron Room... ..	4th Wednesday, 2.30 p.m.



## ANTE-NATAL CLINIC.

Chelmsford and Essex Hospital, London Road, Chelmsford, Tuesdays,  
2.30 p.m.

Rettendon, Village Hall, 1st Wednesday, 10 a.m.

Women's Welfare Clinic, Coval Lane Clinic, Chelmsford, 2nd and 4th Thurs-  
days, 10 a.m.

Coval Lane Ante-Natal Clinic, Mondays, 10 a.m.

## TUBERCULOSIS DISPENSARY.

Address :  
Broomfield Hospital,  
Chelmsford.

Hours of Session :  
Mondays and Wednesdays,  
10—12 noon.

## VENEREAL DISEASES.

Treatment is available at the Chelmsford and Essex Hospital, London  
Road, Chelmsford, and at Essex County Hospital, Colchester.

## MINOR AILMENT CLINIC.

Coval Lane, Chelmsford, Tuesday to Friday 9—11 a.m.  
Doctor attends Fridays.

## OPHTHALMIC CLINIC.

Coval Lane, Chelmsford, Mondays 2 p.m., Wednesdays 10 a.m.

## DENTAL CLINIC.

Coval Lane, Chelmsford, Monday to Friday 9 a.m.—4.30 p.m.  
(by appointment).

## CHILD GUIDANCE CLINIC.

"Highfields," London Road, Chelmsford (by appointment).

## SPEECH CLINIC.

5, Market Road, Chelmsford, Wednesdays & Fridays 10 a.m.  
except 5th Friday.

## PHYSIOTHERAPY CLINIC. (by appointment only)

Coval Lane, Chelmsford, Mondays 2 p.m., Tuesdays 10 a.m.,  
Wednesdays 9.30 a.m.

(An Orthopaedic Specialist attends every two months).

## ASCERTAINMENT CLINIC.

Coval Lane, Chelmsford, Once every two months (by appointment).

## IMMUNISATION CLINIC.

Coval Lane, Chelmsford, 1st Monday 2—4 p.m.

## PREVALENCE AND CONTROL OF INFECTIOUS DISEASES GENERALLY

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During the year 176 cases of infectious diseases (exclusive of Tuberculosis) were notified compared with 828 during 1951. The decline was due to fewer cases of measles and whooping cough. The cases of measles occurred, mainly, during the last month of the year, which proved to be the beginning of an epidemic which continued into 1953.

Diphtheria has been absent for seven consecutive years, and during the last fourteen years no death has occurred from this disease in the District. The type of scarlet fever has again been of a mild nature. This is the fifteenth consecutive year in which no death has occurred from scarlet fever in the district.

Three cases of acute poliomyelitis (infantile paralysis) were notified. They all suffered from paralysis. Two were bulbar—one proving fatal.

Two cases of Food Poisoning were notified in one family but inquiries did not elicit the illness to be due to food contamination.

During the year the number of persons falling ill and requiring medical attention was not excessive. The number for the first quarter was approximately 73%, second quarter 22% and fourth quarter 36% above that of the third quarter.

Details of the incidence of notifiable infectious diseases classified according to age and locality are given on pages 10 and 11.



TABLE SHOWING LOCAL DISTRIBUTION OF CASES  
NOTIFIED DURING THE YEAR.

PARISH	Anterior Poliomyelitis	Erysipelas	Dysentery	Food Poisoning	Infective Hepatitis	Measles	Ophthalmia Neonatorum	Pneumonia	Scarlet Fever	Whooping Cough	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Totals
Great Baddow	1	3	—	—	—	4	—	—	5	—	6	—	19
Little Baddow	—	—	—	—	—	1	—	—	—	—	1	—	2
Borcham ...	—	1	1	—	—	7	—	—	—	2	3	—	14
Broomfield	—	1	—	—	—	13	—	—	1	1	4	—	20
Chignall ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Danbury ...	—	1	1	—	—	4	—	—	7	—	1	—	14
Good Easter	—	—	—	—	—	—	—	—	—	—	—	—	—
East Hanningfield	—	1	—	2	—	—	—	—	—	2	—	—	5
South Hanningfield	—	—	—	—	—	22	—	—	3	5	1	—	28
West Hanningfield	—	—	—	—	—	4	—	—	—	1	—	—	8
Ingatstone & Fryerning	—	—	—	—	—	5	—	—	—	—	—	—	1
Great & Little Leighs	—	—	—	—	—	—	—	—	1	—	—	—	5
Margaretting	—	—	—	—	—	—	—	—	—	—	—	—	1
Mashbury	—	—	—	—	—	—	—	—	—	—	—	—	—
Mountnessing	—	—	—	—	—	2	—	—	—	1	—	1	4
Pleshey ...	—	—	—	—	—	1	—	—	—	—	—	—	1
Rettendon	—	—	—	—	—	1	—	—	—	1	1	—	3
Roxwell ...	—	—	—	—	—	1	—	1	4	1	—	—	7
Runwell ...	—	1	—	—	—	14	—	—	2	4	1	—	22
Sandon ...	—	—	—	—	—	—	—	—	—	—	1	—	1
Springfield	—	1	—	—	—	6	—	—	—	1	1	—	9
Stock ...	—	—	—	—	—	1	—	—	4	—	—	—	5
Great Waltham	—	—	—	—	—	1	—	—	—	—	—	—	1
Little Waltham	—	—	—	—	—	3	1	—	—	—	1	—	5
Woodham Ferrers	1	—	—	—	—	2	—	—	6	2	—	—	12
Writtle ...	1	—	—	—	1	4	—	1	2	4	4	—	17
TOTALS	3	9	2	2	1	96	1	2	35	25	27	1	204



NOTIFIABLE DISEASES DURING THE YEAR.

Infectious Diseases	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 and over	Cases admitted to Hospital
Anterior Pollomyelitis ...	3	—	—	—	—	2	—	—	—	—	1	—	—	3
Erysipelas ...	9	—	—	—	—	—	—	—	—	1	2	5	1	4
Measles ...	96	2	5	7	10	8	59	2	—	2	1	—	—	2
Pneumonia ...	2	—	—	—	—	—	—	—	1	—	—	—	1	1
Food Poisoning ...	2	—	—	—	—	—	—	—	—	—	—	2	—	—
Scarlet Fever ...	35	—	1	—	2	5	19	6	1	1	—	—	—	20
Infective Hepatitis ...	1	—	—	—	—	—	—	—	—	—	1	—	—	—
Whooping Cough ...	25	—	3	3	7	2	10	—	—	—	—	—	—	—
Dysentery ...	2	—	—	—	—	—	—	—	1	1	—	—	—	—
Ophthalmia Neonatorum...	1	1	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS ...	176	3	9	10	19	17	88	8	3	5	5	7	2	30

**TUBERCULOSIS.**

The following table gives particulars of new cases of Tuberculosis and deaths during the year.

Age Periods	*New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	—	—
1—5 ...	—	1	1	—	—	—	—	—
5—10 ...	2	1	—	—	—	—	—	—
10—15 ...	—	1	—	—	—	—	—	—
15—20 ...	1	1	—	—	—	—	—	—
20—25 ...	1	1	—	—	—	—	—	—
25—35 ...	3	5	—	—	—	—	—	—
35—45 ...	2	2	—	—	—	1	—	—
45—55 ...	5	—	—	—	—	1	—	—
55—65 ...	—	—	—	—	1	—	—	—
65 & over ...	1	—	—	—	—	—	—	1
TOTALS ...	15	12	1	—	1	2	—	1

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



## WATER SUPPLY

A constant piped water supply is provided from the mains of the Council, the Southend Waterworks Company (these are in the statutory area of the Company which includes the parish of Mountnessing and part of the parish of South Hanningfield) and two small private supplies in the parishes of Boreham and Great and Little Leighs. A few houses in various parishes are supplied from the mains of neighbouring water authorities.

The water from the Council's mains is purchased under statutory authority from the South Essex Waterworks Company. The supply is by gravitation from the reservoir at Danbury and from the trunk mains of the Company. At three points—Danbury, Ingatestone and Stock—there are electric automatic boosting plants to provide a supply to the high levels in these localities.

At the 31st March, 1953, the Water Engineer was able to report to the Drainage and Water Committee that of the 11,244 houses in the Council's area of supply 10,882 houses (96·8 per cent.) were on route of mains and 10,625 houses (94·4 per cent.) were provided with supply from the mains.

In the statutory area of the Southend Waterworks Company there are 633 houses and of these the Company provide water supply to 562 houses.

Of the 11,877 houses in the district, 11,474 (96·6 per cent.) were on route of mains and 11,187 (94·1 per cent.) were provided with a water supply from the mains.

