

**[Report 1952] / Medical Officer of Health, Maldon R.D.C.**

**Contributors**

Maldon (England). Rural District Council.

**Publication/Creation**

1952

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MALDON  
RURAL DISTRICT COUNCIL

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*Annual Report*

OF THE  
**MEDICAL OFFICER OF HEALTH**

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

FOR

*1952*

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*Printed by W. H. Houldershaw, Ltd.  
49-55, London Road, Southend-on-Sea*



COUNCIL OFFICES,  
LONDON ROAD,  
CHELMSFORD.  
1st July, 1953.

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

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour of presenting for your consideration my Annual Report on the health and sanitary circumstances of your District for the year 1952.

The Birth Rate for the year 1952 was 15.1 per 1,000 of the population as against 17.0 for the previous year. The Death Rate was 11.3 as against 14.5 for the year 1951.

When corrected for age and sex distribution of the population the birth rate was 17.2 and the death rate 8.7 per 1,000 of the population for the year 1952.

Malignant and heart diseases were responsible for 80 deaths or 47.6 per cent of the total deaths.

Seventy-nine per cent of the deaths were of persons over 65 years of age, fifty-four per cent were over 75 years, and 29 per cent over 80 years.

For assistance rendered in the preparation of this Report, I am indebted to my colleagues.

To the Council, may I express my appreciation for their consideration.

I am,

Your obedient servant,

JOHN F. MACDONALD.

## PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

### Notifiable Diseases (other than Tuberculosis) during 1952.

One hundred and eighty-four cases of notifiable diseases (exclusive of Tuberculosis) came under observation compared with 540 for the previous year.

Notifiable Disease	Total Cases	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over	Cases admitted to Hospital	Total Deaths
Scarlet Fever ... ..	102	—	1	8	9	8	46	20	6	2	2	—	—	18	—
Whooping Cough ..	35	5	2	8	4	6	9	1	—	—	—	—	—	—	—
Measles ... ..	34	1	2	3	4	5	15	2	1	1	—	—	—	—	—
Pneumonia ... ..	7	—	—	1	—	2	2	—	—	—	1	—	1	—	—
Food Poisoning ... ..	2	—	1	—	—	1	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis ...	3	—	—	—	1	—	1	1	—	—	—	—	—	3	—
Infective Hepatitis ...	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ... ..	184	6	6	20	18	22	73	24	7	3	3	1	1	21	—

No case of Diphtheria has been notified, during the last eleven years, and no death, from this disease, has occurred during the last 17 years. These results are, mainly due to the immunisation carried out, among children under 15 years of age.

Two cases of food poisoning came under observation. The source of infection was not known.

There was a minor epidemic of Scarlet Fever in the parish of Tillingham. The disease was so mild, that in a number of cases, the nature of the illness was not recognised until they had infected other persons.



## Tuberculosis.

### New Cases and Mortality during 1952.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1952.

Age Groups			* New Cases				Deaths			
			Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
			M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	...	—	—	—	—	—	—	—	—
1—5	...	...	—	—	1	—	—	—	—	—
5—10	...	...	—	—	—	—	—	—	—	—
10—15	...	...	—	—	—	—	—	—	—	—
15—20	...	...	—	2	—	—	—	—	—	—
20—25	...	...	1	—	—	—	—	—	—	—
25—35	...	...	—	2	—	—	—	—	—	—
35—45	...	...	2	2	—	—	1	—	—	—
45—55	...	...	1	—	—	—	—	—	—	—
55—65	...	...	1	1	—	—	—	—	—	—
65 and over	...	...	1	—	—	—	—	—	—	—
TOTALS	...	...	6	7	1	—	1	—	—	—

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

Table showing local distribution of infectious diseases notified during 1952.

PARISH	Scarlet Fever	Whooping Cough	Measles	Pneumonia	Food Poisoning	Acute Poliomyelitis	Infective Hepatitis	Pulmonary Tuberculosis	Other forms of Tuberculosis
Althorne ... ..	—	1	1	—	—	—	—	1	—
Asheldham ... ..	5	—	—	—	—	—	—	—	—
Bradwell-on-Sea ... ..	12	3	1	—	—	—	—	1	—
Great Braxted ... ..	1	5	2	—	—	—	—	—	—
Little Braxted ... ..	—	—	—	—	—	—	—	1	—
Cold Norton ... ..	—	—	—	2	—	—	—	—	—
Dengie ... ..	9	—	—	—	—	—	—	—	—
North Fambridge ... ..	—	—	—	—	—	—	—	—	—
Goldhanger ... ..	2	—	—	—	—	—	—	—	—
Hazeleigh ... ..	—	—	—	—	—	—	—	—	—
Langford ... ..	—	—	—	—	—	—	—	—	—
Latchingdon ... ..	1	—	—	1	—	1	—	1	—
Mayland ... ..	1	—	2	—	—	—	—	—	—
Mundon ... ..	—	—	6	—	—	—	—	1	—
Purleigh ... ..	—	—	4	—	—	—	—	3	—
St. Lawrence ... ..	—	—	4	—	—	—	—	—	—
Southminster ... ..	18	5	—	1	—	1	—	—	—
Steeple ... ..	—	—	—	—	—	—	—	—	—
Stow Maries ... ..	—	—	—	—	—	—	—	1	—
Tillingham ... ..	40	15	2	—	—	—	—	—	—
Tollesbury ... ..	8	—	—	—	—	—	—	1	1
Tolleshunt D'Arcy ... ..	3	—	—	—	—	—	—	1	—
Tolleshunt Knights ... ..	2	—	2	—	—	—	—	—	—
Tolleshunt Major ... ..	—	—	1	—	—	—	—	—	—
Great Totham ... ..	—	—	—	1	2	—	—	1	—
Little Totham ... ..	—	—	—	1	—	1	—	—	—
Ulting ... ..	—	—	—	—	—	—	—	—	—
Wickham Bishops ... ..	—	6	1	—	—	—	—	1	—
Woodham Mortimer ... ..	—	—	—	—	—	—	—	—	—
Woodham Walter ... ..	—	—	8	1	—	—	1	—	—
Totals ...	102	35	34	7	2	3	1	13	1



## GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

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As from 5th July, 1948, all hospitals providing treatment (for patients in the area) have been transferred to Regional Hospital Boards.

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS, ILLEGITIMATE INFANTS AND HOMELESS CHILDREN IN THE AREA, is provided by the Essex County Council.

### AMBULANCE FACILITIES.

These are provided free to patients by the Essex County Council.

The ambulance depot for the area is at the Fire Station, London Road, Maldon.

CLINICS AND TREATMENT CENTRES (provided by the County Council).

### *Tuberculosis Dispensary :*

St. Peter's Hospital, Maldon ; each Friday, 2—5 p.m.

### *Maternity and Child Welfare Centres :*

Mayland	Henry Samuel Hall	4th Thursday in each month 2.30 p.m.	Doctor attends alternate months
Bradwell-on-Sea	Village Hall	1st Wednesday in each month 2.30 p.m.	Doctor in attendance
Southminster	Baptist Chapel School Room	4th Monday in each month 2 p.m.	Doctor in attendance
Tollesbury	Institute	1st and 3rd Tuesdays in each month 2 p.m.	Doctor in attendance
Wickham Bishops	Church Room	2nd Wednesday in each month 2 p.m.	Doctor in attendance
Althorne	Village Hall	3rd Wednesday 2 p.m.	Doctor in attendance
Great Totham	Village Hall	4th Wednesday 2.30 p.m.	Doctor attends alternate sessions

*Maternity and Child Welfare Centres—contd.*

Cold Norton	Village Hall	4th Tuesday in each month 2 p.m.	Doctor in attendance
Tillingham	Village Hall	2nd Thursday in each month 2.30 p.m.	Doctor in attendance
Mundon	Victory Hall	4th Thursday in each month 2 p.m.	Doctor attends alternate months
Heybridge	Waring Hall	2nd and 4th Tuesdays in each month 2 p.m.	Doctor attends 2nd Tuesday
Maldon	Health Centre	Every Friday 2 p.m.	Doctor attends 1st, 3rd, and 5th Fridays
*Woodham Walter	Women's Institute Club Room	3rd Thursday in each month 2.30 p.m.	Doctor in attendance
*This Clinic has the Medical Officer in attendance only when there are 5 Thursdays in the month and the Clinic is held on that Thursday instead of 3rd Thursday.			
Goldhanger	Village Hall	3rd Thursday in each month 2 p.m.	Doctor in attendance
Tolleshunt D'Arcy	Village Hall	1st Thursday in each month 2.30 p.m.	Doctor in attendance
Great Braxted	Du Cane Arms	1st Wednesday in each month 2.30 p.m.	Weighing centre No doctor in attendance
Woodham Mortimer	Village Hall	1st Thursday in each month 2—4 p.m.	No doctor in attendance
Latchingdon	Village Hall	4th Wednesday in each month	Doctor attends alternate sessions



*Ante-Natal Clinics*

Health Centre, Wantz Chase, Maldon	3rd and 5th Tuesday in each month 9.30 a.m.	Doctor in attendance
Institute, Tollesbury	3rd Monday 2 p.m	Doctor in attendance

*Women's Welfare Clinic :*

Health Centre, Wantz Chase, Maldon	1st Tuesday 10 a.m.	Doctor in attendance
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*School Clinics :*

Orthopaedic After Treatment Centre	Health Centre, Wantz Chase, Maldon	By appointment
Minor Ailments Clinic	Health Centre, Wantz Chase, Maldon	1st, 3rd & 5th Fridays 9.30 a.m.—12 noon. Doctor in attendance
Eye Clinic	Health Centre, Wantz Chase, Maldon	Doctor seen by ap- pointment
Speech Therapy	Health Centre, Wantz Chase, Maldon	By appointment

Dental Clinics are also held at the Maldon Health Centre and other places in the district as and when required.

For operative treatment for the removal of Adenoids and enlarged Tonsils arrangements have been made by the Essex County Education Committee at the following hospitals:—

Chelmsford and Essex, Chelmsford ; St. John's, Chelmsford ; and Essex County, Colchester.

*Treatment Centres for Venereal Diseases :*

These are situated at Chelmsford and Colchester Hospitals Oldchurch County Hospital, Romford, and a number of London General Hospitals.

# PROFESSIONAL NURSING IN THE HOME.

(a) General Nursing—this is under the supervision of the County Council.

(b) Infectious Diseases. No arrangements have been made by the District Council.

HOME HELPS. Are provided by the County Council.

