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RURAL DISTRICT
COUNCIL

ANNUAL REPORT

OF THE
MEDICAL OFFICER OF
HEALTH

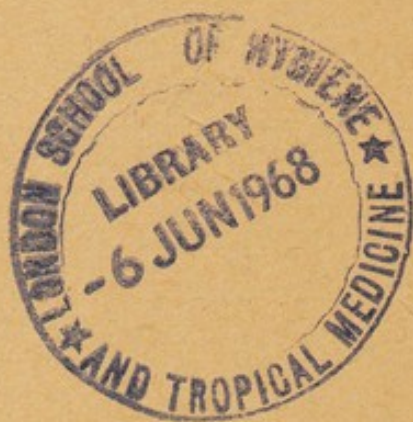
(JOHN F. MACDONALD, M.D., D.P.H.)

(Barrister-at-Law)

FOR
1946

W. H. HOULDERSHAW, LTD., PRINTERS, 49-55, LONDON ROAD
SOUTHEND-ON-SEA.

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RURAL DISTRICT
COUNCIL

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LONDON ROAD,
CHELMSFORD.

10th July, 1947.

**To the Chairman and Members of the Rochford
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 1946.

The progress of the Housing Programme has been disappointing, but it is hoped, when labour and materials are more readily available, the erection of further council houses will proceed at a good pace.

Many of the difficulties facing the Council I am satisfied flow from the long lengths of unmade roads throughout the District. To make progress it will be necessary to make up these roads without waiting until they are substantially built upon.

I am of the opinion that the teaching of housework and cooking should be extended in the schools to include the older boys as well as the girls.

For much assistance in the preparation of this report I am indebted to Mr. Jepson, Chief Sanitary Inspector, and to my other colleagues for information supplied.

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

I beg to remain,

Your obedient servant,

JOHN F. MACDONALD.

STAFF

S. C. HARRIS, *Clerk to the Council.*

PUBLIC HEALTH DEPARTMENT.

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

Clerk to the Medical Officer of Health: W. D. Hall. (Mr. Barton resigned in 1947).

SANITARY INSPECTOR'S DEPARTMENT.

Chief Sanitary Inspector: H. Jepson, M.R.San.I., M.S.I.A. from January, 1947.

Mr. J. H. Riley, M.R.San.I., M.I.S.A., resigned 30th September, 1946.

Mr. H. W. Stock, A.R.San.I., M.S.I.A., was loaned by the Essex County Council from 24th September, until December, 1946.

Temporary Clerks to the Sanitary Inspector: D. G. Stripp (in H.M. Forces since August, 1944). Mrs. N. E. Houson, from February, 1945. Shorthand Typist: Miss P. M. Furguson from April, 1946. General Assistant: Mr. Brittain from March, 1946.

ENGINEER AND SURVEYOR'S DEPARTMENT.

Engineer and Surveyor and Town Planning Officer: A. N. Box, M.Inst.M.Cy.E., A.M.T.P.I., M.R.San.I.

Deputy Surveyor: G. Page.

Building Inspector: D. Greenwood.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (acres)	...	...	...	36,080	...	(land and inland waters)
Resident Population mid. 1945	6	16,830	...			(estimated by Registrar General)
1931 census population (post County review)		...	13,969	...		(6,864 males, 7,105 females)
Number of inhabited houses at 1931 census (post County review)		...	...	4,250		
Estimated number of houses at the end of 1946		...		5,619		
The Rateable value of the District for the half-year ended 31st March, 1946, was				£100,748		
Product of a penny rate, year ended 31st March, 1946		...		£420 0s. 1d.		

Social Conditions. A large proportion of the adult population is engaged in agriculture, and owing to the railway facilities an increasing number of people engaged in business in Greater London reside in the district.

The brick making industry is resuming its pre-war activity.

Consideration is being given to the question of the establishment of light industry within the District.

The industries carried on in the district cannot be said to be detrimental to the health of those engaged therein.

Extracts from vital statistics of the year.

Live Births	{ Legitimate	Total 302	Male 152	Female 152	Birth-rate per 1,000 of the estimated civilian population—18.8
	{ Illegitimate	15	6	9	
Still Births	{ Legitimate	11	6	5	Rate per 1,000 total (live and still) births 34
	{ Illegitimate	—	—	—	
Deaths	... ..	245	126	119	Death-rate per 1,000 of the estimated civilian population 14.6

Deaths from Puerperal and Post abortive sepsis ... Nil
 „ „ Other maternal causes Nil

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

Males 11 (illegitimate 1), Females 5					Total 16
Deaths of infants under 1 year of age :—					
Legitimate infants per 1,000 legitimate live births					49.7
Illegitimate „ „ „ illegitimate „ „					66.7
Total „ „ „ total „ „					50.5
Death from Measles (all ages)	...	...	...	...	Nil
„ „ Whooping Cough (all ages)	...	...	...	...	Nil
„ „ Diarrhoea (under 2 years of age)	...	...	...	...	Nil
„ „ Cancer (all ages)	...	...	...	...	41

COMPARATIVE TABLE OF BIRTH AND DEATH RATES DURING THE YEAR 1946.

