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Contributors

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CHELMSFORD
RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER of HEALTH

(JOHN F. MACDONALD, M.D., D.P.H.)

(Barrister-at-Law)

FOR

1950.

SOUTHEND :

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

1951.

CENSUS 1951 - PRELIMINARY REPORT

Area in Statute acres (Land and Inland Water)	Population			
	Census	Persons	Males	Females
	1951	39,258	18,814	20,444
	1931	27,836	13,628	14,208
	Censal Increase	11,422	5,186	6,236
Increase as percentage of 1931 population = 41.0				

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LONDON ROAD,
CHELMSFORD.

26th June, 1951

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 1950.

The Death Rate for the year per 1,000 population was 10.4 compared with 10.1 for 1949, and the Birth Rate was 16.4 compared with 17.9 for the previous year.

Of the 405 deaths allotted to the District, 184 equal to 40% were over 75 years of age, 105 or 26 per cent. over 80, and 13 or 3 per cent. over 90 years of age. The total number of deaths of persons under the age of 45 was 46 or 11 per cent. of the total deaths. Under 1 year of age the total number of deaths was only 14, and with the exception of 2, were due to prematurity or congenital defects.

Heart disease was responsible for 143 deaths, or 35 per cent of the total deaths, Cancer for 72 deaths or over 17 per cent. These two diseases accounted for 215 deaths or more than half of the total.

Except for epidemics of Measles and Whooping Cough, 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, and to Mr. Denton Ogden for helping 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.

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

Deputy Clerk to the Rural District Council : C. A. Bohannon.

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 District of Maldon).

Clerk to Medical Officer of Health : W. D. Hall. (Part time).

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.

*Sanitary Inspectors :—**

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

L. G. Smart, M.R.San.I., M.S.I.A., A.M.I.S.E. (*Commenced duties on 1st April, 1950, and replaced P. E. Kinton who resigned in December, 1949*)

L. W. Eckersley, M.R.San.I., M.S.I.A. (*Resigned in August, 1950, on appointment in Korea under the World Health Organisation of the United Nations*)

G. E. J. Potter, M.R.San.I., M.S.I.A. (*from 1st November, 1950*)

Clerks : F. B. Brewster.

R. H. Hawkes.

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

ENGINEER'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.

HOUSING ESTATES DEPARTMENT.

Estates Surveyor : E. Ollett.

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 Licensing.

Building Contracts.

Re-Housing.

Slum Clearance.

Estates Management.

Drainage and Water.

Fuel and Lighting Advisory.

Catering.

Community Centres.

Council and Staff Joint.

The Council is represented on the :—

Chelmsford Joint Sewerage Committee.

• South-East Essex Superannuation Joint Committee.

Borough of Chelmsford and Rural District Road Safety Committee.

East Central-Essex Area Planning Sub-Committee.

Chelmsford and District Tuberculosis 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' Associations.

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

Laboratory Facilities.

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

Hospitals.

These are now administered by Hospital Boards.

Maternity and Child Welfare is administered by the County Council.

Registered Nursing Homes. These are administered by the Essex County Council. There are two in the district.

Residential Club for Elderly People.

In December, 1947, the Women's Voluntary Services opened at Docklands, Ingatestone, a residential club for elderly people.

The accommodation consists of seventeen single and two double bed-sitting rooms. There are twenty-one residents with a warden in charge and the necessary staff. Admissions are not confined to those living in the Rural District.

Like the twenty-two similar clubs in other counties, the administration is responsible to the W. V. S. Headquarters and three trustees—the Dowager Marchioness of Reading (Chairman of the W. V. S.), the Secretary of the Lord Mayor's Fund and a representative of the Ministry of Health. The day-to-day affairs are vested in a local Management Committee.

The club has received official approval and some of the residents receive supplementation through the local welfare authority. With the present difficulty of housing accommodation and domestic help, such a club is meeting a real need.

To give the club a more homely atmosphere, the residents are allowed to bring some of their own furniture.

Civic Restaurant. The British Restaurant in Great Baddow is now in use as a civic restaurant.

Ambulance Facilities. These are provided by the County Council.

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 General 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.
Ingatestone ...	Working Men's Club ...	2nd & 4th Fridays, 2 p.m.
Great Leighs ...	Village Hall	2nd Tuesday, 2.30 p.m.
Rettendon ...	Village Hall	3rd 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	4th 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, Wednesdays, 2—4 p.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, Monday and Friday 9—11 a.m.

OPHTHALMIC CLINIC.

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

DENTAL CLINIC.

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

CHILD GUIDANCE CLINIC.

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

SPEECH CLINIC.

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

ORTHOPAEDIC CLINIC.

Coval Lane, Chelmsford, Mondays 2 p.m., Tuesdays 10 a.m.,
Wednesdays 10 a.m. (by appointment).

ASCERTAINMENT CLINIC.

Coval Lane, Chelmsford, Once a quarter (by appointment).

IMMUNISATION CLINIC.

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

PREVALENCE AND CONTROL OF INFECTIOUS DISEASES

Infectious Diseases Generally

During the year, 432 cases of notifiable infectious diseases (exclusive of tuberculosis) were notified, compared with 503 for the previous year. Measles and whooping cough were prevalent towards the end of the year and were responsible for no fewer than 359 cases. Fortunately, the type in each of these diseases was not severe.

It is satisfactory to record that another year has passed, being the fifth consecutive year, without a case of diphtheria, and during the last twelve years, no death from this disease has occurred in the District. These results are due, no doubt, mainly to the immunisation carried out among children under fifteen years of age.

Two cases of typhoid fever came under observation, one came into the District during the incubation period and had been infected outside the District; the second was a mild sporadic case. Typhoid and paratyphoid fevers have during recent years almost disappeared from the District. It is sixteen years since a death from either of these diseases occurred in the District. An improved water supply has played no small part in this satisfactory result.

Scarlet fever cases still come under observation. This disease used to be considered a serious one, but now it can almost be classified as a minor ailment. No death has occurred from scarlet fever during the last thirteen years, but there is no guarantee that a more severe type will not occur again.

Infantile paralysis and infective jaundice cases were few in number, but how persons become infected is still in doubt. It is hoped the researches at present being carried out will provide the answer.

During the year a number of persons who had been in contact with a case of smallpox came into the District but, fortunately, none contracted the disease.

Towards the end of the year cases of influenza occurred in the District, but, fortunately, it was of a comparatively mild type.

Details of the incidence of notifiable infectious diseases, classified according to age and locality, are given on Pages 10 and 12.