LABORATORY FACILITIES. These services are provided by the Essex County Council and Medical Research Council.

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

Section 50 of the National Assistance Act, 1948, made the district council responsible for the burial or cremation of the body of any person who has died or been found dead in their area, where no suitable arrangements for the disposal of the body have been or are being made otherwise than by the authority.

Since the passing of the act the following burials were carried out.

1948	...	...	...	...	—
1949	...	...	...	...	1
1950	...	...	...	...	1
1951	...	...	...	...	2
1952	...	...	...	...	1
Total ...					5



## PUBLIC CLEANSING.

At the end of 1952 scavenging was undertaken by the District Council through contractors as follows :—

Althorne	...	...	Removal of contents of pail closets.
Goldhanger	...	...	Removal of contents of pail closets.
Mayland	...	...	Removal of contents of pail closets.
Southminster	...	...	Removal of contents of pail closets and house refuse.
Steeple	...	...	Removal of contents of pail closets.
Tollesbury	...	...	Removal of contents of pail closets and house refuse.
Tolleshunt D'Arcy	...	...	Removal of contents of pail closets.
Woodham Walter	...	...	Removal of contents of pail closets.

Towards the end of the year the council had under consideration a scheme for the collection of night soil for the whole district. The scheme was adopted early in 1953. It is now in operation.

In addition to the above, a monthly collection of tins, bottles and similar refuse in 28 parishes is undertaken.

## SANITARY INSPECTION OF THE AREA.

The following table, prepared by the Sanitary Inspector is a classified statement of the number of premises visited, the defects or nuisances discovered, and the action and result of action taken in regard to these.

## SANITARY INSPECTION OF THE AREA.

INSPECTIONS		NOTICES				
Nature	Number	Informal	Formal	Total complied with	Outstanding at the end of year	
					Informal	Formal
Dwelling Houses :						
Under Housing Regs.	14	—	—	—	—	—
Primary Inspections Re :						
Structural Defects	40	16	—	11	14	—
Nuisances	60	20	—	28	6	—
Overcrowding	132	—	—	—	—	—
Dirty conditions	5	—	—	—	—	—
Re Inspections :						
Under Housing Regs.	—	—	—	—	—	—
Re Structural defects	42	—	—	—	—	—
Nuisances	78	—	—	—	—	—
Overcrowding	96	—	—	—	—	—
Dirty Conditions	6	—	—	—	—	—
Verminous Premises :						
Rats and Mice	225	—	—	—	—	—
Other Pests	33	2	—	2	—	—
Infectious Diseases						
Inquiries	111	—	—	—	—	—
Disinfections	11	—	—	—	—	—
Sewage and Drainage :						
House Drainage Inspections	333	29	—	30	6	—
Tests	75	—	—	—	—	—
Other Forms Inspections	53	2	—	3	—	—
Tests	—	—	—	—	—	—
Inspections re cesspools	103	6	—	11	—	—
Inspections re sewerage	64	4	—	4	—	—
Sanitary Conveniences :						
Dwelling Houses	325	4	—	2	2	—
Other Premises	56	—	—	—	1	—
Water Supply :						
Samples taken	27	1	—	2	—	—
Other visits	282	—	—	—	1	—
Milk and Dairies Inspections :						
Cowsheds	10	—	—	—	—	—
Dairies	23	—	—	—	—	—
Milk samples taken	—	—	—	—	—	—
Food Inspection :						
Meat	20	—	—	—	—	—
Other Foods	47	—	—	—	—	—
Inspections Re :						
Licensed Premises	17	—	—	—	—	—
Offices	2	—	—	—	—	—
Bakehouses	21	—	—	—	—	—
Slaughterhouses	6	—	—	—	—	—
Butchers' Shops	27	—	—	—	—	—
Food Shops	66	—	—	—	—	—
Other Shops	36	—	—	—	—	—
Ice Cream, Man. Premises	6	—	—	—	—	—
Ice Cream, Dealers' Premises	37	—	—	—	—	—
Man. Food Premises	25	—	—	—	—	—
Restaurants	19	—	—	—	—	—
Factories with Mech.	42	—	—	—	—	—
Factories without Mech.	3	—	—	—	—	—
Workplaces	3	—	—	—	—	—
Outworkers Premises	1	—	—	—	—	—
Places of Entertainment	10	—	—	—	—	—
Knackers Yards	3	—	—	—	—	—
Refuse and Salvage	77	1	—	1	—	—
Schools	13	—	—	—	—	—
Rivers, Ditches and Streams	72	6	—	10	3	—
Swimming Pools	11	—	—	—	—	—
Movable Dwelling	40	1	—	1	—	—
Fried Fish Shops	1	—	—	—	—	—
Stables and Piggeries	5	—	—	—	—	—
Miscellaneous Inspections	126	—	—	—	—	—
<b>TOTALS</b>	<b>2940</b>	<b>92</b>	<b>—</b>	<b>105</b>	<b>33</b>	<b>—</b>



**Smoke Abatement.** No cause for action occurred throughout the year.

**Swimming Baths and Pools.** There is a small open-air salt-water pool at Tollesbury. Improvements are under construction. Samples are regularly taken for examination.

**Knackers' Yards.** There is one in the district, situated in the parish of Purleigh.

**Moveable Dwellings.** During the year 34 licences to site moveable dwellings were granted under Section 269 of the Public Health Act, 1936.