	Rate per 1,000 civilian population		Deaths under one year per 1,000 registered live births
	Live Births	Deaths from all causes	
England and Wales	19.1	11.5	43
126 County Boroughs and Great Towns including London	22.2	12.7	46
148 Smaller Towns with estimated resident population of from 25,000 to 50,000 (1931 Census)	21.3	11.7	37
Rochford Rural District	18.8	14.6	50

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

Causes of Death	Males	Females	Totals
Typhoid and Paratyphoid Fever ...	—	—	—
Measles	—	—	—
Scarlet Fever	—	—	—
Whooping Cough	—	—	—
Diphtheria	—	—	—
Influenza	2	—	2
Acute Inf. Encephalitis	—	—	—
Cerebro Spinal Fever	—	—	—
Acute Poliomyelitis and Polioencephalitis	—	—	—
Tuberculosis of Respiratory System ...	4	3	7
Other Tuberculous Diseases	—	2	2
Syphilitic Diseases	—	2	2
Cancer	15	24	41
Diabetes	1	2	3
Intra Cranial vascular lesions ...	12	21	33
Heart Disease	31	35	66
Other Circulatory Diseases	5	2	7
Bronchitis	8	6	14
Pneumonia (all forms)	9	5	14
Other Respiratory Diseases	2	—	2
Ulcer of stomach or Duodenum ...	1	1	2
Diarrhoea (under 2 years)	—	—	—
Appendicitis	2	—	2
Other Digestive Diseases	5	3	8
Nephritis	3	1	4
Puerperal and Post abortive sepsis ...	—	—	—
Other Maternal causes	—	—	—
Malformation, etc.	5	4	9
Premature Birth	3	—	3
Suicide	1	—	1
Road traffic accidents	—	—	—
Other violent causes	2	—	2
All other causes	15	8	23
TOTALS ...	126	119	245

NUMBER OF DEATHS AT VARIOUS AGES.

			Occurring in district	Of non- residents occurring in district	Of residents occurring outside district	Allotted to district
Under 1 year ...	...		69	54	1	16
1 and under 2 ...	...		1	1	—	—
2 " " 5 ...	...		5	4	—	1
5 " " 15 ...	...		5	4	—	1
15 " " 25 ...	...		15	13	—	2
25 " " 35 ...	...		16	12	—	4
35 " " 45 ...	...		30	25	3	8
45 " " 55 ...	...		68 ⁷	55	1	13
55 " " 65 ...	...		137	107	7	37
65 " " 75 ...	...		235	177	8	66
75 and upwards ...	...		304	213	6	97
Totals ...	...		884	665	26	245

The natural increase in the population, namely, the excess of the number of births over the number of deaths, is shown in the following tabular statement for the years 1938-46.

During 1938 there were 218 births and 183 deaths, giving a natural increase of 35							
"	1939	"	251	"	183	"	" 68
"	1940	"	215	"	220	"	" decrease of 5
"	1941	"	238	"	205	"	" increase of 33
"	1942	"	249	"	220	"	" 29
"	1943	"	280	"	209	"	" 71
"	1944	"	275	"	191	"	" 84
"	1945	"	264	"	220	"	" 44
"	1946	"	317	"	245	"	" 72

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

The District Council consists of 22 elected members who meet monthly.

The following Committees deal directly or indirectly with health matters :—

- Public Health
- Housing
- Town Planning and Plans
- Plans Sub-Committee
- Finance
- Sewerage
- Pleasure Grounds
- General Purposes
- Fire Brigade
- Rating and Valuation

The Council is represented on the—

- South-East Essex United District (Medical Officer of Health) Committee
- South-East Essex Joint Hospital Board
- South-East Essex Superannuation Joint Committee
- South-East Essex Assessment Committee
- South-Eastern Area Guardians Committee
- Rural District Council's Association (Essex Branch)
- Rochford Library Sub-Committee
- National Savings Committee
- South-East Essex Divisional Executive (Education)
- South-East Essex Joint Planning Committee.
- Southend Local Employment Committee.
- Rochford Council and Staff Joint Committee
- Rochford District Road Safety Organisation
- Joint Advisory Committee on Rural Housing

Reports of the Committees are sent out to all members before each Council Meeting.

The minutes of the Council are circulated.

**HOSPITALS PROVIDED OR SUBSIDISED BY THE
LOCAL AUTHORITY OR BY THE COUNTY
COUNCIL :—**

(1)—Tuberculosis Hospitals. A number of Sanatoria are available throughout the county. These are provided by the County Council. None of the Institutions so provided is in Rochford Rural District.