TABLE SHOWING LOCAL DISTRIBUTION OF CASES
NOTIFIED DURING THE YEAR.

PARISH	Anterior Poliomyelitis	Erysipelas	Infective Hepatitis	Jaundice	Measles	Meningitis	Pneumonia	Puerperal Pyrexia	Scarlet Fever	Typhoid Fever	Whooping Cough	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Totals
Great Baddow	2	1	—	—	13	—	2	—	1	—	5	4	—	28
Little Baddow	—	—	—	—	1	—	2	—	1	—	—	—	—	4
Boreham	1	—	—	—	19	—	—	—	4	—	36	3	1	64
Broomfield	—	—	—	—	5	1	—	—	1	—	1	1	—	10
Chignall	—	—	—	—	3	—	—	—	—	—	—	—	—	3
Danbury	—	1	—	—	56	—	2	—	—	—	5	1	—	65
Good Easter	—	—	—	—	2	—	—	—	2	—	2	—	—	6
East Hanningfield	1	—	—	—	9	—	1	—	1	—	—	—	—	11
South Hanningfield	—	1	—	—	1	—	—	—	3	—	1	—	—	7
West Hanningfield	—	—	—	—	1	—	—	—	—	—	4	—	—	5
Ingatstone & Fryerning	—	1	—	—	9	—	—	—	—	—	4	—	—	14
Great & Little Leighs	—	—	—	—	1	—	—	—	—	—	3	—	—	4
Margaretting	—	1	—	—	3	—	—	—	—	—	1	—	—	5
Mashbury	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mountnessing	—	—	—	—	—	—	—	—	—	—	14	1	—	15
Pleshey	—	—	—	—	1	—	—	—	3	—	—	—	—	1
Rettendon	—	—	—	—	1	—	—	1	2	—	10	—	—	14
Roxwell	—	—	—	—	1	—	—	—	3	—	1	—	—	5
Runwell	—	1	—	—	3	—	1	—	5	—	4	3	—	17
Sandon	—	—	—	—	3	—	—	—	1	—	—	1	—	5
Springfield	—	—	—	—	10	—	—	—	—	1	—	—	—	11
Stock	—	—	—	1	3	—	—	—	2	1	—	—	—	7
Great Waltham	—	—	—	—	1	—	—	—	—	1	1	2	1	6
Little Waltham	—	—	—	—	—	—	—	—	—	—	1	1	—	2
Woodham Ferrers	—	—	9	—	52	—	—	—	8	—	—	1	—	70
Writtle	—	—	—	—	52	—	—	—	7	—	16	—	—	75
TOTALS	4	6	9	1	250	1	8	1	41	2	109	19	3	454

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	—	—	—	—	—	—
5—10 ...	1	—	—	—	—	—	—	—
10—15 ...	1	—	—	—	—	—	—	—
15—20 ...	—	—	—	—	—	—	—	—
20—25 ...	—	1	—	1	—	—	—	1
25—35 ...	2	3	—	1	—	—	—	—
35—45 ...	3	—	1	—	—	—	—	—
45—55 ...	3	2	—	—	—	2	—	—
55—65 ...	1	—	—	—	—	—	—	—
65 & over ...	—	1	—	—	—	1	—	—
TOTALS ...	11	8	1	2	—	3	—	1

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

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 Poliomyelitis ...	4	—	—	—	—	—	2	1	1	—	—	—	—	4
Erysipelas ...	6	—	—	—	—	—	—	—	—	—	1	4	1	—
Infective Hepatitis ...	9	—	—	—	1	—	2	2	1	3	—	—	—	—
Jaundice ...	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Measles ...	250	4	10	24	26	38	115	29	3	1	—	—	—	2
Meningitis ...	1	—	—	—	—	1	—	—	—	—	—	—	—	1
Pneumonia ...	8	—	—	—	—	—	—	2	1	1	2	2	—	1
Puerperal Pyrexia ...	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Scarlet Fever ...	41	1	4	6	7	20	2	1	—	—	—	—	—	23
Typhoid Fever ...	2	—	—	—	—	—	—	—	—	1	1	—	—	2
Whooping Cough ...	109	3	10	17	13	19	42	3	—	—	1	1	—	1
TOTALS ...	432	8	24	47	47	78	163	38	6	8	5	7	1	34

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 piped 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, 1951, as the result of a survey, the Water Engineer was able to report to the Drainage and Water Committee that of the 10,720 houses in the Council's area of supply 10,292 houses (approximately 96 per cent.) were on route of mains and 9,861 houses (approximately 92 per cent.) were provided with supply from the mains.

In the statutory area of the Southend Waterworks Company there are 638 houses and of these the Company provide water supply to 522 houses.

Of the 11,358 houses in the district, 10,816 (approximately 95.2 per cent.) were on route of mains and 10,383 (approximately 91.4 per cent.) were provided with a water supply from the mains.

With the proposed mains extensions approved by the Ministry a further 98 houses will be on route of mains. The Southend Waterworks Company is, at present, extending their mains to cover 48 houses.

When these extensions are completed, the number of houses in the District without a piped water supply available will be reduced to 396 (approximately 3.4 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 parish of Great and Little Leighs and at Damases Lane in parish of Boreham.

Connections with the mains of neighbouring water authorities have been made at Main Road, Broomfield, and One Bridge, Roxwell Road (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 complaints were received during 1950. It is hoped the preventive treatment will continue to prove effective.

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 to be 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 the year ending 31st March, 1951, water was supplied throughout the District, as shown in the following table:—

From South Essex Waterworks Company

	<i>Gallons</i>
Great Baddow area (Butts Green No. 1 connection)	59,452,000
Danbury area (Butts Green No. 2 connection)	106,802,000
Ingatestone, Margaretting and Writtle (West Hanningfield connection) ...	66,096,000
Northern area (Danbury reservoir connection)	107,513,000

	<i>Gallons</i>
Stock area (Downham Road connection)	7,123,000
Seaman Lane (direct to properties from trunk mains)	20,000
	<hr/> 347,006,000

From Southend Waterworks Company's Mains

Mountnessing Parish	5,571,000
South Hanningfield (part of)	8,121,000
Woodham Ferrers	158,000
	<hr/> 13,850,000
Grand Total	<hr/> 360,856,000 <hr/>

The water supply was satisfactory in quality and quantity throughout the year.

South Essex Company provided 96 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), 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).

The following table gives details of the piped water supply of the District, classified according to parish.