With the proposed mains extensions approved by the Ministry, a further 72 houses will be on the route of mains.

When these extensions are completed, the number of houses in the District without a piped water supply available will be reduced to 331 (2·8 per cent.)

Seventeen houses outside the District are supplied from the Council's mains (Borough of Chelmsford, 4; Rural Districts of Braintree, 6; Dunmow, 2; Maldon, 3; and Urban District of Billericay, 2). In addition, bulk supply is provided for the Rural District of Braintree at three points—at Ranks Green and Fuller Street in the parish of Great and Little Leighs and at Damases Lane in the parish of Boreham.

Connections with the mains of neighbouring water authorities have been made at Main Road, Broomfield, One Bridge, Roxwell Road, Writtle and near 'Running Mare' Galleywood Great Baddow (to the Chelmsford Borough mains) and at Ingatestone/Mountnessing and Runwell/Wickford boundaries and at Woodham Ferrers (to the mains of the Southend Waterworks Company).



During 1949 a few householders complained of the discolouration of the water from the Council's mains. The South Essex Waterworks Company carried out treatment with lime at their works and no further complaints were received.

During 1950, the Hanningfield Water Order, 1950, was confirmed. It operates as from 1st March, 1951. The Order gives authority to the Southend and South Essex Waterworks Companies to provide a reservoir in South and West Hanningfield parishes. The area purchased by the two Companies is approximately 1,400 acres, of which 960 acres will be flooded. They are authorised to extract water, not exceeding 43 million gallons in any period of 14 days, from the Chelmer and Blackwater Rivers. The Order also authorises the Chelmsford Rural District Council to make application for water reservation.

The reservoir will submerge 19 dwellings (South Hanningfield, 12; West Hanningfield, 7). In addition, in the area to be acquired, 9 dwellings (South Hanningfield) may have to be destroyed and probably 8 will remain intact. The capacity of the reservoir will be six thousand million gallons. During 1952, the works were under construction.

During the year ended 31st March, 1953, water was supplied throughout the District as follows:

**A.** *From the South Essex Waterworks Company*

(i)	Great Baddow area (Butts Green No. 1 connection)...	63,051,000
(ii)	Danbury area (Butts Green No. 2 connection)	117,347,000
(iii)	Ingatestone, Margaretting and Writtle (West Hanningfield connection)	70,583,000
(iv)	Northern area (Danbury reservoir connection)	133,287,000
(v)	Stock area (Downham Road connection)	9,274,000
(vi)	Seaman Lane, Stock (1 connection from trunk main to supply 4 houses)	43,000
(vii)	Danbury (1 connection from trunk main to supply 5 houses)	49,000
(viii)	South Hanningfield (1 connection from trunk main to supply 4 houses)	667,000
(ix)	West Hanningfield (3 connections from trunk main to supply 3 houses)	431,000
(x)	Sandon (3 connections from trunk main to supply 5 houses)	629,000
(xi)	Stock (1 connection from trunk main to supply 1 house)	71,000
Total from South Essex Waterworks Co.		395,432,000



<b>B.</b>		<i>From the Southend Waterworks Company</i>	
(i)	Mountnessing parish	... ..	5,911,000
(ii)	South Hanningfield parish (part of)	...	7,121,000
(iii)	Woodham Ferrers parish (small part of)	...	97,000
Total from Southend Waterworks Co.			13,129,000
Total from South Essex Waterworks Co.			395,432,000
Gross total from the two companies			408,561,000
Less amount supplied to Braintree Rural District Council included under A (iv) above			1,368,000
Net amount supplied to Chelmsford Rural District			407,193,000

This total of 407,193,000 gallons of water supplied during the year to consumers in the District compares with 370 million gallons the previous year.

During the year under review, the average daily consumption was 1,115,597 gallons.

Included in the total supplied by the South Essex Waterworks Company are 1,847,000 gallons supplied direct to consumers through meters.

The South Essex Waterworks Company provided nearly 97 per cent of the total water distributed in the District.

The District Council has statutory rights for a bulk water supply from the Borough of Chelmsford (Chelmsford Water Act, 1923), the Southend Waterworks Company (Southend Waterworks Act, 1924), the South Essex Waterworks Company (South Essex Waterworks Act, 1935) and from the proposed Hanningfield Reservoir (The Hanningfield Water Order, 1950).

Included in the number of houses with a piped water supply are :—

- 16—Springfield supplied from Borough of Chelmsford mains.
- 4—Good Easter supplied from Dunmow Rural District mains.
- 1—Great Waltham supplied from Dunmow Rural District mains.
- 1—Roxwell supplied from Ongar Rural District mains.
- 4—Great and Little Leighs supplied from Braintree Rural District mains.



- 1—Runwell from Southend Company's main (outside Company's area).  
 5—Danbury direct from South Essex trunk mains.  
 4—South Hanningfield direct from South Essex Trunk mains.  
 3—West Hanningfield direct from South Essex Trunk mains.  
 5—Sandon direct from South Essex Trunk mains.  
 1—Stock direct from South Essex Trunk mains.

Hutments included in total of houses supplied are :—

Boreham	}	Boreham	...	...	...	668
Great and Little Leighs		Aerodrome	...	...	...	855
Little Waltham			...	...	...	438
Danbury (Gibcracks Militia Camp)			...	...	...	388
Chignal (Bedells Cross)			...	...	...	38
Roxwell (Cross Keys Camp)			...	...	...	100
Roxwell (Boyton Cross Militia Camp)			...	...	...	355
Total ...						2800

At the end of March, 1953, the Council's Water Supply Undertaking comprised 217 miles of watermains, (an increase of 5 miles during the year) made up as follows :—

Northern Area				Miles	
Up to 6" diameter	...	...	...	73.0	
6" diameter and over	...	...	...	22.5	95.5
Southern Area					
Up to 6" diameter	...	...	...	98.0	
6" diameter and over	...	...	...	23.5	121.5
					217.0 miles

The following table shows the number of supplies afforded from these mains.

## COUNCIL'S AREA OF SUPPLY

Parish	Number of Houses and Hutments					
	Total	Supplied with water from mains	Not connected but on route of existing mains	Not on route of existing mains	On route of proposed extensions	After extensions completed mains not available
Great Baddow (s.p.a.)	1,690	1,684	—	6	—	6
Great Baddow (o.s.p.a.)	416	398	8	10	2	8
Little Baddow ...	309	282	9	18	6	12
Boreham ...	455	406 (66)	23	26	19	7
Roomfield ...	583	580	3	—	—	—
Wignall ...	128	123 (3)	2	3	—	3
Canbury ...	826	810 (38)	12	4	—	4
Wood Easter ...	123	120	3	—	—	—
East Hanningfield ...	133	132	—	1	—	1
South Hanningfield ...	107	96	3	8	—	8
(D.C. area of supply.)						
West Hanningfield ...	206	188	4	14	7	7
Gatestone ...	782	768	2	12	—	12
Great & Little Leighs	414	366 (85)	23	25	2	23
Margaretting ...	246	210	17	19	9	10
Washbury ...	42	39	3	—	—	—
Eshey ...	124	119	3	2	—	2
Boxwell ...	344	286 (45)	35	23	—	23
Winwell ...	457	422	13	22	12	10
Wetendon ...	324	320	3	1	—	1
Wendon ...	271	264	4	3	—	3
Wingfield ...	150	117	11	22	—	22
Wock ...	392	363	7	22	3	19
Great Waltham ...	556	488 (43)	39	29	—	29
Little Waltham ...	390	372	9	9	—	9
Woodham Ferrers ...	696	670	1	25	—	25
Writtle (s.p.a.) ...	860	825	7	28	—	28
Writtle (o.s.p.a.) ...	220	177	13	30	12	18
Totals ...	11,244	10,625(280)	257	362	72	290

## SOUTHEND COMPANY'S AREA OF SUPPLY

South Hanningfield ... (part of)	338	316	6	16	—	16
Woodham Ferrers ...	1	1	—	—	—	—
Wountnessing ...	294	245	24	25	—	25
Totals ...	633	562	30	41	—	41
Grand Totals ...	11,877	11,187	287	403	72	331

Note. Included are two private piped supplies—one in Great and Little Leighs for 23 houses and one in Boreham providing a supply to 13 houses—and those supplied direct by other authorities.

The figures in brackets in the 2nd column refer to the supplies by communal stand-pipes. The number is high owing to the number of hutments supplied from stand-pipes.