(2)—Maternity. Arrangements are made under the County Council's Scheme with certain Hospitals to admit :—

(a) Complicated cases of confinement (Municipal Hospital, Rochford, St. John's Hospital, Chelmsford and Colchester Borough Maternity Home).

(b) Cases of Puerperal Pyrexia (Colchester, Rush Green Waltham Abbey, and Billericay Isolation Hospitals).

(c) Expectant mothers for whom Hospital treatment is necessary.

In connection with (b) an Obstetric Specialist for consultations with medical practitioners is available.

(3)—CHILDREN. Arrangements are made by the County Council for :—

(a) The examination of children at an Orthopaedic Ascertainment Clinic and for institutional treatment of cases recommended by the Orthopaedic Surgeon. (Pitsea held twice a year and Grays held approximately every two months).

After-treatment clinic held at Rochford on 2nd Tuesday morning in the month commencing at 9.30 a.m.

When Hospital Treatment is recommended children can be admitted to The Lodge Hospital, Orsett or Oldchurch County Hospital, Romford.

Paediatric Specialist :—Services available for consultations with Medical Practitioners and at Clinics.

- (b) *Ophthalmia Neonatorum*.—Arrangements are in force for the admission of children suffering from *Ophthalmia Neonatorum* to Rush Green Isolation Hospital, Romford and Oldchurch County Hospital Romford. Where if for some particular reason the infant cannot be admitted to hospital, the County Council has an arrangement with the Essex County Nursing Association for the provision of a trained nurse at the patient's home.
- (c) Hospital treatment for children suffering from minor ailments, such as tonsils and adenoids, made by the Essex Education Committee (Chelmsford and Essex Hospital, Chelmsford; St. John's Hospital, Chelmsford and Essex County Hospital, Colchester).
- (4)—OTHER HOSPITALS. Cases requiring treatment in a General Hospital are admitted to Southend Municipal Hospital, Rochford, under an arrangement with the County Borough of Southend-on-Sea and the Essex County Council. Residents in the district are also admitted for treatment to voluntary hospitals in Southend and London.
- (5)—ISOLATION HOSPITAL.—The Hospital situated in Billericay is administered by a Joint Hospital Board on which the district Council is represented.
- (6)—A Small-pox Hospital is provided by the Essex County Council. For this purpose the County Council has entered into an agreement with the Borough of Colchester for the provision of Hospital treatment, including ambulance services for small-pox cases.

AMBULANCE FACILITIES.—(a) For infectious diseases there is a motor ambulance which is housed at the Isolation Hospital Billericay.

- (b) For non-infectious and accident cases arrangements have been made with the St. John Ambulance Brigade (Southend Division), and the Rayleigh Ambulance Committee for their ambulance to be available for cases in the Rural District. There is an agreement in force for the reciprocal use of ambulances throughout the County of Essex.

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS, ILLEGITIMATE INFANTS AND HOMELESS CHILDREN IN THE AREA—Accommodation is that provided by the Public Assistance Committee at certain of their Institutions and suitable cases can be admitted to the Hostel at Ardmore, Buckhurst Hill. In addition, infants can be cared for by Foster-Mothers under a guaranteed pay scheme.

Maternity and Child Welfare centres for the district are set out in the table on page 13.

Professional Nursing in the Home.

(a) *General*.—No arrangements have been made by the District Council, but for General Nursing there are a number of local Nursing Associations throughout the district that employ nurse-midwives. These are under the supervision of the County Nursing Association.

(b) *For Infectious Diseases*.—No arrangement has been made by the District Council.

MIDWIVES.—There were seven midwives practising in the district at the end of 1946 (Six are district nurses and the remaining one is in private practice).

REGISTERED NURSING HOMES.—There are none in the district.

LABORATORY FACILITIES.—These facilities are provided by the Essex County Council.

DIABETES TREATMENT.—During the year, Insulin has been supplied free to one person suffering from Diabetes and for whom no other public provision was made. The authority to provide insulin is repealed as from 5th July, 1948, by the National Health Service Act, 1946.

**CLINICS AND TREATMENT CENTRES (All provided by the County Council).
Maternity and Child Welfare Centres.**

Centre	Address	Sessions (Monthly)	Medical Officer
Rochford	Rocheway, Rochford	Mondays 2 p.m.	Dr. J. B. Ratcliffe attends 2nd, 4th & 5th Mondays.
Rochford (ante natal Clinic)	„ „	2nd & 4th Friday afternoons 2 p.m. 2nd & 4th Thursday afternoons 2 p.m.	
Great Wakering	Village Hall		Dr. J. B. Ratcliffe
Great Wakering (ante natal Clinic)	„ „		
Foulness	„ The Hut	1st Thursday 2.30 p.m. 3rd Wednesday 2.30 p.m.	No doctor. Dr. J. B. Ratcliffe attends 3rd Friday.
Canewdon	Village Hall	2nd Wednesday 2 p.m.	
Hockley	Methodist Hall	1st & 3rd Fridays 2.30 p.m.	