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

- 16—Springfield supplied from Borough of Chelmsford's 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).
- 2—Danbury direct from South Essex trunk mains.

Schedule of New Supplies Afforded from the Mains.

	Existing Premises	New Houses	New Council Houses	Other Premises	Trade Supplies	Domes- tic and Trade supplies	Com- munal stand- pipe	Existing pre- mises where meters have been inserted for other than domestic purposes
Great Baddow ...	13	11	—	4	8	—	—	1
Little Baddow ...	1	—	—	—	2	—	—	1
Boreham ...	3	—	9	1	1	1	—	2
Broomfield ...	9	—	9	—	1	2	—	2
Chignall ...	1	—	—	—	—	—	1	2
Danbury ...	6	4	7	—	2	1	—	3
Good Easter ...	7	—	—	—	1	—	—	1
East Hanningfield ...	3	—	5	—	—	2	—	2
South Hanningfield ...	—	—	—	—	—	—	—	—
West Hanningfield ...	18	—	—	—	2	1	—	2
Ingatstone & Fryerning ...	—	—	17	—	4	—	—	4
Great and Little Leighs ...	20	—	5	1	1	2	—	2
Margaretting ...	1	2	—	—	—	—	—	1
Mashbury ...	1	—	—	—	—	1	—	—
Mountnessing ...	—	—	—	—	—	—	—	—
Pleshey ...	19	—	8	—	—	3	—	—
Rettendon ...	—	1	—	—	1	—	—	2
Roxwell ...	6	—	7	—	1	—	—	2
Runwell ...	1	1	—	—	2	—	5	1
Sandon ...	—	—	—	—	5	1	—	1
Springfield ...	4	—	—	—	—	—	—	1
Stock ...	2	1	12	1	2	2	—	—
Great Waltham ...	51	2	—	—	5	6	—	—
Little Waltham ...	7	1	4	—	3	5	—	—
Woodham Ferrers ...	1	2	—	1	3	1	—	6
Writtle ...	28	—	—	1	3	6	3	5
Chelmsford Corporation	4	—	—	—	—	—	—	—
	206	25	83	9	47	34	9	41

This is an increase of 413 supplies during the year,
as against 321 for the previous year.

*Schedule of the Number of Supplies Afforded by
Meter at 31st March, 1951.*

	Diameter of Meters								Total No. of Meters
	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{2}$ "	2"	3"	4"	
Great Baddow (s.p.a.) ...	2	63	17	3	—	1	—	1	87
Great Baddow (o.s.p.a.) ...	6	43	12	4	—	1	—	—	66
Little Baddow ...	16	14	1	—	—	—	—	—	31
Boreham ...	6	28	11	1	—	2	—	—	48
Broomfield ...	1	28	7	—	—	1	—	—	37
Chignall ...	1	7	2	—	—	—	—	—	10
Danbury ...	5	55	9	3	—	—	—	—	72
Good Easter ...	1	9	1	—	—	—	—	—	11
East Hanningfield ...	16	25	4	—	—	—	—	—	45
South Hanningfield ...	2	22	5	—	—	—	—	—	29
West Hanningfield ...	7	16	8	—	—	—	—	—	31
Ingatestone and Fryerning ...	19	68	22	2	—	—	—	—	111
Great and Little Leighs ...	—	18	9	—	—	—	—	—	27
Margaretting ...	17	24	9	1	—	—	—	—	51
Mashbury ...	—	1	2	—	—	—	—	—	3
Pleshey ...	1	5	4	—	—	—	—	—	10
Rettendon ...	12	52	13	2	—	—	—	—	79
Roxwell ...	1	24	5	1	—	1	—	—	32
Runwell ...	1	16	2	—	—	—	1	—	20
Sandon ...	4	33	4	2	—	—	—	—	43
Springfield ...	4	10	3	—	—	—	—	—	17
Stock ...	8	40	5	—	—	—	—	—	53
Great Waltham ...	11	30	5	1	—	—	—	—	47
Little Waltham ...	3	24	11	—	—	—	—	—	38
Woodham Ferrers ...	8	77	12	—	—	—	—	—	97
Writtle (s.p.a.) ...	12	40	23	3	1	—	—	1	80
Writtle (o.s.p.a.) ...	9	19	5	2	—	—	—	—	35
	173	791	211	25	1	6	1	2	1,210

This is an increase of 99 metered supplies during the year as against 122 for the previous year.

Water main extensions carried out during year ended 31st March, 1951 :—

				<i>Length of main in yards</i>	<i>Diameter of main in inches</i>
Broomfield ...	...	Parsonage Green ...	...	1,142	4
Chignall ...	...	Woodside to Borough Boundary	...	1,103	3
"		Brickbarns ...	...	2,087	3
"		St. Nicholas Church ...	...	408	3
Danbury ...	...	The Chase, Gay Bowers ...	...	574	3
Good Easter ...	...	Clatterford End ...	...	2,190	3 & 4
Great & Little Leighs		Hornells area ...	...	1,568	3
" " " "		Leylands Farm area ...	...	448	3
" " " "		The North Whitehouse area	...	542	3
Margaretting ...	...	School Lane ...	...	125	4
Mashbury ...	...	Bards Hall ...	...	2,135	4
Roxwell ...	...	Stonehill Road ...	...	2,275	3
Stock ...	...	Fir Tree Lane ...	...	420	3
"		Whites Hill ...	...	856	3
"		Stock Village to Ship Inn, West			
		Hanningfield ...	...	1,984	4
West Hanningfield		Ship Inn to Beeches Farm	...	427	4
East & West Hanning-					
field ...	...	Southend Road ...	...	4,469	4
Great Waltham ...	...	Littley Green ...	...	3,926	3 & 4
" " ...	...	Fanners Green ...	...	2,189	3 & 4
Woodham Ferrers		The Avenue ...	...	205	3
Housing Estates :		Danbury ...	...	86	3
		Roxwell ...	...	40	3
		Stock ...	...	173	3
		Great Waltham (South St.)	...	113	3
		Little Waltham ...	...	93	3
		Writtle (Victoria Rd.) ...	...	223	3
Total ...				29,801 yards.	

This is 119 yards short of 17 miles to serve 198 houses (exclusive of council houses) as against 8 miles for the previous year.