*Schedule of New Supplies Afforded from the Mains during year ended 31st March, 1953.*

	Existing Premises	New Houses	New Council Houses	Other Premises	Trade Supplies	Domes- tic and Trade supplies	Existing pre- mises where meters have been inserted for other than domestic purposes
Great Baddow ...	—	99	20	1	2	—	3
Little Baddow ...	6	2	—	—	2	5	1
Boreham ...	—	3	—	1	3	1	1
Broomfield ...	2	—	6	—	1	—	1
Chignall ...	1	—	—	1	3	1	—
Danbury ...	11	6	4	1	5	—	3
Good Easter ...	2	—	—	—	—	—	—
East Hanningfield ...	—	1	—	1	4	—	1
South Hanningfield ...	2	—	—	—	—	—	—
West Hanningfield ...	1	1	—	—	3	—	—
Ingatstone & Fryerning ...	—	12	—	1	1	—	2
Great and Little Leighs ...	2	4	2	—	2	1	—
Margaretting ...	—	6	—	—	—	—	—
Mashbury ...	10	2	—	—	—	1	—
Pleshey ...	9	1	10	—	—	—	—
Rettendon ...	—	1	—	—	1	—	1
Roxwell ...	9	—	14	—	—	—	—
Runwell ...	—	5	—	1	1	1	—
Sandon ...	—	4	—	—	—	—	—
Springfield ...	—	—	—	—	—	—	—
Stock ...	3	4	12	—	1	—	—
Great Waltham ...	10	5	62	—	3	—	2
Little Waltham ...	6	1	4	—	4	—	1
Woodham Ferrers ...	5	2	—	1	1	4	—
Writtle (s.p.a.) ...	2	4	28	—	2	1	3
Totals	81	163	157	8	41	15	19

This is an increase of 465 supplies during the year.

*Schedule of the Number of Supplies Afforded by  
Meter at 31st March, 1953.*

	Diameter of Meters									Total No. of Meters
	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{2}$ "	2"	3"	4"	6"	
Great Baddow (s.p.a.)	2	69	16	4	—	2	—	—	—	93
Great Baddow (o.s.p.a.)	6	34	11	5	—	—	—	—	—	56
Little Baddow ...	4	27	9	—	—	—	—	—	—	40
Boreham ...	6	32	15	1	—	2	—	—	—	56
Broomfield ...	2	32	8	—	—	—	—	—	1	43
Chignai ...	2	16	4	—	—	—	—	—	—	22
Danbury ...	5	58	11	3	—	1	—	—	—	78
Good Easter ...	1	10	1	—	—	—	—	—	—	12
East Hanningfield ...	16	29	7	—	—	—	—	—	—	52
South Hanningfield ...	3	23	4	1	—	—	—	—	—	31
West Hanningfield ...	8	23	10	—	—	—	—	—	—	41
Ingatestone ...	20	65	27	2	—	—	—	—	—	114
Great and Little Leighs	—	21	11	—	—	—	2	—	—	34
Margaretting ...	18	24	9	1	—	—	—	—	—	52
Mashbury ...	—	3	3	—	—	—	—	—	—	6
Pleshey ...	2	8	4	—	—	—	—	—	—	14
Rettendon ...	12	59	14	2	—	—	—	—	—	87
Roxwell ...	—	24	6	1	—	1	—	—	—	32
Runwell ...	3	19	3	—	—	—	1	—	—	26
Sandon ...	4	38	4	2	—	—	—	—	—	48
Springfield ...	3	11	3	—	—	—	—	—	—	17
Stock ...	11	52	10	—	—	—	—	—	—	73
Great Waltham ...	13	32	9	1	—	—	—	—	—	55
Little Waltham ...	4	43	13	—	—	—	—	—	—	60
Woodham Ferrers ...	7	88	14	—	—	—	—	—	—	109
Writtle (s.p.a.) ...	13	43	21	4	1	1	—	1	—	84
Writtle (o.s.p.a.) ...	5	19	6	2	—	—	—	—	—	32
	170	902	253	29	1	7	3	1	1	1,367

This is an increase of 59 metered supplies during the year as against 98 for the previous year.



Water mains extensions carried out by the Council during year ended 31st March, 1953 were as follows :—

	<i>Length of main in yards</i>	<i>Diameter of main in inches</i>
Green Street, Ingatestone ... ..	1,411	4
Green Street to Rectory Farm, Ingatestone ...	645	4
Creep hedge Lane, Woodham Ferrers ... ..	448	3
Chalk End to R.D. Boundary, Roxwell ... ..	1,040	4
Hoe Street, Roxwell ... ..	1,600	3
Stock Road, Stock ... ..	287	4
Southend Road, Sandon ... ..	342	4

HOUSING ESTATES extensions were carried out as follows :

Kingsway Housing Estate, Great Baddow ... ..	264	4
South Street Estate, Great Waltham ... ..	471	3
Court Estate, Broomfield ... ..	994	3 & 4
Sawkins Estate, Great Baddow ... ..	1,039	3
Pine Drive, Ingatestone ... ..	170	3
Paradise Road, Writtle ... ..	260	3

Total length of extensions	<u>8,971</u>
----------------------------	--------------

In addition the following renewals were carried out :—

Blind Lane, West Hanningfield ... ..	1,279	4
Rettendon Hall to Bell P.H. ... ..	2,309	4
Rettendon Common Road ... ..	1,729	4
Rosehill Farm to Quilters Farm, Woodham Ferrers ... ..	809	4

Total length of renewals	<u>6,126</u>
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This is equivalent to 5.097 miles of new mains and 3.48 miles of mains renewed as against 7.67 miles during the previous year.

In addition, galvanised service mains were laid as follows :—

Eyotts Farm Estate, Woodham Ferrers...	720	$\frac{3}{4}$
Bennetts Avenue, East Hanningfield ...	324	$\frac{3}{4}$

In addition Southend Waterworks Company laid the following mains :—

Mountnessing ... ..	370	2
Mountnessing ... ..	450	3

**PARTICULARS OF BURST COUNCIL WATER MAINS  
AND SERVICES REPAIRED DURING YEAR**

<i>Parish</i>	<i>Burst Mains</i>	<i>Burst Services</i>
Great Baddow ... ..	14	12
Little Baddow ... ..	1	7
Boreham ... ..	2	5
Broomfield ... ..	—	1
Chignall ... ..	—	1
Danbury ... ..	6	11
Good Easter ... ..	1	—
East Hanningfield ...	11	5
South Hanningfield ...	1	2
West Hanningfield ...	8	3
Ingatestone and Fryerning	—	14
Great and Little Leighs ...	1	—
Margaretting ... ..	1	6
Mashbury ... ..	1	—
Mountnessing ... ..	—	—
Pleshey ... ..	3	—
Rettendon ... ..	18	12
Roxwell ... ..	3	1
Runwell ... ..	3	7
Sandon ... ..	6	4
Springfield ... ..	—	2
Stock ... ..	2	2
Great Waltham ... ..	4	2
Little Waltham ... ..	2	—
Woodham Ferrers ... ..	16	12
Writtle ... ..	8	9
<b>Totals</b>	<b>112</b>	<b>118</b>

Burst mains during previous year totalled 65  
 Burst services during previous year totalled 102



During the year it was necessary to cart 15,600 gallons of water to householders as follows:—

Foxborough Chase, West Hanningfield	...	2,400	gallons
Joes Lane, Downham ... ..	...	3,600	„
Dowsetts Lane, Ramsden Heath	...	9,600	„
		<hr/>	
		15,600	
		<hr/>	

Arrangements have been made for extending the mains to provide a supply to Foxborough Chase, West Hanningfield and Joes Lane, Downham. The extension for Dowsetts Lane, Ramsden Heath, is under consideration.

# **SOUTH ESSEX WATERWORKS COMPANY**

## **ANALYSIS OF SAMPLES OF WATER PUMPED FROM THE WORKS AT LANGHAM AND LAYER-DE-LE-HAYE**

*(CHEMICAL RESULTS IN PARTS PER MILLION)*

	Langham	Layer-de-la-Haye
Appearance ... ..	Clear and Bright	Clear and Bright
Colour A.P.H.A. ... ..	10	under 10
Turbidity, silica scale ...	under 0.5	under 0.5
Odour ... ..	Nil	Nil
Taste ... ..	Nil	Nil
Electric Conductivity 20°C.	720	550
Total solids 180°C. ... ..	504	385
Reaction P.H. ... ..	7.8	7.9
Residual Chlorine ... ..	0.32	0.24
Chlorides as Cl. ... ..	34	39
Nitrate Nitrogen ... ..	7.9	2.6
Nitrite Nitrogen ... ..	Nil	Nil
Hardness, permanent ... ..	152	136
" temporary ... ..	246	150
" Total ... ..	398	286
Free Ammonia ... ..	0.08	0.14
Albuminoid Nitrogen ... ..	0.09	0.14
Oxygen absorbed 4hrs. 27°C.	1.20	1.33
Metals ... ..	Nil	Nil
Colony Count per m.l. on Agar 1 day at 37°C. ... ..	9	7
Ditto 3 days at 20°C. ... ..	18	8
Presumptive coli absent in Bact. Coli absent in ... ..	100 ml.	100 ml.
Cl. Welchii Absent in ... ..	100 ml.	100 ml.