	Address	Hours of Sessions
School Minor Ailments Clinics	Rochford Combined Treatment Centre, Roche Way	Fridays, 10 a.m.
Dental Clinic	do.	Held as and when required.
Ophthalmic Clinic	do.	do. do.
Tuberculosis Dispensary	Southend Dispensary, Warrior Square	1st and 3rd Tuesdays, 10 a.m.—12 noon.

Treatment Centres for Venereal Diseases :

Facilities available at Southend, Chelmsford, Romford, and at a number of London Hospitals.

WATER SUPPLY

At the present time, with the exception of Foulness and Havengore, all the water mains in the district belong to the Southend Waterworks Company. This company has statutory powers to supply water throughout the district.

From time to time the service mains of the company are extended.

(a) On the Company's own initiative.

(b) Under a contract with the District Council who guarantee an agreed income from water rates as a result of the extension. This guarantee, continues until, on three consecutive years, the amount collected by the Company, by means of water rates, is equal to the annual guaranteed sum.

Excluding the parishes of Foulness including Havengore (supplied by private water mains), the Southend Waterworks Company provide 89 per cent of the dwelling houses in the district with a piped water supply.

In outlying areas of the district a number of premises used for human habitation have to depend on rain water collected from the roofs. The supply gives out during periods of drought.

During the year a survey of the District was completed to enable the Council to prepare its programme for the proposed extension of water mains.

This programme is subject to the approval of the Ministry of Health and the County Council. The following table indicates the number of houses which will be served, and the length of main proposed for each parish.

<i>Parish</i>	<i>Roads</i>	<i>No. of Houses</i>	<i>Extension of Mains in yards</i>
ASHINGDON (including SOUTH FAMBRIDGE)			
	Nelson Road ...	2	182
	New Park Drive ...	2	330
	Cavendish Road ...	3	300
	Oakfield Road ...	2	180
	Wellington Road ...	1	60
	Woodside Road... ...	No property	270
	Clarendon Road ...	2	300
	Granville Road ...	2	320
	New Hall Road ...	4	560
	Vincent Road ...	3	650
	Trinity Wood Road ...	3	255
	Harrogate Road ...	3	316
		27	3728

<i>Parish</i>	<i>Roads</i>	<i>No. of Houses</i>	<i>Extension of Mains in yards</i>
BARLING (including LITTLE WAKERING)			
	Barling Road	23	1650
	Barrow Hall Road	6	670
		—	—
		29	2320
HAWKWELL			
	White Hart Lane	4	327
	York Road	5	800
	Lincoln Road	7	520
	Durham Road	3	347
		—	—
		19	1994
HOCKLEY			
	Pools Lane	2	760
	Skewpath Road	5	233
	High Elms Road	5	264
	Burnham Road	2	230
	Meadow Road	2	96
	Crough Avenue	10	480
	Cromwell Close	4	165
	Wellington Avenue	9	320
	Queen Anns Grove	2	60
	Kingsway	4	160
	Cranleigh Gardens	1	60
	Central Avenue	13	700
	Fourth Avenue	1	60
	Burlington Gardens	3	117
	Broadway Gardens	Link Main	158
	Murrells Lane	5	733
	Bullwood Approach	2	200
	Crown Road	3	93
	Woodside Road	1	34
	Hillside Road	2	168
	Lower Hockley Road	21	2,470
	Etheldore Avenue	8	236
	Beckney Avenue	10	292
	Meadow Drive	4	73
		—	—
		119	8,162
PAGLESHAM			
	Ballards Gore to Church End...	28	2,760
	To east end and Waterside Road	66	3,760
		—	—
		94	6,520
ROCHFORD			
	Cherry Orchard Lane	11	1,250
GREAT WAKERING			
	Shoebury Road & Poynters Lane	5	655
	Poynters Lane	4	1,200
		—	—
		9	1,855
TOTAL LENGTH : 14 miles, 1,184 yards. TOTAL NO. OF HOUSES : 308			

The following table shows the approximate number of dwelling-houses in the parishes and the number supplied from the Southend Waterworks Company's mains on 31st December, 1946.

PARISH	NUMBER OF HOUSES ON 31ST DECEMBER, 1946			
	In Parish (Estimated)	Supplied from Mains Domestic	Non- Domestic	Without Mains Water Supply
Ashingdon	395	340	23	55
Barling	295	167	11	128
Canewdon	225	176	25	49
Great Wakering	779	730	35	49
Hawkwell	944	901	29	43
Hockley	1158	1105	63	53
Rochford... ..	1397	1361	48	36
Stambridge	144	84	10	60
Sutton	62	60	9	2
TOTALS	5399	4924	253	475

Note.—Figures in the first column exclude properties under £4 rateable value.