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

<i>Parish</i>	<i>Burst Mains</i>	<i>Burst Services</i>
Great Baddow	3	16
Little Baddow	1	3
Boreham	2	3
Broomfield	—	3
Chignall	—	1
Danbury	5	13
Good Easter	2	2
East Hanningfield	11	2
South Hanningfield	2	2
West Hanningfield	10	3
Ingatestone and Fryerning	4	6
Great and Little Leighs ...	2	1
Margaretting	2	1
Mashbury	1	2
Mountnessing	—	—
Pleshey	—	—
Rettendon	6	6
Roxwell	2	2
Runwell	11	2
Sandon	7	3
Springfield	—	—
Stock	—	3
Great Waltham	4	3
Little Waltham	1	5
Woodham Ferrers	5	12
Writtle	4	5
Totals	85	99

Burst mains during previous year totalled 124

Burst services during previous year totalled 150

During the year it was necessary to cart 17,550 gallons of water to premises in areas without a piped supply as against 55,150 gallons for previous year.

Good Easter, " Titus "	...	...	...	...	150	Gallons
East and West Hanningfield (Southend Road)	...				8,200	"
South Hanningfield, Dowsetts Lane	...	...			1,600	"
West Hanningfield, " Stock Ship " area	...	...			2,400	"
Little Waltham, Domsey Lane	...	...	...		5,200	"
					<hr/> 17,550	<hr/> "

With the exception of Dowsetts Lane, South Hanningfield, which is in the statutory area of Southend Waterworks Company, watermains have been extended to provide a piped water supply to these localities.

SOUTH ESSEX WATERWORKS COMPANY

RECENT ANALYSIS OF SAMPLE OF WATER

(CHEMICAL RESULTS IN PARTS PER MILLION)

Appearance of sample	Clear and bright
Colour, A.P.H.A.... ..	Under 10
Turbidity, silica scale	—
Odour	Nil
Taste	Nil
Electric Conductivity, 20°C.	700
Total solids, 180°C.	467
Reaction pH.	7.6
"Free" Chlorine	0.12
Chlorides as Cl.	41
Total Oxidised Nitrogen... ..	0.53
Nitrites as N.	—
Hardness permanent	180
,, temporary	185
,, total	365
Free Ammonia	0.11
Albuminoid Ammonia	0.15
Oxygen absorbed 4hrs. at 27°C.... ..	2.10
Metals	0.1

BACTERIOLOGICAL RESULTS

Colony Count per ml., on Agar 1 day at 37°C.	27
Colony Count per ml., on Agar, 3 days at 20°C.	30
Presumptive coliform count per 100 ml.	0
Bact. coli count per 100 mls.	0
Cl. Welchii } Present	—
reaction } Absent	—

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

		Chemical Results in parts per Million
Appearance	...	Bright with very few mineral particles
Turbidity (Silica Scale)	...	Less than 3
Colour	...	Normal (less than 10)
Odour	...	Nil
Reaction pH	...	8.4
Free Carbon Dioxide	...	Absent
Electric Conductivity at 20°C.	...	750
Total Solids, dried at 180°C.	...	500
Chlorine in Chlorides	...	116
Alkalinity as in Calcium Carbonate	...	105
Hardness : Total	...	105
Permanent	...	0 Non-Carbonate
Temporary	...	105 Carbonate
Nitrogen in Nitrates	...	2.4
Nitrogen in Nitrites	...	less than 0.01
Ammoniacal Nitrogen	...	0.507
Albuminoid Nitrogen	...	0.048
Oxygen Absorbed in 4 hrs. at 27°C.	...	0.95
Residual Chlorine	...	0.03
Metals	...	Iron (less than 0.03)
Other Metals	...	Absent

BACTERIOLOGICAL RESULTS

Number of Colonies developing on Agar per c.c. of ml. in—

1 day at 37°C. 0

2 days at 37°C. 0

3 days at 20°C. 0

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.

DRAINAGE AND 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 in principle, but approval to the construction of the works will not be given until some proposals of Billericay Urban District Council are decided upon.

Roxwell : A scheme was submitted to the Ministry and a Local Inquiry held, but the decision of the Ministry has not yet been received.

Pleshey : A scheme was submitted to the Ministry and a Local Inquiry held, but the decision of the Ministry has not yet been received.

Great Waltham (Ford End) : A scheme has been approved by the Council and when negotiations for the land for the purification works are completed, it will be submitted to the Ministry for their approval.

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

During the year 24 connections were made to the sewers as follows :—

Great Baddow (S.P.A.) 16, Broomfield 3, Ingatestone and Fryerning 1, Runwell 1, Little Waltham 2, Writtle 1.

STREET LIGHTING

Street lighting has been provided in the following Parishes :—

Great Baddow, Broomfield, Danbury (one lamp), Ingatestone and Fryerning (by gas), Margaretting, Mountnessing (by gas), Runwell, Great Waltham, Little Waltham and Writtle.

In the case of Runwell and Great Waltham the lighting is administered by the Parish Council under the Lighting and Watching Act.

Street lighting is being installed in the parishes of Roxwell and Stock.

With the exception of Ingatestone and Fryerning and Mountnessing, the lighting is by electricity.

With the exception of Mashbury, a supply of electricity is available in the populous areas of all the parishes.

HOUSING

In 1945, the Council fixed their five year post-war housing programme at 1,043 Council houses. At that time it was not anticipated that the building of houses by private enterprise would be drastically curtailed.

By the end of 1950, the Council had completed 545 dwelling houses, with 148 under construction. In addition, 323 huts were adapted by the Council for temporary living accommodation. Taking into consideration the shortage of labour and materials, the result can be considered as reasonable. During the same period 281 houses were erected by private enterprise.

The Registrar General estimates that during the last five years the population of the District has increased by over 5,000. To house the extra population would require about 1,400 dwellings. It is not surprising to find that, at present, there are 1,451 applicants (compared with 1,832 last year) for Council houses still unsatisfied. This shows that the programme of 1945 was a modest one.

The table on page 28 gives the number of Council houses in each parish. The table on page 29 gives the number of houses erected year by year since the beginning of 1946. Included in the table under private houses are those completed by a Housing Association. The Housing Association has been granted permission to erect 54 houses for an industrial company.

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.

The Council is at present considering the provision of small houses to accommodate elderly people. There is a good deal to be said in favour of one-storey buildings for such tenants. In association with the welfare authority much could be done to prevent elderly people from gravitating to institutions as permanent inmates. These houses would act as 'halfway houses' and, no doubt, would prove more economical than institutions. Moreover, such accommodation would be more attractive to the elderly people than institutional life.