*Copy of a Recent Analysis of Water from the Southend Waterworks  
Company's Mains.*

Chemical Results in parts per Million		
Appearance	...	Clear and Bright
Turbidity (Silica Scale)	...	Less than 0.3
Colour A.P.H.A.	...	Nil
Odour	...	Nil
Reaction pH	...	8.6
Free Carbon Dioxide	...	Absent
Electric Conductivity at 20°C.	...	1080
Total Solids, dried at 180°C.	...	720
Chlorine in Chlorides	...	176
Alkalinity as Calcium Carbonate	...	210
Hardness : Total	...	65
Carbonate	...	65
Non-Carbonate	...	Nil
Nitrogen in Nitrates	...	2.2
Nitrogen in Nitrites	...	less than 0.01
Free Ammonia	...	0.00
Albuminoid Ammonia	...	0.035
Oxygen Absorbed in 4 hrs. at 27°C.	...	0.45
Residual Chlorine	...	Absent
Metals	...	0.05 (Iron)
Fluorine	...	2.5

#### BACTERIOLOGICAL RESULTS

Number of Colonies developing on Agar per ml. in—

1 day at 37°C. = 10

2 days at 37°C. = 18

3 days at 20°C. = 40

Presumptive Coliform

Reaction	...	Absent from 100ml.
Bact. coli	...	Absent from 100ml.
Cl. Welchii Reaction	...	Absent from 100ml.

These results are indicative of a water which is pure and wholesome in character and suitable for drinking and domestic purposes.

## SEWERAGE

Sewers are provided in the more populous areas of the following Parishes :—

Great Baddow, Broomfield, Ingatestone and Fryerning, Mountnessing, Runwell, Great Waltham (Village area) Little Waltham and Writtle.

The Great and Little Waltham sewers were completed during 1950. Of the remaining areas the position is as follows :—

Great Baddow, Little Baddow, Boreham, Danbury and Springfield : A combined scheme to serve these areas was submitted to the Ministry, but the Local Inquiry has not been held.

Ingatestone and Fryerning, Margaretting, Mountnessing and Stock : A combined scheme to serve these areas was submitted to the Ministry, but a Local Inquiry has not been held.

South Hanningfield (Ramsden Heath) : A scheme was submitted to the Ministry. After a Local Inquiry the Ministry approved the scheme, and sanctioned the construction of the section to serve the council housing estate.

Roxwell : A scheme was submitted to the Ministry. After a Local Inquiry the Ministry approved the scheme, but has not yet given a starting date.

Pleshey : A scheme was submitted to the Ministry. After a Local Inquiry the Ministry approved the scheme, but has not yet given a starting date.

Great Waltham (Ford End) : A scheme has been approved by the Ministry, but a starting date has not yet been given.

Great and Little Leighs, Woodham Ferrers (north) and Woodham Ferrers (south) :—These schemes are being considered by the Council.

During the year, 163 (as against 120 for 1951) existing properties were connected to the sewers as follows :—

Great Baddow (S.P.A.) 50, Broomfield 2, Runwell 2,  
Little Waltham 47, Mountnessing 1, Great Waltham 47  
and Ingatestone 14.



## STREET LIGHTING

Chelmsford Rural District Council administer Public Lighting in the following Parishes and Contributory Places :—

Great Baddow (s.p.a.), Great Baddow (o.s.p.a.), Broomfield, Danbury (one lamp), Ingatestone, Margaretting, Mountnessing, Roxwell, Stock, Little Waltham and Writtle (s.p.a.).

Urban Powers have also been granted by the Minister of Housing and Local Government to enable the Council to administer this service in the Parishes of East Hanningfield, Rettendon, Springfield and Woodham Ferrers.

All expenses of providing and maintaining the service in these Parishes have been declared by the Minister to be Special Expenses chargeable upon the individual Parishes and Contributory Places.

Parish Councils who have adopted the Lighting and Watching Act, 1833, and administer Public Lighting in their Parishes are :—

Runwell and Great Waltham.

All expenses of providing and maintaining the service are chargeable upon the parishes concerned.

In Ingatestone and Fryerning, street lighting is by gas. In the parish of Mountnessing the street lighting is being changed from gas to electricity, except 2 lamps where at present electricity is not available. In the remaining areas street lighting is by electricity.

The expenses in connection with existing installations are met by means of Special Rates upon the individual parishes, with the exception of the Improved Main Road Lighting in Great Baddow (s.p.a.), Broomfield and Writtle (s.p.a.). The last two are under construction and will be in operation during 1953. In the case of these lamps, the Contributory Place, by resolution of the Council, bears an amount equal to the annual maintenance costs of ordinary type lamps, the excess annual costs being met as General Expenses payable out of the General Rate. A supply of electricity is available in the populous areas of all parishes.

## HOUSING

The Rural District is within the area of the East Central Essex Planning Committee.

The Council, under delegated powers, deals with applications for permission to develop.

During the seven post-war years ending 31st December, 1952, the Council had completed 871 houses and private enterprise 416 (73 by a housing association—12 in 1950, 20 in 1951 and 41 in 1952).

In addition, at the end of 1952, a further 209 Council houses and 112 (34 by a housing association) privately owned houses were under construction. This makes a total of 1,608 houses completed or under construction during the seven years ending 31st December, 1952.

The table on page 28 gives detailed particulars of Council houses. The table on page 29 gives particulars of the number of houses erected since the beginning of 1946. The number of outstanding applicants for Council houses is 1,559, compared with 1,554 a year ago, and an increasing number of new applications is coming in.

Of the permanent houses in the district, 16 per cent. are owned by the Council.



## Council Houses.

PARISH	HOUSES ERECTED UNDER					Totals
	The Housing Act 1890	Housing (assisted scheme) 1919	The Housing (Financial Provisions) Act, 1924	Prefabricated Bungalows 1944	1925/46 Housing Acts	
Baddow, Great (s.p.a.) ...	—	51	57	30	158	296
Baddow, Great (o.s.p.a.) ...	—	12	16	—	67	95
Baddow, Little ...	6	—	8	—	12	26
Boreham ...	—	—	46	—	60	106
Broomfield ...	—	—	40	20	64	124
Chignall ...	—	—	8	—	2	20
Danbury ...	6	25	4	—	64	99
Good Easter ...	—	6	—	—	14	20
Hanningfield, East ...	—	—	12	—	17	29
Hanningfield, South ...	6	—	—	—	10	16
Hanningfield, West ...	—	—	4	—	16	20
Ingatestone & Fryerning ...	2	30	32	20	90	174
Leighs, Great & Little ...	—	—	16	—	26	36
Margaretting ...	—	6	—	—	26	32
Mashbury ...	—	—	—	—	—	—
Mountnessing ...	—	8	—	—	50	58
Pleshey ...	—	—	4	—	25	29
Rettendon ...	—	—	26	—	5	31
Roxwell ...	—	—	12	—	67	79
Runwell ...	—	—	—	—	30	30
Sandon ...	4	4	6	—	31	45
Springfield ...	—	—	—	—	38	38
Stock ...	—	—	10	—	39	49
Waltham, Great (Village) ...	—	—	20	—	42	62
Waltham, Great (Ford End) ...	—	—	12	—	21	33
Waltham, Little ...	—	—	6	—	28	34
Woodham Ferrers ...	—	4	24	—	38	66
Writtle (s.p.a.) ...	—	16	102	20	101	239
Writtle (o.s.p.a.) ...	—	—	12	—	10	22
TOTALS ...	24(a)	162	477	90	1,151(b)	1,908

(a) Includes 2 Waterworks Cottages in Ingatestone.

(b) Includes 2 Racecourse Cottages in Baddow, Great (o.s.p.a.)

10 Agricultural Cottages :—

Hanningfield, West 4,

Writtle (s.p.a.) 4,

Ford End 2.

6 Cottages purchased by Council :—

Baddow, Great (s.p.a.) 1,

Baddow, Great (o.s.p.a.) 3,

Ford End 2.

Of the 26 houses in Rettendon under the 1924 Act, 14 were transferred from Runwell in 1948 owing to alteration in parish boundaries.