Note.—In accordance with the boundary revision as from 1st April, 1946, the following parishes have been amalgamated: Ashingdon includes Fambridge, Barling Magna includes Little Wakering.

The following is a copy of the analysis of a recent sample taken from the mains.

Chemical results in parts per Million.

Appearance	...	Bright. Turbidity nil.
		Silica scale :—
Colour	...	Hazen (less than 10)
Odour	...	Nil
Reaction pH	...	9.3 (alkaline)
Free Carbon Dioxide	...	Absent
Electric Conductivity at 20° C.	...	500
Total Solids, dried at 180° C.	...	335
Chlorine in Chlorides	...	40
Hardness : Total	...	155
Temporary	...	20
Permanent	...	135
Nitrogen in Nitrates	...	4.6

Nitrogen in Nitrites	...	0.1
Free Ammonia	...	0.31
Albuminoid Ammonia	...	0.066
Oxygen absorbed in 4 hrs. at 27° C.		1.20
Metals	...	Iron : Less than 0.03
Free Chlorine reaction at sampling tap		0.1
No. of Bacteria growing on Agar per c.c. or ml. in 1 day at 37° C.		0
" " " "		2 days at 37° C. 0
" " " "		3 days at 20° C. 0
Bact. coli	...	Present —
		Absent 100 c.c.
Cl. Welchii Reaction	...	Present —
		Absent 100 c.c.

This sample is clear and bright in appearance, and free from metals apart from a negligible trace of iron. The water is distinctly alkaline in reaction but not unduly so. The water is moderately hard in character and contains no excess of salinity or mineral constituents in solution. It is of satisfactory organic quality and of a high standard of bacterial purity.

These results are consistent with a pure and wholesome water suitable for drinking and domestic purposes.

(Signed) GORDON MILES, B.Sc., F.R.I.C.

Particulars of the water supplies of the remaining areas in the district not at present served by the Southend Waterworks Company are as follows :—

In the parishes of Foulness (including Havengore) the owners have provided a piped water supply to most of the dwelling houses.

The parish of Paglesham with its 107 dwelling houses has no piped water supply. Its inhabitants have to rely on shallow wells and as is well known, such sources are always liable to pollution.

The proposed water mains extensions scheme includes this parish.

DRAINAGE AND SEWERAGE.

There are two sewage disposal works in the District.

One of these disposal works is situated within the parish of Stambridge and deals with sewage from the parish of Rochford (including the Anne Boleyn Estate) and parts of the parishes of Ashingdon, Hawkwell and Hockley. Sewage from outside the Rural District is also treated at Stambridge, namely the area of Eastwood transferred to the County Borough of Southend-on-Sea and part of the parish of Thundersley in the Urban District of Benfleet.

The standard of the effluent from the Stambridge Disposal works into the tidal water has been uniformly high and well within the limits of purity required by the standard adopted by the Essex County Council for inland waterways. The programme for the reconditioning of the sludge beds was continued with very satisfactory results and was completed in 1945.

Additional provisions are, however, becoming necessary with regard to dealing with sludge, either by additional sludge bed area, or by sludge digestion.

The other sewerage purification works which is situated within the parish of Great Wakering treats sewage from the more populous parts of that parish.

Except after heavy rains, the standard of this effluent has been uniformly high, similar to that of the Stambridge works. Rectification of the existing defects cannot properly be dealt with at the present time, but it is probable that this matter which is mainly one of overloading will have to receive attention in due course.

The original Diesel oil engines at the pumping station have been replaced by electrification, and the result is a great improvement.

Drainage and Sewerage.—The number of house drainage connections made to the main sewers during the year was :—

EXISTING DWELLINGS.

<i>Parish</i>	<i>No. of</i>	<i>Connections</i>
Ashingdon	1
Hockley	7

NEW DWELLINGS.

Hockley ... ..	...	75
Hawkwell ... ..	...	4
Rochford ... ..	...	13

The Council has decided that, wherever possible, surface water drainage would best be dealt with on the separate system and so avoid serious overloading on the soil sewerage pumping systems.

PUBLIC CLEANSING.

All collections are dealt with by direct labour.

The following are particulars of the House Refuse and Night Soil Collection Services at the end of 1946 :—

Parish	Scheme	House Refuse Bins	Night Soil Pails
Ashingdon	Direct Labour	189	55
Barling	" "	263	162
Canewdon	" "	181	127
Foulness Island	" "	83	—
Hawkwell	" "	733	9
Hockley	" "	705	66
Paglesham	" "	88	12
Rochford	" "	1338	12
Stambridge	" "	108	86
Sutton	" "	53	—
Wakering, Great	" "	826	71
	Totals ...	4567	600

N.B.—In accordance with the boundary revision as from 1st April, 1946, the following Parishes have been amalgamated :—

Ashingdon with South Fambridge

Little Wakering with Barling

Havengore with Foulness

The Salvage scheme, inaugurated in 1939, was continued and the following materials were salvaged and returned to industry during the year :—

	Tons	cwts.	qrs.	lbs.
Waste Paper	37	16	—	—
Ferrous Scrap	6	4	—	—
Non Ferrous Metals	1	3	2	—
Textiles	4	9	—	—
Bottles and Jars	15	4	2	—
Bones	5	14	—	—
Broken Records	—	1	—	—
TOTAL ...	71	2	—	—

VALUE : £433 5s. 5½d.