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	139	277
Baddow, Great (o.s.p.a.) ...	—	12	16	—	53	81
Baddow, Little ...	6	—	8	—	12	26
Boreham ...	—	—	46	—	56	102
Broomfield ...	—	—	40	20	39	99
Chignall ...	—	—	8	—	2	10
Danbury ...	6	25	4	—	36	71
Good Easter ...	—	6	—	—	14	20
Hanningfield, East ...	—	—	12	—	12	24
Hanningfield, South ...	6	—	—	—	10	16
Hanningfield, West ...	—	—	4	—	16	20
Ingatestone & Fryerning ...	2	30	32	20	56	140
Leighs, Great & Little ...	—	—	16	—	9	25
Margaretting ...	—	6	—	—	12	18
Mashbury ...	—	—	—	—	—	—
Mountnessing ...	—	8	—	—	40	48
Pleshey ...	—	—	4	—	15	19
Rettendon ...	—	—	26	—	5	31
Roxwell ...	—	—	12	—	35	47
Runwell ...	—	—	—	—	20	20
Sandon ...	4	4	6	—	18	32
Springfield ...	—	—	—	—	38	38
Stock ...	—	—	10	—	20	30
Waltham, Great (Village) ...	—	—	20	—	30	50
Waltham, Great (Ford End) ...	—	—	12	—	17	29
Waltham, Little ...	—	—	6	—	8	14
Woodham Ferrers ...	—	4	24	—	22	50
Writtle (s.p.a.) ...	—	16	102	20	75	213
Writtle (o.s.p.a.) ...	—	—	12	—	10	22
TOTALS ...	24(a)	162	477	90	819(b)	1,572

(a) Includes 2 Waterworks Cottages in Ingatestone.

(b) Includes 2 Racecourse Cottages in Baddow, Great (o.s.p.a.)
12 Houses (Housing Fund) in Writtle (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 194 owing to alteration in parish boundaries.

TABLE SHOWING THE NUMBER OF HOUSES ERECTED DURING THE 5 YEARS
1946-50, AND THOSE IN COURSE OF ERECTION AT END OF 1950

PARISH	Council Houses erected during					In course of erec- tion end of 1950	Private Houses erected during					Totals
	1946	1947	1948	1949	1950		1946	1947	1948	1949	1950	
Great Baddow (s.p.a.) ...	(a)34	14	4	8	18	78	46	8	2	4	15	75
Great Baddow (o.s.p.a.) ...	—	8	16	—	8	32	5	4	2	1	—	12
Baddow, Little ...	—	4	—	—	—	4	1	3	2	3	2	11
Boreham ...	—	—	12	2	18	32	1	1	4	4	3	13
Broomfield ...	—	(d)24	22	2	—	48	—	—	—	1	—	1
Chignall ...	—	—	—	2	—	2	—	1	—	—	—	1
Danbury ...	—	—	8	21	7	36	2	1	2	3	6	14
Good Easter ...	—	—	3	3	2	8	—	—	—	—	—	—
Hanningfield, East ...	—	2	4	—	—	6	—	—	—	—	—	—
Hanningfield, South ...	—	—	10	—	—	10	10	6	2	3	2	23
Hanningfield, West ...	—	—	—	12	—	12	1	—	2	—	—	3
Ingatstone & Fryerning ...	(b)20	12	10	—	—	42	3	1	—	1	—	8
Leighs, Great & Little ...	—	—	—	9	—	9	—	4	—	—	—	4
Margaretting ...	—	—	—	—	—	—	12	—	—	—	—	18
Mashbury ...	—	—	—	—	—	—	—	—	—	—	—	—
Mountnessing ...	—	—	—	—	12	12	1	—	—	—	—	1
Pleshey ...	—	—	—	—	15	15	1	—	—	—	—	1
Rettendon ...	—	—	—	5	—	5	3	3	—	—	—	7
Roxwell ...	—	—	8	13	—	21	—	—	1	—	1	4
Runwell ...	—	—	12	8	—	20	7	6	2	3	1	19
Sandon ...	—	—	8	—	—	8	6	4	1	—	—	11
Springfield ...	—	—	4	—	—	26	—	—	—	—	—	—
Stock ...	—	—	6	22	10	16	3	2	—	—	—	6
Waltham, Great... ..	—	—	16	17	8	43	1	—	1	4	1	7
Waltham, Little ...	—	—	8	—	—	8	1	—	—	1	2	4
Woodham Ferrers ...	—	2	2	—	—	4	4	4	6	1	3	18
Writtle (s.p.a.) ...	(c)28	4	16	—	—	48	9	—	6	4	1	20
Writtle (o.s.p.a.) ...	—	—	—	—	—	—	—	—	—	—	—	—
Totals ...	82	72	169	124	98	545	117	48	35	42	39	281

Includes 90 Prefabricated Bungalows :— (a) 30, (b) 20, (c) 20, (d) 20

TABLE SHEWING POPULATION AND NUMBER OF HOUSES AT CENSUS 1931, ESTIMATED POPULATION 1950 AND THE NUMBER OF HOUSES AT THE END OF DECEMBER, 1950

PARISH	Area in statute acres (land and inland water)	Census, 1931		Estimated Population at end of 1950	Number of Houses and Hutments at end of 1950
		Population	Houses		
Baddow, Great	3805	3652	962	6821	*1984
Baddow, Little	2755	751	198	1042	303
Boreham	3802	1078	269	1578	459
Broomfield	1851	1310	433	1901	553
Chignall	2303	350	104	440	128
Danbury	3495	1807	475	2744	798
Good Easter	1988	403	103	426	124
Hanningfield, East	2519	500	117	433	126
Hanningfield, South	4946	1071	306	1482	431
Hanningfield, West	3105	521	135	698	203
Ingatestone & Fryerning	4133	2352	620	2575	749
Great & Little Leighs,	4276	886	246	1420	413
Margaretting	2284	638	162	767	223
Mashbury	896	143	41	145	42
Mountnessing	2793	749	438	1001	291
Pleshey	1712	272	75	395	115
Rettendon	4045	794	200	1090	317
Roxwell	4782	774	194	1083	315
Runwell	1677	678	190	1303	379
Sandon	2377	618	150	873	254
Springfield	1827	388	116	512	149
Stock	3474	976	185	1296	377
Waltham, Great	5776	1941	542	1860	541
Waltham, Little	2840	720	190	1317	386
Woodham Ferrers	4753	1353	391	2269	660
Writtle	8374	3111	831	3569	†1038
TOTALS	86588	27836	7673	39050	11358

* In Great Baddow s.p.a. 1568.

† In Writtle s.p.a. 817.