TABLE SHOWING THE NUMBER OF HOUSES ERECTED DURING THE 6 YEARS  
1946-52, AND THOSE IN COURSE OF ERECTION AT END OF 1952

PARISH	Council Houses erected during					In course of erec- tion end of 1952	Private Houses erected during					Totals	
	1946 -1948	1949	1950	1951	1952		Totals	1946 -1947	1949	1950	1951		1952
Great Baddow (s.p.a.) ...	(a)48	8	18	19	—	93	56	4	15	24	55	154	
Great Baddow (o.s.p.a.) ...	24	—	8	14	—	46	11	1	—	—	—	12	
Baddow, Little ...	4	—	—	—	—	4	6	3	2	2	2	15	
Boreham ...	12	2	18	4	—	36	6	4	3	—	—	15	
Broomfield ...	(d)46	2	—	5	20	73	—	1	—	2	—	3	
Chignall ...	—	2	—	—	—	2	1	—	—	—	—	1	
Danbury ...	8	21	7	7	21	64	5	3	6	1	2	17	
Good Easter ...	3	3	2	—	—	8	—	—	—	—	—	—	
Hanningfield, East ...	6	—	—	5	—	11	—	—	—	—	—	—	
Hanningfield, South ...	10	—	—	—	—	10	18	3	2	2	4	29	
Hanningfield, West ...	—	12	—	—	—	12	3	—	—	1	—	4	
Ingatstone & Fryerning ...	(b)42	—	—	34	—	76	4	3	1	—	2	10	
Leighs, Great & Little ...	—	9	—	5	6	20	2	2	—	—	—	4	
Margaretting ...	—	—	—	—	14	14	16	2	—	2	4	24	
Mashbury ...	—	—	—	—	—	—	—	—	—	—	—	—	
Mountnessing ...	—	—	12	10	—	22	1	—	—	1	—	2	
Pleshey ...	—	—	15	—	10	25	1	—	—	—	1	2	
Rettendon ...	—	5	—	—	—	5	6	—	1	1	—	9	
Roxwell ...	8	13	—	7	25	53	1	2	1	2	—	6	
Runwell ...	12	8	—	10	—	30	15	3	1	2	1	22	
Sandon ...	8	—	—	—	13	21	11	—	—	1	2	14	
Springfield ...	4	22	—	—	—	26	—	—	—	—	—	—	
Stock ...	6	—	10	9	10	35	5	1	—	—	2	8	
Waltham, Great... ..	18	17	8	8	8	59	2	4	1	2	2	11	
Waltham, Little ...	8	—	—	13	7	28	1	1	2	4	—	8	
Woodham Ferrers ...	4	—	—	—	16	20	14	1	3	3	3	24	
Writtle (s.p.a.) ...	(c)48	—	—	—	26	74	15	4	1	1	1	22	
Writtle (o.s.p.a.) ...	—	—	—	—	—	—	—	—	—	—	—	—	
Totals ...	319	124	98	150	176	867	209	200	(c)39	(f)47	(g)88	416	

Includes 90 Prefabricated Bungalows :— (a) 30, (b) 20, (c) 20, (d) 20. Also (c) includes 12, (f) 20 and 41 erected by a housing association in Great Baddow (s.p.a.)

At end of 1952 there were 112 private houses under construction :— Gt. Baddow 56 (24 Housing Association), Little Baddow 5, Boreham 4, Danbury 10, South Hanningfield 2, West Hanningfield 1, Ingatstone 5, Great and Little Leighs 6, Margaretting 3, Mountnessing 1, Runwell 3, Sandon 3, Stock 3, Woodham Ferrers 8, and Writtle 2.



TABLE SHEWING POPULATION AND NUMBER OF HOUSES AT CENSUS 1931, ESTIMATED POPULATION 1952 AND THE NUMBER OF HOUSES AT THE END OF DECEMBER, 1952

PARISH	Area in statute acres (land and inland water)	Census, 1931		Estimated Population at end of 1952	Number of Houses and Hutments at end of 1952
		Population	Houses		
Baddow, Great ... ..	3805	3652	962	6882	*2106
Baddow, Little ... ..	2755	751	198	1027	309
Boreham ... ..	3802	1078	269	1502	455
Broomfield ... ..	1848	1310	433	1925	583
Chignall ... ..	2303	350	104	409	128
Danbury ... ..	3495	1807	475	2730	826
Good Easter ... ..	1988	403	103	409	123
Hanningfield, East ... ..	2519	500	117	439	133
Hanningfield, South ... ..	4930	1071	306	1459	445
Hanningfield, West ... ..	3105	521	135	680	206
Ingatestone & Fryerning ... ..	3920	2352	620	2585	782
Great & Little Leighs, ... ..	4276	886	246	1367	414
Margaretting ... ..	2616	638	162	812	246
Mashbury ... ..	898	143	41	139	42
Mountnessing ... ..	2775	749	438	971	294
Pleshey ... ..	1712	272	75	406	124
Rettendon ... ..	4048	794	200	1070	324
Roxwell ... ..	4782	774	194	1136	344
Runwell ... ..	1674	678	190	1509	457
Sandon ... ..	2377	618	150	895	271
Springfield ... ..	1842	388	116	495	150
Stock ... ..	3555	976	185	1291	392
Waltham, Great ... ..	5776	1941	542	1816	556
Waltham, Little ... ..	2840	720	190	1271	390
Woodham Ferrers ... ..	4756	1353	391	2295	697
Writtle ... ..	8109	3111	831	3520	†1080
TOTALS ... ..	86506	27836	7673	39040	11877

\* In Great Baddow s.p.a. 1690. † In Writtle s.p.a. 860.

Hutments taken over by the R.D.C. and included in the above total are :—

Boreham Aerodrome ... ..	194
Danbury (Militia Camp) ... ..	38
Chignall (Bedells Cross) ... ..	3
Roxwell (Cross Keys Camp) ... ..	10
Roxwell (Militia Camp) ... ..	35
TOTAL ... ..	280

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

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) ... ..	176
(b) Number of Inspections made for the purpose	984
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations ... ..	29
(b) Number of Inspections made for the purpose	118
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..	11
(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 ... ..	122

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 ... ..	109
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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 ... ..	19
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
By Owners ... ..	41

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

(1) Number of dwelling-houses in respect of which Demolition Orders were made ... ..	4
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders :—	
By Owners ... ..	2
(3) Number of dwelling-houses rendered fit for human habitation as a result of owners complying with undertakings to carry out works of repair—	2



## SANITARY INSPECTION OF THE AREA

**Slaughterhouses.** There are eleven licensed slaughter-houses in the area, and although not in general use, several were used for the slaughter of home-reared pigs and goats.

**Knackers Yards.** There is one in the District, in the parish of Great Baddow. This is a modern building erected during 1935. It is regularly inspected and no cause for complaint has arisen.

**Moveable Dwellings.** During the year, sixty-four licences were in force under Section 269 of the Public Health Act, 1936.

The consent of the Planning Authority was previously obtained by the applicants.

**Swimming Pool, The Chase, Ingatestone.** The capacity of this open-air swimming pool is 180,000 gallons and it is fitted with a continuous purification plant. Sanitary accommodation is provided for both sexes.

**May-Phil Swimming Pool, Battlesbridge.** This open-air sea water swimming pool is situated about 250 yards from the Chelmsford—Southend Road on the bank of the River Crouch.

The size of the pool is 175ft. by 45ft. 6ins., with a depth varying from 3ft. to 8ft. 6ins. and its capacity is 312,000 gallons. A continuous purification plant is provided.

Sanitary accommodation is provided for both sexes.