SANITARY INSPECTION OF THE AREA.

The following table gives details of the inspections carried out and notices served during the year 1946 :—

Nature of Inspection	Total Inspec- tions	Notices Served	
		Informal	Formal
Housing	245	104	—
Rural Housing Survey	1300	—	—
Building Licences	160	—	—
Moveable Dwellings	29	—	—
Verminous or dirty premises ...	25	—	—
Disinfestations	8	—	—
Infectious Diseases	37	—	—
Infectious Contacts	102	—	—
Diphtheria Immunisation Clinics	30	—	—
Water Supplies	88	—	—
Drainage	38	—	—
Cesspool Nuisances	41	—	—
Bakehouses	—	—	—
Dairy Farms	33	—	—
Food premises	52	—	—
Slaughterhouses	15	—	—
Knacker's Yards	—	—	—
Rats and Mice	380	—	—
Rats and Mice (Survey)	2599	—	—
Polluted Watercourses and Ditches	15	—	—
Nuisances (miscellaneous) ...	3	14	—
Refuse Tips	47	—	—
Dust Bins	35	54	—
Petrol and Carbide Storage ...	17	—	—
Miscellaneous visits	218	—	—
Disinfections	7	—	—
Ice Cream Premises	18	—	—
Factories	3	—	—
Totals ...	5545	173	Nil

Smoke Abatement :

No action taken during the year.

Swimming Baths and Pools :

None in the area but the tidal rivers in the district are used for this purpose.

Eradication of Bed Bugs.

Eight dwellings were fumigated with sulphur and sprayed with "Zaldecide." In a number of cases of infestation by fleas, sulphur candles were supplied free of cost to householders.

accommodation.

use **Moveable Dwellings.**

INSPECTION AND SUPERVISION OF FOOD

(a) Milk (Special Designations).

Eight Supplementary Licences to sell milk under the (Special Designations) Orders 1936 and 1938 were issued during the year—four in respect of “Tuberculin Tested” and four in respect of “Pasteurised.”

There are fifteen producers of “Accredited” Milk and six producers of “Tuberculin Tested” Milk in the District.

(b) Dairies and Cowsheds.

At the end of the year there were 37 Cowkeepers and in addition 20 Retail Purveyors of Milk, making a total of 57.

Two Wholesale and Retail Purveyors (Cowkeepers) gave up retailing, but retained business as Wholesale Purveyors, while one new Cowkeeper and Wholesale Purveyor was registered and 2 gave up business during the year.

One Wholesale Purveyor and 2 Retail Purveyors gave up business during the year.

REGISTRATIONS OF COWKEEPERS AND PURVEYORS OF MILK IN RESPECTIVE PARISHES.

Parish	Cowkeeper's premises			Not Cow-keepers	Totals
	Wholesale Purveyors of Milk	Wholesale and Retail Purveyors	Retail Purveyors	Retail Purveyors of Milk	
Ashingdon ...	6	—	2	—	8
Canewdon ...	6	—	—	—	6
Barling ...	—	1	—	—	1
Foulness ...	—	—	—	3	3
Hawkwell ...	1	—	—	1	2
Hockley ...	5	1	—	8	14
Paglesham ...	—	1	—	—	1
Rochford ...	4	1	—	6	11
Stambridge ...	2	2	—	—	4
Sutton ...	—	1	—	—	1
Wakering, Great	3	1	—	2	6
Totals ...	27	8	2	20	57

(c) **Meat and other Foods.**

Eight private Slaughterhouses and one Knackers Yard were licenced for the year but the Slaughterhouses were little used except for emergency killing and slaughtering of a limited number of pigs under the Ministry of Food Permits. There is no Government Slaughterhouse in the District.

The following foodstuffs were inspected and found unfit for human food. The Ministry of Food Salvage Department was notified in accordance with Food Salvage Regulations :—

TINNED FOODS				FRESH FOOD			
		<i>lbs.</i>	<i>ozs.</i>			<i>lbs.</i>	<i>ozs.</i>
Meat	...	461	12	Seville Oranges	...	210	—
Fish	...	19	5½	Pig (Tuberculosis)	...	177	8
Milk	...	78	10	Imported Meat	...	261	—
Vegetables	...	30	14	Home Killed Meat	...	55	—
Fruit	...	15	—	Tea	...	46	—
Various (15 tins)	...	—	—	Fish	...	266	—
				Piping Jelly	...	7	—
		605	9½			1022	8

Bakehouses :

There are 9 bakehouses in the district. No action has been taken for infringements during the year.