**Bakehouses.** There are 12 in the district, situated in the following parishes :—Goldhanger 1, Purleigh 2, Stow Maries 1, Tillingham 2, Tolleshunt D'Arcy 1, Tollesbury 3, and Wickham Bishops 2.

Regular inspections are carried out. On each inspection the conditions were found satisfactory.

# ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—**Inspections** for the purposes 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 ... ..	18	5	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ... ..	57	77	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ... ..	Nil	Nil	—	—
<b>TOTAL</b> ...	<b>75</b>	<b>82</b>	<b>—</b>	<b>—</b>

## 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	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	5	6	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Temperature (S.3) ... ..	—	—	—	—	—
Inadequate Ventilation (S.4) ... ..	—	—	—	—	—
Ineffective Drainage of Floors (S.6) ... ..	—	—	—	—	—
Sanitary Conveniences (S.7):					
Insufficient ... ..	—	—	—	—	—
Unsuitable or Defective ... ..	—	—	—	—	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to out-work) ... ..	—	—	—	—	—
<b>TOTAL</b> ...	<b>5</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>



## OUTWORK (Sections 110-111)

Nature of Work	Section 110			Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (3)	No. of cases of default in sending lists to the Council	No. of prosecution for failure to supply lists	No. of instances unwholesome premises	Notices Served	Prosecutions
Wearing apparel { Making etc. Cleaning and wash- ing ...	9	—	—	—	—	—
	—	—	—	—	—	—
Total ...	9	—	—	—	—	—

## **INSPECTION AND SUPERVISION OF FOOD.**

### **Milk Supply.**

There are 20 distributors (non-producers) of milk in the district which are supervised by the District Council.

### **Meat and Other Foods.**

There are 7 slaughter houses in the district, but owing to Ministry of Food control and centralising of slaughtering, these are used in the main, for the killing of pigs, under the Ministry of Food Domestic Suppliers' scheme.

Routine inspections were made, during the year, of these premises.

## **WATER SUPPLY.**

By the end of 1952 a piped water supply from the mains owned by the District Council was available to 92·8 per cent of the population. The figures for each parish are set out in the table on page 17.

The supply is augmented from two local works :—

Springs at Woodham Walter.

Springs at Asheldam.

The supplies from these two works are chlorinated.

For some time the quantity of water from the deep well at Tollesbury has been diminishing. During 1912, before the well was constructed, a 3 inch bore was made when it was found that 40,000 gallons was pumped in 24 hours. Recent tests show that it has fallen to 5,000 gallons in 24 hours. As a supply from the South Essex Waterworks Company is available, the continuation of the deep well supply is no longer an attractive economic proposition. The well was permanently closed in March, 1952. To improve the piped water supply to Tolleshunt Knights and neighbouring parishes, a scheme was submitted for approval to the Ministry. The proposal is to provide, in some sections of the distributing mains, larger diameter pipes.



Under the Southend Waterworks Act and the South Essex Waterworks Act, the District Council has certain legal rights to be supplied by these companies with a bulk supply of water. The following table gives details of the water supplied to the District for the year ending 31st March, 1953 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	139,432,000	382,000
Southend Waterworks Co. ...	16,932,000	46,000
Lexden and Winstree ...	6,625,000	18,000
<b>Total Amount Purchased ...</b>	<b>162,989,000</b>	<b>446,000</b>
Asheldam ...	6,471,000	18,000
Woodham Walter ...	20,694,000	57,000
<b>Total ...</b>	<b>27,165,000</b>	<b>75,000</b>
<b>Total supplied from All Sources</b>	<b>190,154,000</b>	<b>521,000</b>

The total amount of water supplied for previous year was 179,170,000 gallons. During 1952-1953 there were 621 meters in use for non-domestic use and during the year 69,468,000 gallons were supplied through these meters as against 62,386,000 gallons for the previous year. The meter figures include bulk supplies to Borough of Maldon and Urban District of Burnham-on-Crouch.

### Summary of Work Carried Out by Waterworks

<i>Description</i>	<b>Department</b>		
	<i>Year ending 31.3.53</i>	<i>31.3.52</i>	<i>Increase or Decrease</i>
New services installed ...	202	111	91 I
New meters installed ...	25	23	2 I
Meters changed on existing supplies ...	37	61	24 D
Meters removed from existing supplies ...	3	2	1 I
Services repaired ...	102	106	4 D
Mains repaired ...	61	35	26 I
New Valves and Hydrants fixed ...	61 H	51	10 I
	10 V	6	4 I
Valves and Hydrants repaired ...	20 H	2	18 I
	16 V	14	2 I
New Mains laid ...	2,294 yds.	1,270 yds.	1,024 yds. I
Total mileage of Water Mains of all sizes at 31.3.53, 151½ miles.			