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

Boreham	80	} Boreham Aerodrome
Leighs, Great and Little	102	
Waltham, Little	54	
Danbury (Militia Camp)	38	
Chignall (Bedells Cross)	3	
Roxwell (Labour Camp)	11	
Roxwell (Militia Camp)	35	
TOTAL	323	

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)	227
(b) Number of Inspections made for the purpose	1,143
(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	127
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	15
(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	132

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	93
--	----

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	33
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	

By Owners	38
Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—	

(1) Number of dwelling-houses in respect of which Demolition Orders were made	8
(2) Numbers of dwelling-houses demolished in pursuance of Demolition Orders :—	

By Owners	4
(3) Number of dwelling-houses rendered fit for human habitation as a result of owners complying with undertakings to carry out works of repair—	11

SANITARY INSPECTION OF THE AREA

Slaughterhouses. There are twelve licensed slaughterhouses 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 been necessary.

Smoke Abatement. Pollution of the atmosphere by industrial smoke is not a serious problem in the area, although some nuisance has been created arising from the use of unsuitable fuel in respect of one factory installation in the parish of Great Baddow.

Moveable Dwellings. During the year, thirty-two 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 swimming pool is 180,000 gallons and it is fitted with a continuous purification plant. Sanitary accommodation is provided for both sexes.

May-Phill Roadhouse, Battlesbridge. The open air sea water swimming pool adjoins the Roadhouse which 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 in use.

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	...	...	39
Other mains	...	...	4
Reservoirs	...	...	2
Swimming Pools	...	...	1
Springs	...	...	—
Wells	...	...	14

The following table shows the number of inspections made and the action taken by the Chief Sanitary Inspector's Department during the year. For three months of this period, the Department was one Inspector short of establishment.

INSPECTIONS AND PARTICULARS OF NOTICES FOR THE YEAR, 1950.

Nature of Inspection	Total Inspections	Notices Out-standing at end of 1949	Notices Served		Notices		
			Informal	Statutory	Complied with	Cancelled	Out-standing at end of 1950
Infectious Disease Inquiries	77	—	—	—	—	—	—
Infectious Disease Disinfections	12	—	—	—	—	—	—
Houses Inspected under Public Health or Housing Acts	182	117	103	26	150	14	82
Houses "Carded" under Public Health or Housing Acts	45	—	—	—	—	—	—
Re-inspections under Housing Acts	347	—	—	—	—	—	—
Re-inspections under Public Health Acts	569	—	—	—	—	—	—
*Overcrowding	22	1	—	—	—	—	1
*Dirty Condition of Houses	35	1	1	1	1	—	2
*Other Nuisances in Houses	27	—	—	—	—	—	—
*Water Closets	26	25	12	4	24	3	14
*Privies and Pail Closets ...	89	13	17	9	24	3	12
*House Drainage	326	49	82	15	93	13	40
*Other Drainage	88	3	9	—	9	—	3
*Water Supply	488	41	86	12	58	15	66
Re-inspections for*	52	—	—	—	—	—	—
Urinals	20	—	—	1	—	—	1
Pig-Styes	22	—	1	—	1	—	—
Animals Improperly Kept	13	—	—	1	—	—	1
Rats, Mice and Insect Pests	179	—	1	—	1	—	—
Tents, Vans, Sheds and Similar Structures	155	1	—	—	—	—	1
Schools	13	2	4	1	5	—	2
Milk Retailers' Premises ...	32	—	5	—	2	1	2
Ice Cream Premises	110	—	4	—	1	1	2
Bakehouses	44	1	7	—	3	—	5
Restaurants and Cafes	33	—	11	—	3	1	7
Public Houses	66	—	12	2	—	1	13
Fresh and Fried Fish Shops	14	—	1	—	—	—	1
Slaughterhouses and Butchers' Shops	95	—	—	—	—	—	—
Knackers Yards	31	—	—	—	—	—	—
Other Food Preparation and Food Shops	141	2	22	—	11	2	11
Inspections under the Shops Acts	—	—	—	—	—	—	—
Factories:—							
(a) with Mechanical Power	44	4	3	—	4	—	3
(b) without Mechanical Power	23	—	1	—	1	—	—
Public Cleansing:—							
Dustbins	36	43	10	—	5	1	47
Refuse Dumps	180	—	—	—	—	—	—
Miscellaneous	357	—	—	—	—	—	—
Control of Civil Building ...	17	—	—	—	—	—	—
Miscellaneous	135	2	28	—	18	2	10
TOTALS	4145	305	420	72	414	57	326

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

Adequate ventilation provided to rooms	...	...	...	7
Ashbins provided	...	...	...	4
Brick footings repaired	...	...	...	2
Brick walls repaired or roughcast	...	...	...	29
Chimney flues repaired	...	...	...	6
Chimney Pots provided	...	...	...	2
Chimney stacks repaired or re-pointed	...	...	...	9
Ceiling plasters, repaired or renewed	...	...	...	68
Coppers repaired or provided	...	...	...	8
Dampness remedied other than by d.p.c.	...	...	...	75
Door furniture provided	...	...	...	6
Doors repaired or renewed	...	...	...	41
Eavesgutters and downspouts repaired or renewed	...	...	...	37
External wall plaster repaired or renewed	...	...	...	23
Fireplaces, Stoves, repaired or renewed	...	...	...	32
Floors repaired or re-laid	...	...	...	55
Foodstores provided or repaired	...	...	...	7
Handrails provided to staircases	...	...	...	4
Internal wall plaster repaired or renewed	...	...	...	102
Internal walls repaired	...	...	...	11
Lighting of rooms	...	...	...	24
Roofs repaired or renewed	...	...	...	47
Sinks provided or repaired	...	...	...	13
Sink waste pipes provided or renewed	...	...	...	19
Staircases provided or repaired	...	...	...	13
Washing accommodation provided	...	...	...	1
Washhouses repaired	...	...	...	5
Weatherboarded walls renewed or repaired	...	...	...	4
Window sills repaired or renewed	...	...	...	5
Windows or frames repaired or renewed	...	...	...	85
Windows re-glazed	...	...	...	25
Yards or paths repaired or paved	...	...	...	2
Miscellaneous repairs	...	...	...	11
Cesspools cleansed	...	...	...	10
Choked drains cleansed	...	...	...	9
Drainage systems altered or repaired	...	...	...	10
Drainage cut off from ditches, water courses etc.	...	...	...	21
Foul ditches cleansed	...	...	...	4
Hot water boilers repaired or renewed	...	...	...	2
Inspection covers repaired or renewed	...	...	...	3
Main water supply provided to houses	...	...	...	27