Petroleum and Carbide of Calcium Licences.

Twenty-eight licences were issued to store petroleum and one to store Carbide of Calcium.

HOUSING.

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

Number of new houses erected during the year ...	101
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)	232
(b) Number of inspections made for the purpose	245
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	Nil
(b) Number of inspections made for the purpose	Nil
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	Nil
(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 ...	60
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 ...	43
3. Action under Statutory Powers during the year :—	
(A)—Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	Nil
(2) Number of dwelling-houses which were rendered fit after service of formal notices :	
By owners	Nil

(B)—Proceedings under Public Health Acts :—

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

- (C)—Proceedings under Sections 11 and 13 of the the Housing Act, 1936 :—
- Number of dwelling-houses demolished in, pursuance of Demolition Orders ... Nil

TABLE SHEWING POPULATION AND NUMBER OF HOUSES AT CENSUS 1931, AND THE NUMBER AT THE END OF DECEMBER, 1946.

Parish	Area in statute acres (land and inland water)	Census, 1931		Number of Houses at end of 1946	
		Houses	Popula- tion	Gross	With £20 and under Rateable Value
Ashingdon ...	2503	274	786	395	383
Barling ...	2747	231	800	295	249
Canewdon ...	6845	188	634	225	229
Foulness ...	7235	112	426	113	109
Great Wakering...	3314	780	2498	779	780
Hawkwell ...	1408	600	1744	944	895
Hockley ...	3631	820	2016	1158	1189
Paglesham ...	1687	105	311	107	101
Rochford ...	2988	939	3968	1397	1221
Stambridge ...	2202	140	549	144	135
Sutton ...	1520	61	237	62	53
Totals ...	36080	4250	13969	*5619	5344

*The above totals include the following Crown properties :—
Great Wakering 20.

* Exclusive of Properties under £5 rateable value.

N.B. In accordance with the boundary revised as from 1st April, 1946, the following Parishes have been amalgamated:—South Fambridge with Ashingdon. Little Wakering with Barling. Havengore with Foulness.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

Infectious Diseases Generally.

During the year 285 cases of infectious diseases (exclusive of Tuberculosis) were notified as compared with 366 during 1945.

In the tables on pages 28 and 29 cases of infectious diseases are classified according to age, disease and locality.

The immunisation of children against Diphtheria was continued during the year. The prophylactic used throughout was A.P.T. The tables on pages 30 and 31 show the position at the end of 1946 and the number of Diphtheria notifications and deaths in relation to Immunisation.

A number of contacts of Smallpox arrived in the District and were kept under observation until the period of incubation was passed. None of these contacts contracted the Disease.

TUBERCULOSIS.

New Cases and Mortality during 1946.

During the year 9 deaths were registered as due to Tuberculosis—7 Pulmonary and 2 Non-Pulmonary. These cases had all been notified.

The following table shows the numbers of new cases of Tuberculosis and of deaths from this disease in the area during 1946, classified according to age and sex :—

Age	*New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	—	—
1—5 ...	—	—	—	—	—	—	—	—
5—10 ...	1	1	—	2	—	—	—	—
10—15 ...	—	—	—	—	—	—	—	—
15—20 ...	1	1	—	—	—	—	—	—
20—25 ...	4	3	—	—	—	—	—	—
25—35 ...	1	3	—	—	1	2	—	—
35—45 ...	—	2	—	—	1	—	—	—
45—55 ...	1	—	—	1	—	1	—	—
55—65 ...	—	—	—	—	1	—	—	—
65 and over ...	1	—	—	—	1	—	—	2
TOTALS ...	9	10	—	3	4	3	—	2

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

NOTIFIABLE DISEASES DURING THE YEAR 1946 (EXCLUSIVE OF TUBERCULOSIS)

Notifiable Disease	Total Cases Notified	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over	Cases admitted to Hospital	Total Deaths
Cerebro-Spinal Meningitis ...	3	—	—	—	—	—	—	—	1	1	—	1	—	3	—
Scarlet Fever ...	31	—	—	2	1	1	19	2	3	2	1	—	—	21	—
Diphtheria ...	4	—	—	—	—	—	—	4	—	—	—	—	—	4	—
Measles ...	116	2	7	11	16	15	56	3	4	2	—	—	—	2	—
Whooping Cough ...	41	3	6	9	3	4	12	2	—	—	—	—	2	1	1
Pneumonia ...	17	2	1	—	—	2	2	1	—	—	1	5	3	2	14
Erysipelas ...	7	—	—	—	—	—	—	1	—	2	2	1	1	—	—
Puerperal Pyrexia ...	37	—	—	—	—	—	—	—	6	31	—	—	—	37	—
Dysentery ...	6	—	—	—	—	—	1	—	—	3	—	—	2	6	—
Paratyphoid Fever ...	1	—	—	—	—	—	—	—	—	—	1	—	—	1	—
Ophthalmia Neonatorum ...	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Malaria ...	2	—	—	—	—	—	—	—	—	2	—	—	—	—	—
Hepatitis ...	11	—	—	—	—	—	3	2	2	4	—	—	—	1	—
Food Poisoning ...	7	—	—	—	—	—	—	—	1	1	1	3	1	—	—
TOTALS ...	285	9	14	22	20	22	93	15	17	48	6	10	9	78	15

* All Forms

Table Shewing Local Distribution of Cases Notified During 1946.