**RECORD OF HABITABLE HOUSES AND WATER  
SUPPLY AS AT 31st DECEMBER, 1952.**

PARISH	Habitable Houses (not includ- ing Huts or Vans)	No. of Houses on Domestic Water Supply	Within 100 yds. of water main but not supplied	Where piped water supply is not available
Althorne ... ..	154	145	—	9
Asheldam ... ..	51	47	—	4
Bradwell-on-Sea ... ..	248	227	14	7
Braxted, Great ... ..	119	57	19	43
Braxted, Little ... ..	43	38	5	—
Cold Norton ... ..	130	129	1	—
Dengie ... ..	51	40	—	11
Fambridge, North ... ..	96	88	7	1
Goldhanger ... ..	155	143	7	5
Hazeleigh ... ..	40	36	3	1
Langford ... ..	49	31	1	17
Latchingdon ... ..	202	186	2	14
Mayland ... ..	147	135	6	6
Mundon ... ..	90	86	1	3
Purleigh ... ..	295	287	6	2
St. Lawrence ... ..	108	101	4	3
Southminster ... ..	511	472	2	37
Steeple ... ..	127	113	3	11
Stow Maries ... ..	60	60	—	—
Tillingham ... ..	261	214	17	30
Tollesbury ... ..	576	563	7	6
Tolls. D'Arcy ... ..	288	242	27	19
Tolls. Knights ... ..	133	133	—	—
Tolls. Major ... ..	124	102	5	17
Totham, Great ... ..	426	399	14	13
Totham, Little ... ..	88	70	5	13
Ulting ... ..	43	18	—	25
Wickham Bishops ... ..	290	231	14	45
Woodham Mortimer... ..	115	113	2	—
Woodham Walter ... ..	175	128	20	27
<b>TOTALS ... ..</b>	<b>5195</b>	<b>4634</b>	<b>192</b>	<b>369</b>



**Number of properties served by communal standpipes.**

<i>Parish</i>	<i>No. of Standpipes</i>	<i>Properties served</i>
Southminster, Old Heath ...	3	21
T. Major. Pennysbrook ...	1	7
Latchingdon, Riverside Estate	4	Temporary 100 (incl. hutments, etc.).
Althorne, Smugglers Club Ground ... ..	1	Permanent 2 Temporary 54 (incl. hutments, etc.)

**Number of Properties in District receiving water supply  
other than from Maldon Rural District Council.**

Langford and Ulting ...	16	Supplied direct by Southend Waterworks
Cold Norton ... ..	5	Supplied direct by Southend Waterworks
Ulting ... ..	3	Supplied by Braintree R.D.C.
Woodham Mortimer ...	4	Supplied by Maldon Borough Council
Goldhanger ... ..	1	Supplied by Maldon Borough Council
Little Totham ... ..	4	Supplied by Maldon Borough Council

**Number of Properties outside Maldon Rural District  
supplied by Maldon Rural District Council.**

Witham ... ..	9
Maldon ... ..	3

### Sample of Water from Woodham Walter Pumping Station

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Bright with a very few mineral particles
Turbidity	...	...	...	...	...	less than 3
Colour	...	...	...	...	...	Nil
Odour	...	...	...	...	...	Nil
pH	...	...	...	...	...	6.2
Free Carbon Dioxide	...	...	...	...	...	36
Electric Conductivity	...	...	...	...	...	350
Total Solids	...	...	...	...	...	235
Chlorine present as Chloride	...	...	...	...	...	29
Alkalinity as Calcium Carbonate	...	...	...	...	...	40
Hardness : Total	...	...	...	...	...	130
Carbonate	...	...	...	...	...	40
Non-carbonate	...	...	...	...	...	90
Nitrate Nitrogen	...	...	...	...	...	12
Nitrite Nitrogen	...	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	...	0.026
Oxygen absorbed	...	...	...	...	...	0.15
Albuminoid Nitrogen	...	...	...	...	...	0.000
Residual Chlorine	...	...	...	...	...	Absent
Metals	...	...	...	...	...	Iron : 0.15. Other metals absent

#### *Bacteriological Results*

Number of Colonies developing on Agar

1 day at 37°C. 0 per ml.

2 days at 37°C. 5 per ml.

3 days at 20°C. 0 per ml.

Presumptive Coli-aerogenes Reaction :

Absent from 100 ml.

Probable number 0 per 100 ml.

Bact. coli (Type 1)

Absent from 100 ml.

Probable number 0 per 100 ml.

Cl. Welchii Reaction

Absent from—ml.

#### **Report**

This sample is practically clear and bright in appearance. It is free from metals apart from a minute trace of iron, but on



account of its faintly acid reaction it will show corrosive characteristics. The hardness of the water and its content of mineral and saline constituents are very moderate. Its organic quality and bacterial purity are of a high standard.

These results are normal and satisfactory, indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

### SOUTH ESSEX WATERWORKS COMPANY

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

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham	Layer-de-la-Haye
Appearance ... ..	Clear and Bright	Clear and Bright
Colour A.P.H.A. ... ..	Under 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
"Free Chlorine" ... ..	0.32	0.24
Chlorides as Cl. ... ..	34	39
Total Oxidised Nitrogen ...	7.9	2.6
Nitrites as N ... ..	Nil	Nil
Hardness, Permanent ... ..	152	136
"    Temporary ... ..	246	150
"    Total ... ..	398	286
Free Ammonia ... ..	0.08	0.14
Albuminoid Ammonia ... ..	0.09	0.14
Oxygen absorbed 4hrs. 27°C.	1.20	1.33
Metals ... ..		
Colony Count per m.l. on		
Agar 1 day at 37°C. ... ..	9	7
Ditto 3 days at 20°C. ... ..	18	8
Presumptive col absent in ...	100 M.L.	100 M.L.
Bact. Coli absent in ... ..	100 M.L.	100 M.L.
Cl. Welchii Absent in ... ..	100 M.L.	100 M.L.