Main water supply extended inside houses	...	...	8
Overflows from cesspools abolished	...	...	2
Pail closets provided	...	...	4
Pail closet structures repaired or renewed	...	...	12
Ventilation pipes repaired	...	...	3
Water closet flushing apparatus repaired or renewed	...	...	4
Water closet pedestals provided	...	...	3
Water closet structures repaired or renewed	...	...	6
Water pipes, taps repaired	...	...	7
Water butts provided	...	...	1
Miscellaneous work done	...	...	32

MILK SUPPLY

The Ministry of Agriculture and Fisheries is now responsible for the administration of cowshed and dairy farms, but this Council is still responsible for the registration of distributors of milk in the District under the Milk and Dairies Regulations, 1949, 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	...	...	...	...	...	12
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	...	...	...	...	...	8

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

Accredited	...	...	...	...	...	1
Tuberculin Tested	...	...	...	...	...	8

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	...	...	...	...	...	8
Sterilised	...	...	...	...	...	6

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

Pasteurised	...	...	...	...	...	5
Sterilised	...	...	...	...	...	3

Milk Sampling

During the year thirteen samples of milk were sub-
mitted for examination :—

	<i>Number</i>	<i>Satis- factory</i>	<i>Unsatis- factory</i>
Ordinary	1	—	1
Accredited	1	1	—
Tuberculin Tested (Pasteurised)	2	2	—
Pasteurised	8	8	—

Meat and Other Foods

The majority of animals are at present slaughtered in slaughter-
houses outside the District. Meat exposed for sale or deposited
for manufacture in premises within the district is regularly in-
spected. 301 lb. beef, 1 lb. corned mutton and 4 lb. luncheon
meat were condemned.

The following were also condemned as unfit for human con-
sumption :—

Number of tins of :—		Bacon Rashers	14
Apples	2	Baked Beans	17
Apricots	1	Beetroot	2
Apricot Pulp	3	Braised Kidneys	2
Baby Foods :		Brislings	3
Apple and Blackcurrant	14	Carrots	2
Beetroot	12	Cherries	3
Carrots	41	Condensed Milk	24
Prune and Orange	2	Corned Beef (12 oz. size)	7
Spinach	48	Corned Beef (6 lb. size)	17
		Crushed Apples	1

Number of tins of :—

Damsons	1
Diced Carrots	1
Evaporated Milk	46
Fish Cakes	40
Fish Paste	4
Fulcream Milk	2
Garden Vegetables	1
Gooseberries	1
Groats	1
Herrings	8
Ham Rissole	1
Irish Beef	21
Jam	15
Jellied Veal	1
Lemon and Barley Crystals	8
Liver Soup	1
Luncheon Meat	9
Marmalade	2
Meat and Gravy	2
Meat Hash	3
Meat and Vegetable Stew	6
Mincemeat	1
Minced Beef Loaf	4
Mustard	130
Mussels	1
Orange Juice	9
Ox Tongue (6 lb.)	1
Peaches	3
Pears	3
Peas	37
Pilchards	13
Plums	58
Pork	1
Pork and Beef Galantine	40
Pork Luncheon Meat	2
Pork Sausage Meat	1
Pork Sausages	1
Rabbit	1
Salmon	8
Sardines	48
Sieved Apple	2
Silds	1
Silver Hake	1
Skimmed Milk	4
Sliced Beetroot	18
Sliced Carrots	56
Snoek	2

Soup	6
Spaghetti	65
Spinach	1
Stringless Beans	1
Tomatoes	1
Tomato Ketchup	3
Veal and Ham Loaf	1
Vegetables in Gravy	10
Vegetable Macedoine	3
Vitawheat Biscuits	1

Number of packets of :—

Baked Farfolds	6
Camembert Cheese	12
Chocolate and Semolina Pudding Mixture	63
Corn Flakes	1
Dates	21
Jellies	10
Malted Soya Cream	19
Porridge Oats	1
Pudding Mixture	3
Shredded Wheat	5
Vegetable Soup Mixture	47

Number of jars of :—

Jam	10
Marmalade	8
Mustard	8
Sandwich Spread	3

Number of bottles of :—

Stuffed Olives	1
----------------	---

Miscellaneous :—

49½ lb	Bacon
5½	„ Cheese
9½	„ Cod Fish
10	„ Farfolds
26	„ Marzipan
2	„ Porridge Oats
5	„ Processed Peas
71	„ Raisins
½	„ Suet
14	„ Sultanas
5	Fruit Pies
1	Pig's Flare
1	Pig's Head

BAKEHOUSES

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

GREAT BADDOW	...	...	Carters (Gt. Baddow) Ltd. L. E. Eade.
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 The Country Farm Bakeries, 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 77 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. His premises are of modern design and his equipment complies with the requirements of the Ice Cream (Heat Treatment Etc.) Regulations, 1947.

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 provision concerning ice cream is not in force in the District as the above local Act was already in force.

Ice Cream Sampling.

Seventy-five samples of ice cream and three samples of iced lollies were submitted to the bacteriologist for examination compared with 17 the previous year. The samples of ice cream were placed in the following categories :—

Ministry of Health Provisional Grade	I	...	41
" " " " " "	II	...	25
" " " " " "	III	...	4
" " " " " "	IV	...	5

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 alteration, 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	23	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	85	88	5	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	—	—	—	—
TOTAL ...	165	111	5	—

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 { Insufficient ...	—	1	—	—	—
(S.7.) { Unsuitable or Defective ...	5	4	—	4	—
{ Not separate for sexes ...	—	—	—	—	—
Other Offences against the Act (not including offences relating to outwork) ...	—	—	—	—	—
TOTAL ...	5	5	—	4	—

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.	14	—	—	—	—	—
Feather sorting	6	—	—	—	—	—
TOTAL	20	—	—	—	—	—

PUBLIC CLEANSING

A comprehensive refuse collection scheme was maintained in operation throughout the year. Over ninety per cent. of the houses in the District are included in this scheme.

The difficulty of obtaining and retaining suitable and sufficient workmen is still acute and it must again be stressed that until permanent teams of men are built up, difficulties are bound to continue in the working of the regular collection schedules.

The transport for this service consists of the following vehicles.