**Water Analysis.** Samples of water were taken by the Chief Sanitary Inspector's Department as follows:

New mains	...	...	11
Other Mains	...	...	2
Swimming Pools	...	...	2
Ponds	...	...	1
Wells	...	...	7

# INSPECTIONS AND PARTICULARS OF NOTICES FOR THE YEAR, 1952.

Nature of Inspection	Total Inspec- tions	Notices Out- stand- ing at end of 1951	Notices Served		Notices		Out- stand- ing at end of 1952
			Informal	Statutory	Complied with	Cancelled	
Infectious Disease Inquiries	87	—	—	—	—	—	—
Infectious Disease Disinfections ... ..	6	—	—	—	—	—	—
Houses Inspected under Public Health or Housing Acts ... ..	147	101	47	5	99	1	53
Houses "Carded" under Public Health or Housing Acts ... ..	29	—	—	—	—	—	—
Re-inspections under Housing Acts ... ..	301	—	—	—	—	—	—
Re-inspections under Public Health Acts ... ..	407	—	—	—	—	—	—
Overcrowding ... ..	7	—	—	—	—	—	—
Dirty Condition of Houses	14	3	—	—	2	—	1
Other Nuisances in Houses	42	—	—	—	—	—	—
Water Closets ... ..	58	11	10	1	12	1	9
Privies and Pail Closets ... ..	197	10	9	2	8	2	11
House Drainage ... ..	867	70	94	21	113	10	62
Other Drainage ... ..	72	3	9	1	5	1	7
Water Supply ... ..	345	93	50	15	78	27	53
Urinals ... ..	29	1	1	—	—	—	2
Pig-Styes ... ..	49	—	6	—	2	—	4
Animals Improperly Kept	13	—	—	—	—	—	—
Rats, Mice and Insect Pests	224	1	7	—	2	—	6
Tents, Vans, Sheds and Similar Structures ... ..	661	—	2	—	—	—	2
Schools ... ..	26	2	2	—	—	—	4
Milk Retailers' Premises ... ..	54	1	—	—	1	—	—
Ice Cream Premises ... ..	75	—	2	—	2	—	—
Bakehouses ... ..	44	7	4	—	4	—	7
Restaurants and Cafes ... ..	47	8	2	—	2	—	8
Public Houses ... ..	75	13	6	—	10	1	8
Fresh and Fried Fish Shops	31	—	—	—	—	—	—
Slaughterhouses and Butchers' Shops ... ..	130	—	—	—	—	—	—
Knackers Yards ... ..	51	—	—	—	—	—	—
Other Food Preparation and Food Shops ... ..	196	15	4	—	6	—	13
Inspections under the Shops Acts ... ..	—	—	—	—	—	—	—
Factories:—							
(a) with Mechanical Power	58	3	4	—	3	—	4
(b) without Mechanical Power	26	—	—	—	—	—	—
Public Cleansing:—							
Dustbins ... ..	11	26	22	1	8	1	40
Refuse Dumps ... ..	362	—	—	—	—	—	—
Miscellaneous ... ..	357	—	—	—	—	—	—
Control of Civil Building ... ..	17	—	—	—	—	—	—
Miscellaneous ... ..	174	15	54	—	48	2	19
TOTALS ... ..	5,289	383	335	46	405	46	313



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

Ashbins provided	...	...	...	...	...	8
Brick footings repaired	...	...	...	...	...	3
Brick walls repaired	...	...	...	...	...	10
Chimney flues repaired	...	...	...	...	...	4
Chimney pots provided	...	...	...	...	...	1
Chimney stacks repaired or re-pointed	...	...	...	...	...	9
Ceiling plasters, repaired or renewed	...	...	...	...	...	33
Coppers repaired or provided	...	...	...	...	...	7
Damp-proof courses provided	...	...	...	...	...	1
Dampness remedied other than by d.p.c.	...	...	...	...	...	20
Door furniture provided	...	...	...	...	...	6
Door frames, repaired or renewed	...	...	...	...	...	12
Eavesgutters and downspouts repaired or renewed	...	...	...	...	...	22
External wall plaster repaired or renewed	...	...	...	...	...	8
Fireplaces and stoves, repaired or renewed	...	...	...	...	...	27
Floors repaired or re-laid	...	...	...	...	...	25
Foodstores provided or repaired	...	...	...	...	...	3
Foundations repaired	...	...	...	...	...	1
Handrails provided to staircases	...	...	...	...	...	6
Hearths repaired	...	...	...	...	...	1
Internal wall plaster repaired or renewed	...	...	...	...	...	46
Internal walls repaired	...	...	...	...	...	3
Pails provided to sink wastes	...	...	...	...	...	17
Roofs repaired or renewed	...	...	...	...	...	30
Rooms converted to kitchens	...	...	...	...	...	2
Sashcords renewed	...	...	...	...	...	22
Sinks provided or repaired	...	...	...	...	...	30
Sink waste pipes provided or renewed	...	...	...	...	...	28
Staircases provided or repaired	...	...	...	...	...	7
Washing accommodation provided	...	...	...	...	...	1
Washhouses repaired	...	...	...	...	...	2
Weatherboarded walls renewed or repaired	...	...	...	...	...	6
Windows provided or reconstructed	...	...	...	...	...	11
Window sills repaired or renewed	...	...	...	...	...	2
Window frames repaired or renewed	...	...	...	...	...	29
Yard gully surrounds repaired	...	...	...	...	...	4
Yards or paths repaired or paved	...	...	...	...	...	4
Miscellaneous repairs	...	...	...	...	...	21
Cesspools cleansed	...	...	...	...	...	2
Cesspool pumps repaired or provided	...	...	...	...	...	1
Chemical closets provided	...	...	...	...	...	3
Choked drains cleansed	...	...	...	...	...	4



Drainage systems altered or repaired	...	...	...	7
Drainage cut off from ditches, water courses etc.	...	...	...	51
Foul ditches cleansed	...	...	...	1
Hot water boilers repaired or renewed	...	...	...	1
Hot water units provided	...	...	...	8
Inspection covers repaired or renewed	...	...	...	3
Main water supply provided	...	...	...	55
Main water supply extended	...	...	...	8
Pail closet structures repaired or renewed	...	...	...	8
Sanitary accommodation provided to public houses	...	...	...	4
Sanitary annexe constructed	...	...	...	1
Sewer connections	...	...	...	7
Sewage disposal plants : provided 1, cleansed 4	...	...	...	5
Urinals provided with flushing apparatus	...	...	...	1
Urinals repaired or provided	...	...	...	5
Wash-hand basins provided	...	...	...	1
Water closet flushing apparatus repaired or renewed	...	...	...	3
Water closet pedestals provided	...	...	...	3
Water closets provided	...	...	...	4
Water closet structures repaired or renewed	...	...	...	3
Water pipes, taps repaired	...	...	...	3
Water butts provided	...	...	...	3
Miscellaneous work done	...	...	...	50

### MILK SUPPLY

The Ministry of Agriculture and Fisheries is responsible for the administration of dairy farms, and this Council, under the Milk and Dairies Regulations, 1949, for the registration of distributors (who are not also producers) of milk, and for issuing dealers' licences and supplementary licences as set out below :—

#### Milk and Dairies Regulations, 1949.

Number of registered milk distributors with premises in the District	...	...	...	...	...	16
Number of registered milk distributors with premises outside the District	...	...	...	...	...	10

#### Milk (Special Designation) (Raw Milk) Regulations, 1949.

Number of dealers' licences in force during the year authorising the use of the special designation :

Accredited	...	...	...	...	...	4
Tuberculin Tested	...	...	...	...	...	9



Number of supplementary licences in force during the year authorising the use of the special designation :

Accredited	...	...	...	...	...	1
Tuberculin Tested	...	...	...	...	...	7

Milk (Special Designation) (Pasteurised and Sterilised Milk) Regulations, 1949.

Number of dealers' licences in force during the year authorising the use of the special designation :

Pasteurised	...	...	...	...	...	11
Sterilised	...	...	...	...	...	14

Number of supplementary licences in force during the year authorising the use of the special designation :

Pasteurised	...	...	...	...	...	6
Sterilised	...	...	...	...	...	4

### Milk Sampling

During the year forty-three samples of milk were submitted for examination :—

	<i>Number</i>	<i>Satisfactory</i>	<i>Unsatisfactory</i>
Ordinary ... ..	6	4	2
Tuberculin Tested	6	6	—
Tuberculin Tested (Pasteurised)	12	12	—
Pasteurised ... ..	16	16	—
Sterilised ... ..	3	3	—

### Meat and Other Foods

The inspection of food is an important duty of the Chief Sanitary Inspector's Department as will be seen in the following table.

The majority of animals are at present slaughtered in slaughterhouses outside the District, but meat exposed for sale or deposited for manufacture in premises within the district is regularly inspected.