**Sample of Water from the Mains of the Southend Water-works Company.**

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Bright with a very slight deposit consisting of minute chalk particles
Turbidity	...	...	...	...	...	Less than 3
Colour	...	...	...	...	...	Filtered : Nil
Odour	...	...	...	...	...	Nil
pH	...	...	...	...	...	8.6
Free Carbon Dioxide	...	...	...	...	...	Absent
Electric Conductivity	...	...	...	...	...	1080
Total Solids	...	...	...	...	...	720
Chlorine present as Chlorides	...	...	...	...	...	176
Alkalinity as Calcium Carbonate	...	...	...	...	...	210
Hardness : Total	...	...	...	...	...	65
Carbonate	...	...	...	...	...	65
Non-carbonate	...	...	...	...	...	0
Nitrate Nitrogen	...	...	...	...	...	2.2
Nitrite Nitrogen	...	...	...	...	...	Less than 0.01
Ammoniacal Nitrogen	...	...	...	...	...	0.000
Oxygen Absorbed	...	...	...	...	...	0.45
Albuminoid Nitrogen	...	...	...	...	...	0.035
Residual Chlorine	...	...	...	...	...	Absent
Metals	...	...	...	...	...	Iron : 0.05. Other metals absent
Fluorine	...	...	...	...	...	2.5

*Bacteriological Results*

Number of Colonies developing on Agar :

1 day at 37°C. 10 per ml.

2 days at 37°C. 18 per ml.

3 days at 20°C. 40 per ml.

Presumptive Coli-aerogenes Reaction :

Absent from 100 ml.  
Probable number 0  
per 100 ml.

Bact. coli. (Type I) ... ..

Absent from 100 ml.  
Probable number 0  
per 100 ml.

Cl. Welchii Reaction ... ..

Absent from 100 ml.



## Report

This sample is practically clear and bright in appearance, faintly alkaline in reaction and free from metals apart from a minute trace of iron. The water is fairly soft in character and its content of mineral and saline constituents, although somewhat high, is not excessive. The water is of very satisfactory organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for drinking and domestic purposes. Its content of fluorine is, however, higher than the figure considered most desirable.

### Sample of Water from Asheldham Pumping Station

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Clear and bright
Turbidity	...	...	...	...	...	Nil
Colour	...	...	...	...	...	Nil
Odour	...	...	...	...	...	Very faint chlorinous
pH	...	...	...	...	...	6.1
Free Carbon Dioxide	...	...	...	...	...	12
Electric Conductivity	...	...	...	...	...	445
Total Solids	...	...	...	...	...	300
Chlorine present as Chloride	...	...	...	...	...	41
Alkalinity as Calcium Carbonate	...	...	...	...	...	10
Hardness : Total	...	...	...	...	...	155
Carbonate	...	...	...	...	...	10
Non-carbonate	...	...	...	...	...	145
Nitrate Nitrogen	...	...	...	...	...	12
Nitrite Nitrogen	...	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	...	0.005
Oxygen Absorbed	...	...	...	...	...	0.05
Albuminoid Nitrogen	...	...	...	...	...	0.000
Residual Chlorine	...	...	...	...	...	0.15
Metals	...	...	...	...	...	Absent

### *Bacteriological Results*

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	0 per ml.
3 days at 20°C.	0 per ml.



## Presumptive Coli-aerogenes Reaction :

Absent from 100 per ml.  
Probable number 0 per  
100 ml.

## Bact. coli (Type 1)

Absent from 100 ml.  
Probable number 0 per  
100 ml.

## Cl. Welchii Reaction :

Absent from—ml.

**Report**

This sample is clear and bright in appearance. It is free from metals but will be corrosive in character and likely to be plumbo solvent on account of its faintly acid reaction. The hardness of the water is moderate and it is free from any excess of mineral or saline constituents in solution. Its organic quality and bacterial purity are of a high standard.

These results are indicative of a water which is pure and wholesome in character, and suitable for public supply purposes apart from the observations made on corrosive characteristics.

**RIVERS AND STREAMS.**

The Rivers Blackwater and Chelmer flow through the district. Neither of these rivers receives polluting matter to any extent while flowing through the Maldon Rural District. The Chelmsford Corporation Water Act, 1923, authorises the Corporation of Chelmsford to abstract water from the River Chelmer near Sandford Mill in the Rural District of Chelmsford—the quantity not to exceed 1,000,000 gallons per day. The Southend Waterworks Act, 1924, authorises the Southend Waterworks Company to abstract water from the River Chelmer near Rushes Lock and from the River Blackwater at Langford. The Hanningfield Water Order 1950 authorises the South Essex and Southend Waterworks Companies to extract water, not exceeding 43 million gallons in any period of 14 days, from the Chelmer and Blackwater rivers. The Southend Waterworks Act provides that the effluent from the Chelmsford Joint Sewerage Works be carried by a pipe past the point of intake at Rushes Lock and the effluent from the Witham Sewage Works beyond the point of intake from the River Blackwater at Langford. The discharge of such large volumes of sewage effluent into the rivers after a good deal of water has been extracted may cause a nuisance.





The following table classifies the houses erected and owned by the District Council into Parlour and Non-Parlour types.