<i>Vehicle No.</i>	<i>Make</i>	<i>Capacity</i>	<i>Date Purchased</i>
1	Shelvoke and Drewry	7 cu. yds.	1934
2	Dennis	7 cu. yds.	1943
3	Shelvoke and Drewry (Mark II)	11.3 cu. yds.	1947
4	Shelvoke and Drewry (Mark II)	11.3 cu. yds.	1947
5	Shelvoke and Drewry (W Type)	11.3 cu. yds.	1948
6	Shelvoke and Drewry (W Type)	11.3 cu. yds.	1950
	Ford Van	5 cwt.	1947

Vehicle No. 1, after sixteen years continuous service is now unserviceable and the cost of a complete overhaul is not considered economic. It is not being licensed for 1951. Vehicle No. 2 is used as a reserve vehicle.

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
Hayes Chase	...	...	...	3
Hoe Lane	...	...	...	14
Great Waltham...	...	...	...	80
Little Waltham...	...	...	...	106
Woodham Ferrers	...	...	...	56

PETROLEUM LICENCES IN FORCE DURING 1950

The number of petroleum spirit licences in force during the year was 124 (storage capacity 93,500 gallons) an increase of 10 licences over the previous year, when there were 114 licences granted, the storage capacity being 84,600 gallons.

Storage of cellulose under licence in respect of two premises was also granted, and special licences were issued for storage of petroleum spirit in respect of two motor-cycle meetings.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (acres)	...	...	86,588	(land and inland waters).
Population (estimated, June 1950)	...	...	39,050	
Population (estimated, June 1950 under 15 yrs.)	...	...	8,537	
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, 1950	...	...	11,358	
The rateable value of the district for the half-year commencing—				
1st April, 1950, was £210,004				
1st April, 1951, was £214,219				
The sum represented by a penny rate, year ended				
31st March, 1950	...	...	£840 18 9	
31st March, 1951	...	...	£858 4 2	

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 ...)	607	305	302	Birth-rate (R.G.) 16·4
	(Illegitimate ...)	35	21	14	
Still Births	(Legitimate ...)	7	4	3	Rate per 1,000 births
	(Illegitimate ...)	2	—	2	
Deaths	... ..	405	195	210	Death-rate (R.G.) 10·4

Deaths from:—

Enteritis and diarrhoea under 2 years of age	...	Nil
Pregnancy, childbirth, abortion	... ..	1

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

Males, 8 (illg. —) Females 6 (illg. —),

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

All infants per 1,000 live births	... ..	21·8
Legitimate infants per 1,000 legitimate live births	...	23
Illegitimate infants per 1,000 illegitimate live births	...	—

Deaths from Malignant neoplasm (all ages)	... ..	72
Deaths from Measles (all ages)	... ..	Nil
Deaths from Whooping Cough (all ages)	... ..	Nil
Deaths of infants under 4 weeks of age, Males 6, Females, 4	...	10

Natural increase of population, namely, the excess in the number of live births over the number of deaths since 1940 is shown in the following tabular statement.

Year	Number of Births	Deaths	Increase
1940	518	419	99
1941	478	416	62
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

Comparative Table of Birth and Death Rates During the Year, 1950.

	Rate per 1,000 Resident Population		Deaths under One Year per 1,000 regis- tered Live Births
	Live Births	Deaths from all causes	
England and Wales	15.8	11.6	29.8
126 County Boroughs and Great Towns, including London ...	17.6	12.3	33.8
148 Smaller Towns with resident population of from 25,000 to 50,000 at 1931 Census... ..	16.7	11.6	29.4
Chelmsford Rural District ...	16.4	10.4	21.8

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				4	2	—	—	4	4	8	6
1 and under 2				1	—	—	—	—	1	1	1
2 " " 5				—	—	—	—	2	1	2	1
5 " " 15				1	—	1	—	1	—	1	—
15 " " 25				5	—	4	—	1	3	2	3
25 " " 35				6	4	5	1	3	—	4	3
35 " " 45				7	6	2	4	6	1	11	3
45 " " 55				7	13	2	4	10	7	15	16
55 " " 65				17	21	7	10	14	13	24	24
65 " " 75				45	53	19	17	17	17	43	53
75 and over				70	121	14	51	28	30	84	100
Totals				163	220	54	87	86	77	195	210

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

Cause of Death	Males	Females	Totals
Tuberculosis, respiratory	—	3	3
Tuberculosis, other	—	1	1
Syphilitic disease	1	—	1
Diphtheria	—	—	—
Whooping Cough	—	—	—
Meningococcal infections	—	—	—
Acute poliomyelitis	—	—	—
Measles	—	—	—
Other infective and parasitic diseases	1	—	1
Malignant neoplasm, stomach... ..	7	6	13
Malignant neoplasm, lung, bronchus ...	14	1	15
Malignant neoplasm, breast	—	11	11
Malignant neoplasm, uterus	—	—	—
Other malignant and lymphatic neoplasms	19	14	33
Leukaemia, aleukaemia	—	1	1
Diabetes	1	1	2
Vascular lesions of nervous system ...	14	31	45
Coronary disease, angina	36	23	59
Hypertension with heart disease	6	8	14
Other heart disease	25	45	70
Other circulatory disease	11	7	18
Influenza	1	4	5
Pneumonia	7	9	16
Bronchitis	4	6	10
Other diseases of respiratory system	1	—	1
Ulcer of Stomach and duodenum	5	—	5
Gastritis, enteritis and diarrhoea	—	1	1
Nephritis and nephrosis	2	4	6
Hyperplasia of prostate	4	—	4
Pregnancy, childbirth, abortion	—	1	1
Congenital malformations	4	5	9
Other defined and ill-defined diseases	22	23	45
Motor vehicle accidents	2	1	3
All other accidents	6	3	9
Suicide	1	1	2
Homicide and operations of war	1	—	1
All causes	195	210	405

INDEX

	Page(s)
Ambulance Facilities	63
Bakehouses	383
Civic Restaurant	63
Clinics and Treatment Centres	7, 83
Committees	4, 55
Drainage and Sewerage	255
Factories	400
Food Inspection	36-39
Hospitals	55
Housing	26-31
Ice Cream	38, 39
Infectious Diseases	9-122
Knackers Yard	322
Laboratory Facilities	55
Maternity and Child Welfare	5-83
Milk Supply	35, 363
Mortuaries	63
Moveable Dwellings	322
Nursing Homes	55
Outworkers	411
Petroleum Licences	433
Public Cleansing	42, 433
Residential Club for Elderly People	55
Sanitary Inspection of Area	32-355
Slaughterhouses	322
Smoke Abatement	322
Staff	33
Street Lighting	263
Swimming Pools	322
Vital Statistics	44-477
Water Supply	13-243