The following were condemned as unfit for human consumption :—

Number of tins of :—

Anchovies	1	Rock Lobster	1
Apple Puree	2	Salmon	3
Apricots	2	Sardines	11
Baby Food	1	Shrimps	6
Baked Beans	39	Soup	23
Beans	4	Spinach	1
Blackberries	5	Strawberries	6
Braised Hearts	1	Tomatoes	17
Brislings	3	Number of Jars of :—	
Broad Beans	2	Apricots	15
Broth	1	Chutney	1
Carrots	10	Jam	4
Cherries	28	Meat Paste	1
„ (14 oz. size)	98	Pickle	2
„ (16 oz. size)	300	Virol and Milk	2
Chopped Pork	2	Number of bottles of :—	
Condensed Milk	18	Bovril	1
Crab	4	Ketchup	1
Crushed Apple	6	Number of Packets of :—	
Damsons	10	Cheese Spread	16
Dressed Crab	6	Rissole Mixture	9
Evaporated Milk	25	Miscellaneous :—	
Fruit Salad	2	1 ton 6 cwt., 1qr. 20 lbs., Australian	
Grapes	5	Apples	
Grapefruit	1	131 lb. Apricot Pulp	
Grapefruit segments	6	4½ „ Baby Cereal	
Gooseberries	3	33¼ „ Bacon	
Jam	2	24 „ Blackberry Pulp	
Jellied Veal (12 lb. size)	1	4 „ Blackcurrant Pulp	
Luncheon Meat	22	10 „ Butter Beans	
„ „ (12 oz size)	25	7 „ Cheese	
„ „ (7 oz. size)	17	4 „ Chocolate	
Ham (total weight 144 lb.)	15	151 „ Currants	
Ham and Veal Loaf	1	14 „ Dabs	
Herring Roes	2	5 „ Figs	
Mandarines	3	294 „ Frozen Kippers	
Marmalade	2	95½ „ Haricot Beans	
„ (2 lb. size)	10	122 „ Ham	
Minced Beef Loaf	3	300 „ Home-killed Beef	
Mincemeat	2	336 „ Kippers	
Orange Slices	8	10 „ Licorice Allsorts	
Oranges in syrup	5	188 „ Luncheon Sausage	
Peaches	1	97½ „ Pate de Guaves	
Peas	81	10 „ Peach Pulp	
Pears	10	12 „ Pineapple slices	
Pilchards	5	57 „ Pork Cuttings	
Pineapple	6	1¼ „ Pork Luncheon Meat	
Pineapple Juice	4	113½ „ Prunes	
Plums	90	6 „ Raspberry Pulp	
Pork Brawn	1	18 „ Suet	
Pork Luncheon Meat	11	20 „ Soup Powder	
„ „ „ (4lb size)	2	4 Cream Rolls	
Prunes	1	32 Fruit Cakes	



### BAKEHOUSES

The following table shows the number of bakehouses in occupation at the end of the year :—

GREAT BADDOW	...	...	Carters (Gt. Baddow) Ltd.
BROOMFIELD	...	...	G. H. Follett.
DANBURY	...	...	H. Digby.
			H. Smith
			E. Roast.
			E. S. Upson.
GOOD EASTER	...	...	J. E. Ruckert.
SOUTH HANNINGFIELD	...	...	G. Warder.
INGATESTONE AND FRYERNING			E. Warder.
			S. Raven
GREAT AND LITTLE LEIGHS	...		J. Fleuty.
MARGARETTING	...	...	G. O. Raven.
RETTENDON	...	...	H. and E. Benson
			Martin Rose, Ltd.
STOCK	...	...	A. C. Cottee.
GREAT WALTHAM	...	...	Bigg Bros.
LITTLE WALTHAM	...	...	E. W. Amos.
WOODHAM FERRERS	...	...	Taylor and Woodland.
WRITTLE	...	...	A. W. Hance.

### ESSEX COUNTY COUNCIL ACT, 1933.

#### Ice Cream.

At the end of the year there were 106 registered vendors of ice cream, and one wholesaler-distributor who purchases his supplies from outside the District. There is one manufacturer of ice cream in the District. During the year he moved to new premises which have been fitted out with equipment complying with the requirements of the Ice Cream (Heat Treatment, etc.) Regulations, 1947-52.

The retailer's source of supply is investigated before certificates are issued.

Section 14 of the Food and Drugs Act, 1938, which deals with the registration of ice cream premises is not in force in the District as the above local Act was already in force.

### Ice Cream Sampling.

One hundred and two samples of ice cream were submitted to the bacteriologist for examination. The grades of the Ministry of Health Provisional Grading Scheme into which these samples were placed, together with the results for previous years, were as follows :—

		1952	1951	1950
Grade	I	79	69	41
	„ II	19	26	25
	„ III	2	11	4
	„ IV	2	4	5

Five samples of ice-lollies were also taken and all of these proved satisfactory. They are not subject to grading under the above-mentioned scheme.

## MINISTRY OF FOOD MODEL BYELAWS SERIES 1.

The above Model Byelaws have been prepared to assist local authorities in making byelaws under Section 15 of the Food and Drugs Act, 1938, for securing the observance of sanitary and cleanly conditions and practices in connection with the handling, wrapping and delivery of food sold or intended for sale for human consumption, and in connection with the sale of food or exposure of food for sale in the open air.

These Byelaws were adopted without amendment, by the Council on 28th February 1950, confirmed by the Minister of Food on 19th May, 1950, and came into operation on 26th June, 1950.

### FOOD POISONING OUTBREAKS.

<i>Total number of outbreaks</i>	<i>Number of cases</i>	<i>Number of deaths</i>	<i>Organisms or other agents responsible, with number of outbreaks attributable to each</i>	<i>Foods involved, with number of outbreaks associated with each food</i>
NIL	NIL	NIL	NIL	NIL



## ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—INSPECTIONS for the purpose of provisions as to health, including inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	80	26	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	85	102	3	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	—	—	—	—
TOTAL ...	165	128	3	—

2.—CASES IN WHICH DEFECTS WERE FOUND.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	by H.M. Inspector	
Want of Cleanliness (S.1.)	—	—	—	—	—
Overcrowding (S.2.) ...	—	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—	—
Inadequate Ventilation (S.4.) ...	—	—	—	—	—
Ineffective Drainage of Floors (S.6.) ...	—	—	—	—	—
Sanitary Conveniences (S.7.) { Insufficient ...	2	2	—	1	—
{ Unsuitable or Defective ...	2	3	—	—	—
{ Not separate for sexes ...	—	—	—	—	—
Other Offences against the Act (not including offences relating to outwork) ...	—	—	—	—	—
TOTAL ...	4	5	—	1	—

## OUTWORK

Nature of Work (1)	Section 110				Section 111	
	No. of out-workers in August list required by Sect. 110 (1) (c) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecu- tions for failure to supply lists (4)	No. of instances of work in unwholesome premises (5)	Notices served (6)	Prosecutions (7)
Wearing apparel—Making, etc.	3	—	—	—	—	—
Feather sorting ... ..	—	—	—	—	—	—
TOTAL ... ..	3	—	—	—	—	—



## PUBLIC CLEANSING

A comprehensive refuse collection scheme was maintained in operation throughout the year.

The establishment of the public cleansing service personnel was seven until the commencement of the comprehensive collection scheme in the autumn of 1947, when it was raised to twenty. The actual number employed has often been above this as 'floaters' have been carried to cushion the effect of men leaving and to deal with the increasing number of houses. This increase is due to extensions to the existing scheme and new houses. The total number of houses from which refuse is collected is over eleven thousand and about a quarter of a million visits are made each year.

The difficulties of obtaining and retaining the necessary number of workmen are well-known to the Council and are not peculiar to this authority, though it is acute here owing to the proximity of large factories engaged in the re-armament programme as well as in normal trade.

In order to maintain the establishments of seven from 1946 to mid-1947 and twenty from mid-1947 to end of 1952, eighty-six men have been engaged. In other words, the whole establishment has changed four times in seven years. During 1952, nine men entered the service and ten left. It is little wonder that under these circumstances houses are missed from time to time owing to the men's unfamiliarity with the rounds.

At the end of the year eight of the collectors were able to drive and were employed as driver-loaders. Five of the eight have been taught to drive whilst in the Council's employment.

The transport for this service consists of the following vehicles:

<i>Vehicle No.</i>	<i>Make</i>	<i>Capacity in cu. yds.</i>	<i>Date Purchased</i>	<i>Mileage for 1952</i>
2	Dennis	7	1943	7,487
3	Shelvoke and Drewry (Mark II)	11.3	1947	5,839
4	Shelvoke and Drewry (Mark II)	11.3	1947	7,792
5	Shelvoke and Drewry (W Type)	11.3	1948	5,907
6	Shelvoke and Drewry (W Type)	11.3	1950	8,368
	Austin A.40 pick-up (1950)	—	1952	2,326

The Austin was purchased in September to replace a five-year old Ford van.

**Refuse Disposal.**

The controlled dumps at Southend Road, Great Baddow and at Broomfield remained in constant use. These dumping sites are privately owned but no rents are being paid.

**NIGHT SOIL COLLECTION.**

Night soil collection in the following parishes is carried out by a contractor.

<i>Parish</i>					<i>No. of Houses</i>
Rettendon :					
Battlesbridge	...	...	...	...	35
Hoe Lane	...	...	...	...	14
Great Waltham...	}	...	...	...	85*
Little Waltham...					
Woodham Ferrers	...	...	...	...	56

\*As at December, 1952. The original number of 186 houses will be further reduced as premises become connected to the main sewerage system.