PARISH	Parlour Type	Non-Parlour Type	Totals
Althorne ... ..	—	—	—
Asheldham ... ..	5	2	7
Bradwell-on-Sea ... ..	12	6	18
Braxted, Great ... ..	12	6	18
Braxted, Little ... ..	—	4	4
Cold Norton ... ..	—	10	10
Dengie ... ..	—	8	8
Fambridge, North ... ..	—	—	—
Goldhanger ... ..	8	38	46
Hazeleigh ... ..	—	6	6
Langford ... ..	—	—	—
Latchingdon ... ..	8	34	42
Mayland ... ..	—	12	12
Mundon ... ..	10	12	22
Purleigh ... ..	8	18	26
St. Lawrence ... ..	—	—	—
Southminster ... ..	54	28	82
Steeple ... ..	10	12	22
Stow Maries ... ..	6	12	18
Tillingham ... ..	20	6	26
Tollesbury ... ..	48	20	68
Tolleshunt D'Arcy ... ..	46	16	62
Tolleshunt Knights ... ..	—	10	10
Tolleshunt Major ... ..	6	12	18
Totham, Great ... ..	61	29	90
Totham, Little ... ..	4	6	10
Ulting ... ..	—	—	—
Wickham Bishops ... ..	31	26	57
Woodham Mortimer ... ..	12	6	18
Woodham Walter ... ..	14	12	26
TOTALS ... ..	375	351	726

The total includes six cottages erected by Parish Council in Tolleshunt D'Arcy ; six Coastguard cottages (parlour) re-erected on a new site in Bradwell-on-Sea. Buildings at Asheldham converted into three dwellings.

Nine cottages (non-parlour) purchased by Council (Wickham Bishops). 18 Agricultural cottages (parlour) :— Asheldham 4, Southminster 4, Steeple 6, Tolleshunt D'Arcy 4.



**Table showing Census Population 1921 and 1931, and  
Number of Houses Census 1931 and December, 1952.**

PARISH	Area in statute acres (land and inland water)	Tidal water and fore- shore	Num- ber of Houses 1931	Census Population		Number of Houses at end of Dec. 1952 excl. of hutments
				1921	1931	
Althorne ...	2080	255	117	401	390	154
Asheldham ...	1310	—	42	203	168	51
Bradwell-on-Sea ...	5221	4230	188	747	657	248
Braxted Great ...	2634	—	85	283	282	119
Braxted Little ...	622	—	36	109	116	43
Cold Norton ...	1692	—	102	326	384	130
Dengie ...	2856	1186	54	181	192	51
Fambridge North...	1242	107	50	177	168	96
Goldhanger ...	1622	—	107	361	353	155
Hazeleigh ...	991	—	33	121	114	40
Langford ...	991	3	49	167	169	49
Latchingdon ...	3992	207	122	420	419	202
Mayland ...	1870	—	99	343	360	147
Mundon ...	3076	—	60	269	251	90
Purleigh ...	5771	87	223	857	770	295
St. Lawrence ...	2139	324	20	132	71	108
Southminster ...	6512	828	439	1592	1403	511
Steeple ...	2709	47	94	391	343	127
Stow Maries ...	1610	82	48	147	165	60
Tillingham ...	4928	2593	211	836	670	261
Tollesbury ...	4839	2019	467	1721	1694	576
Tolleshunt D'Arcy...	4104	415	236	780	748	288
Tolleshunt Knights	1926	—	78	235	252	133
Tolleshunt Major ...	2253	2	96	338	370	124
Totham Great ...	3589	—	286	973	982	426
Totham Little ...	1281	—	85	301	293	88
Ulling ...	1034	—	37	144	143	43
Wickham Bishops...	1606	—	191	498	639	290
Woodham Mortimer	1387	—	69	229	268	115
Woodham Walter ...	2620	—	141	612	514	175
<b>TOTALS ...</b>	<b>78507</b>	<b>12385</b>	<b>3865</b>	<b>13894</b>	<b>13348</b>	<b>5195</b>

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	...	...	78,507 (land and inland water)
Home Population (estimated June, 1952)			14,880
Census Population, 1951	...	14,962 (males 7,335, Females 7,627)	
Census Population, 1931	...	...	13,348
Number of inhabited houses 1931 census	...	...	3,865
Estimated number of houses at end of 1952	...	...	5,193
Rateable Value at 1st April, 1952	...	...	£90,522
Product of a Penny Rate for the year ending :—			
31st March, 1952	...	...	£372 16 6
31st March, 1953	...	...	£379 18 3

Except in certain centres, the District is sparsely populated. Nearly half of the population is directly or indirectly dependent upon agriculture.

## EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

		Total	Males	Females	
Live Births	{ Legitimate	215	108	107	Birth Rate per 1,000 of the estimated population
	{ Illegitimate	10	7	3	
					... .. 15·1
Still Births	{ Legitimate	5	4	1	Rate per 1,000 total (live and still) Births ...
	{ Illegitimate	—	—	—	
Deaths	...	168	99	69	Death Rate per 1,000 of the estimated population
					... .. 11·3

Deaths :—

Pregnancy, Childbirth, Abortion ... .. Nil

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

Males 0 (illegitimate Nil), Females 2 (illegitimate nil)

Total 2

The number of deaths among infants under one year of age was only 2, which is exceptionally low. Both died within a week of birth—in one the cause of death was prematurity, and the other due to the lungs not expanding normally.



## Deaths of Infants under 1 year of age :—

Legitimate per 1,000 Legitimate Live Births	...	9.3
Illegitimate „ „ Illegitimate „ „	...	Nil
All Infants „ „ Live Births	...	8.9

Deaths from Malignant neoplasms (all ages)	...	23
„ „ Measles (all ages)	...	Nil
„ „ Whooping Cough (all ages)	...	Nil
„ „ Diarrhoea (under 2 years of age)	...	Nil

The following tabular statements give details of the number of deaths classified according to age and cause :—

Age				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	...			—	—	—	—	—	2	—	2
1 and under	2	...		—	—	—	—	—	—	—	—
2 „ „	5	...		—	—	—	—	—	—	—	—
5 „ „	15	...		1	—	—	—	—	—	1	—
15 „ „	25	...		1	—	1	—	—	—	—	—
25 „ „	35	...		1	1	1	1	1	1	1	1
35 „ „	45	...		—	—	—	—	1	3	1	3
45 „ „	55	...		2	1	—	—	2	1	4	2
55 „ „	65	...		12	6	—	—	2	—	14	6
65 „ „	75	...		15	10	—	—	13	4	28	14
75 and over	...	...		24	21	1	2	27	22	50	41
TOTALS	...	...		56	39	3	3	46	33	99	69
GRAND TOTALS	...			95		6		79		168	

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory. ... ..	1	—	1
Tuberculosis, other ... ..	—	—	—
Syphilitic disease... ..	1	—	1
Diphtheria ... ..	—	—	—
Whooping Cough... ..	—	—	—
Meningococcal Infections ... ..	—	—	—
Acute Poliomyelitis ... ..	—	—	—
Measles ... ..	—	—	—
Other Infective and Parasitic Diseases	—	—	—
Maligant Neoplasm, Stomach ... ..	1	—	1
Maligant Neoplasm, Lung, Bronchus	4	—	4
Maligant Neoplasm, Breast ... ..	—	3	3
Maligant Neoplasm, Uterus ... ..	—	4	4
Other Maligant and Lymphatic Neoplasms	9	2	11
Leukaemia, Aleukaemia... ..	—	—	—
Diabetes ... ..	1	2	3
Vascular Lesions of Nervous System ...	15	12	27
Coronary Disease, Angina ... ..	12	7	19
Hypertension with Heart Disease ...	2	3	5
Other Heart Disease ... ..	20	13	33
Other Circulatory Disease ... ..	5	4	9
Influenza ... ..	—	—	—
Pneumonia ... ..	3	3	6
Bronchitis... ..	6	—	6
Other Diseases of Respiratory System	1	1	2
Ulcer of Stomach and Duodenum ...	2	—	2
Gastritis, Enteritis and Diarrhoea ...	—	—	—
Nephritis and Nephrosis ... ..	4	—	4
Hyperplasia of Prostate ... ..	2	—	2
Pregnancy, Childbirth, Abortion ...	—	—	—
Congenital Malformations ... ..	—	1	1
Other defined and ill-defined diseases ...	9	12	21
Motor vehicle accidents ... ..	—	—	—
All other accidents ... ..	1	—	1
Suicide ... ..	—	2	2
Homicide and operations of war ...	—	—	—
Totals ... ..	99	69	168



# COMPARATIVE TABLE OF BIRTH AND DEATH RATES DURING THE YEAR, 1952.

	Rate per 1 000 civilian population		Deaths under 1 year per 1 000 registered live births
	Live Births	Deaths from all causes	
England and Wales ...	15.3	11.3	27.6
126 County Boroughs and Great Towns including London ... ..	16.9	12.1	31.2
148 Smaller Towns with Resident Population of from 25,000 to 50,000 (1931 Census) ... ..	15.5	11.2	25.8
Maldon Rural District ...	15.1	11.3	8.9

When corrected for age and sex distribution of population, Maldon Rural District's birth rate becomes 17.2 and death rate 8.7.

The natural increase in the population, namely, the excess in the number of live births over the number of deaths, is shown in the following tabular statement for each of the ten years 1942—1952.

Year	No. of Births	No. of Deaths	Natural Increase
1942 ...	205	196	+ 9
1943 ...	193	204	—11
1944 ...	255	174	+81
1945 ...	214	185	+29
1946 ...	268	204	+64
1947 ...	259	192	+67
1948 ...	240	135	+105
1949 ...	223	192	+31
1950 ...	234	188	+46
1951 ...	253	215	+38
1952 ...	225	168	+57

## PUBLIC HEALTH STAFF.

---

*Clerk to the Rural District Council*      L. H. Hiscott

*Medical Officer of Health*      ...      John F. Macdonald, M.D.,  
Ch.B., D.P.H., who also acts  
in this capacity for the Rural  
District of Chelmsford.

*Surveyor and Water Engineer* ...      I. M. Nicholson, M.I.Mun.E.,  
A.M.I.S.E.

*Senior Sanitary Inspector*      ...      G. L. Turner, M.R.San.I.  
Qualified Inspector of Meat  
and other Foods.

*Additional Sanitary Inspector* ...      L. F. Newnham, M.R.San.I.,  
Qualified Inspector of Meat  
and other Foods.

*Housing Assistant*      ...      ...      V. A. Arnold.

*Clerk to Sanitary Inspectors* ...      Miss J. Cruess (*Appointed*  
8.12.52.)



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