**PETROLEUM LICENCES IN FORCE DURING 1952**

The number of petroleum spirit licences in force during the year was 147 (storage capacity 110,300 gallons). During the previous year the number of licences was 147, the total storage capacity being 111,350 gallons.

Storage of cellulose under licence in respect of three premises was also granted,



## STATISTICS AND SOCIAL CONDITIONS OF THE AREA

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

Census population, 1951 ... 39,258 (males 18,814, females 20,444).

Population (estimated, June 1952) ... 39,040

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

Number of families or separate occupiers (1931) 7,441

Number of houses including hutments 31st December, 1952 ... 11,877

The rateable value of the district for the half-year commencing—

1st April, 1952, was £217,110

1st April, 1953, was £224,022

The sum represented by a penny rate, year ended

31st March, 1952 ... £866 17 5

31st March, 1953 ... £893 0 8

### Social Conditions.

The chief occupation in the District is still agriculture. The male working population in this and associated occupations at the 1921 census was 45 per cent. of the total male working population, and in 1931, 35 per cent. This latter figure is still a substantial proportion of the male working population. A number residing in the parishes adjacent to the Borough of Chelmsford are employed in industrial works in the borough.

# EXTRACTS FROM VITAL STATISTICS OF THE YEAR

		Total	Male	Female	
Live Births	{ Legitimate ...	549	295	254	Birth-rate (R.G.) 15·1
	{ Illegitimate ...	41	24	17	
Still Births	{ Legitimate ...	9	7	2	Rate per 1,000 births
	{ Illegitimate ...	—	—	—	
Deaths	... ..	402	194	208	Death-rate (R.G.) 10·3

## Deaths from:—

Enteritis and diarrhoea under 2 years of age	...	Nil
Pregnancy, childbirth, abortion	... ..	Nil

## Number of deaths of infants under 1 year of age 16 :—

Males, 8 (illg. 2) Females 8 (illg. 1),

The following tabular statement shows age and cause of death of infants under 1 year of age.

Cause of death	LIVED FOR				
	less than 24 hours	1-7 days	1-4 weeks	1-10 months	Totals
Atelectasis	—	2	—	—	2
Premature birth	2	—	—	—	2
Delay in birth	2	2	—	—	4
Congenital defects	1	—	2	1	4
Accident	—	—	1	1	2
Other known cause	1	—	—	1	2
Totals	6	4	3	3	16

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

All infants per 1,000 live births	... ..	27·1
Legitimate infants per 1,000 legitimate live births	... ..	23·6
Illegitimate infants per 1,000 illegitimate live births	... ..	—
Deaths from Malignant neoplasm (all ages)	... ..	59
“ “ “ “ of lungs and Bronchus	... ..	7
Deaths from Measles (all ages)	... ..	Nil
Deaths from Whooping Cough (all ages)	... ..	Nil
Deaths of infants under 4 weeks of age, Males 8, Females, 5	... ..	13



Natural increase of population, namely, the excess in the number of live births over the number of deaths since 1942 is shown in the following tabular statement.

Year	Number of Births	Deaths	increase
1942	600	372	228
1943	584	387	197
1944	670	427	243
1945	586	358	228
1946	693	396	297
1947	770	428	342
1948	726	371	355
1949	690	391	299
1950	642	405	237
1951	589	413	176
1952	590	402	188

### Comparative Table of Birth and Death Rates During the Year, 1952.

	Rate per 1,000 Resident Population		Deaths under One Year per 1,000 registered Live Births
	Live Births	Deaths from all causes	
England and Wales ... ..	15·3	11·3	27·6
160 County Boroughs and Great Towns, including London ...	16·9	12·1	31·2
160 Smaller Towns with resident population of from 25,000 to 50,000 at 1951 Census... ..	15·5	11·2	25·8
Chelmsford Rural District ...	15·1	10·3	27·1

Death rate for Chelmsford Rural District when corrected for age and sex was 9·1 per 1,000 population.

The deaths classified according to age were as follows:—

	Number of Deaths							
	Occurring in district		Of non-residents occurring in district		Of residents occurring outside district		Allotted to district	
	M	F	M	F	M	F	M	F
Under 1 year ... ..	1	6	—	1	7	3	8	8
1 and under 2 ... ..	—	—	—	—	—	1	—	1
2 " " 5 ... ..	1	—	1	—	1	1	1	1
5 " " 15 ... ..	2	—	1	—	1	—	2	—
15 " " 25 ... ..	1	—	1	—	1	—	1	—
25 " " 35 ... ..	5	1	5	—	4	1	4	2
35 " " 45 ... ..	6	2	3	2	5	4	8	4
45 " " 55 ... ..	8	4	4	3	6	7	10	8
55 " " 65 ... ..	22	17	7	9	12	14	27	22
65 " " 75 ... ..	43	41	16	22	18	24	45	43
75 and over ... ..	52	112	14	46	50	53	88	119
Totals ... ..	141	183	52	83	105	108	194	208



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

Cause of Death	Males	Females	Totals
Tuberculosis, respiratory ... ..	1	2	3
Tuberculosis, other ... ..	—	1	1
Syphilitic disease ... ..	—	—	—
Diphtheria ... ..	—	—	—
Whooping Cough ... ..	—	—	—
Meningococcal infections ... ..	—	—	—
Acute poliomyelitis ... ..	2	—	2
Measles ... ..	—	—	—
Other infective and parasitic diseases	—	1	1
Malignant neoplasm, stomach... ..	3	3	6
Malignant neoplasm, lung, bronchus ...	6	1	7
Malignant neoplasm, breast ... ..	—	8	8
Malignant neoplasm, uterus ... ..	—	4	4
Other malignant and lymphatic neoplasms ... ..	21	13	34
Leukaemia, aleukaemia ... ..	2	—	2
Diabetes ... ..	—	2	2
Vascular lesions of nervous system ...	19	43	62
Coronary disease, angina ... ..	36	23	59
Hypertension with heart disease ... ..	6	3	9
Other heart disease ... ..	24	28	52
Other circulatory disease ... ..	12	12	24
Influenza ... ..	—	—	—
Pneumonia ... ..	15	10	25
Bronchitis ... ..	10	3	13
Other diseases of respiratory system	1	4	5
Ulcer of Stomach and duodenum ... ..	4	5	9
Gastritis, enteritis and diarrhoea ... ..	—	2	2
Nephritis and nephrosis ... ..	—	4	4
Hyperplasia of prostate ... ..	3	—	3
Pregnancy, childbirth, abortion ... ..	—	—	—
Congenital malformations ... ..	2	3	5
Other defined and ill-defined diseases	15	25	40
Motor vehicle accidents ... ..	5	—	5
All other accidents ... ..	4	8	12
Suicide ... ..	2	—	2
Homicide and operations of war ... ..	1	—	1
All causes ... ..	194	208	402

## PARISH BOUNDARY REVISIONS

Since 1946 parish boundary revisions as shown on pages 51 and 52 of that year's report have been further revised as follows :—

1948 : An area of 980 acres transferred from Great Waltham to Pleshey.

An area of 254 acres transferred from Great Waltham to Little Waltham.

The parishes of Great and Little Leighs were combined as Great and Little Leighs parish.

An area of 396 acres transferred from Runwell to Rettendon.

1950 : An area of 129.011 acres transferred from Margaretting to Ingatestone.

An area of 118.625 acres transferred from Writtle to Margaretting.

An area of 341.754 acres transferred from Ingatestone to Margaretting.

1951 : No revision.

1952 : No revision



## INDEX

	Page(s)
Ambulance Facilities ... ..	6
Bakehouses ... ..	38
Burials ... ..	6
Civic Restaurant ... ..	6
Clinics and Treatment Centres ... ..	7, 8
Committees ... ..	4, 5
Factories ... ..	40
Food Inspection ... ..	36-39
Hospitals ... ..	5
Housing ... ..	26-31
Ice Cream ... ..	38, 39
Infectious Diseases ... ..	9-12
Knackers Yard ... ..	32
Laboratory Facilities ... ..	5
Maternity and Child Welfare ... ..	6-8
Milk Supply ... ..	35, 36
Mortuaries ... ..	6
Moveable Dwellings ... ..	32
Nursing Homes ... ..	5
Outworkers ... ..	41
Petroleum Licences ... ..	43
Public Cleansing ... ..	42, 43
Residential Club for Elderly People ... ..	5
Revision of Parish Boundaries ... ..	49
Sanitary Inspection of Area ... ..	32-35
Sewerage ... ..	25
Slaughterhouses ... ..	32
Staff ... ..	3
Street Lighting ... ..	26
Swimming Pools ... ..	32
Vital Statistics ... ..	44-48
Water Supply ... ..	13-24