PARISH	Paratyphoid Fever	Ophthalmia Neonatorum	Malaria	Hepatitis	Cerebro-Spinal Meningitis	Scarlet Fever	Diphtheria	Measles	Whooping Cough	Pneumonia	Erysipelas	Puerperal Pyrexia	Dysentery	Streptococci Infection	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Totals
Ashington ...	—	—	—	—	—	1	—	7	5	1	—	—	—	—	1	—	15
Barling ...	—	—	—	—	—	2	—	5	3	1	—	—	—	—	—	—	11
Canewdon ...	—	—	—	2	—	—	—	5	3	—	—	—	—	—	—	—	10
Fambridge, S.	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	2
Foulness ...	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1
Havengore ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hawkwell ...	—	1	—	—	—	5	—	5	1	1	1	—	—	1	2	1	18
Hockley ...	—	—	—	—	—	4	—	21	6	1	1	—	—	6	4	1	44
Paglesham ...	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	2
Rochford ...	1	—	—	2	3	11	4	62	8	6	2	37	6	—	7	1	150
Stambridge ...	—	—	—	—	—	—	—	5	3	—	—	—	—	—	1	—	9
Sutton ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wakering, Great	—	—	2	5	—	6	—	4	9	7	3	—	—	—	4	—	40
Wakering, Little	—	1	—	2	—	—	—	1	1	—	—	—	—	—	—	—	5
TOTALS	1	2	2	11	3	31	4	116	41	17	7	37	6	7	19	3	307

DIPHTHERIA NOTIFICATIONS AND DEATHS IN RELATION TO IMMUNISATION

Age at date of Notification	NOTIFICATIONS		DEATHS		
	Number of Cases Notified	Number of cases included in preceding column in which the child had completed a full course of immunisation	Age at date Death	Number of Deaths	Number of cases included in preceding column in which the child had completed a full course of immunisation
Under 1	—	—	—	—	—
1	—	—	—	—	—
2	—	—	—	—	—
3	—	—	—	—	—
4	—	—	—	—	—
5 to 9	—	—	—	—	—
10 to 14	3	1	—	—	—
Totals	3	1	—	Nil	Nil

IMMUNISATION IN RELATION TO CHILD POPULATION

	Number of children who had completed a full course of immunisation at any time up to 31st December, 1946.							
	Under 1 1946	1 1945	2 1944	3 1943	4 1942	5 to 9 1937-1941	10 to 14 1932-1936	Total under 15
Age at 31.12.46 i.e. Born in year ...								
Number of children im- munised ...	10	104	179	169	133	875	906	2376
Number of births regis- tered ...	—	264	275	280	249	1132	1197	—
Estimated Mid-year popu- lation 1945 ...	—	—	1380	—	—	2320	—	—
Percentage Immunised ...			43%			76%		64%

**NUMBER AND TYPE OF HOUSES OWNED BY THE
DISTRICT COUNCIL AT END OF 1946.**

PARISH	Number of Non- Parlour Type	Number of Parlour Type	Totals
Ashington	—	—	—
Barling Magna	16	—	16
Canewdon	43	6	49
Foulness	—	—	—
Hawkwell	—	—	—
Hockley	—	2	2
Paglesham	12	—	12
Rochford	92	58	150
Stambridge	28	—	28
Sutton	—	—	—
Great Wakering	98	2	100
Totals ...	289	68	357

Includes Agricultural Cottages (Parlour type Canewdon 6, Hockley 2, Great Wakering 2) and 3 cottage non-parlour in Canewdon (purchased by council).

Small Bungalows for aged (Rochford 8, Great Wakering 8) and ordinary Bungalow Canewdon 6.

RATEABLE VALUE OF DWELLING HOUSES ROCHFORD RURAL DISTRICT

ANALYSIS.

Parish	£5 and under	Over £5 to £8 (inclusive)	Over £8 to £12 (inclusive)	Over £12 to £20 (inclusive)	Over £20	Total Houses In Parish
Ashington	43	93	135	58	40	369
Barling	65	62	67	37	20	251
Canewdon	42	106	47	13	14	222
Foulness	30	35	39	1	9	114
Hawkwell	45	138	406	250	77	916
Hockley	107	224	243	350	247	1171
Paglesham	36	31	8	5	10	90
Rochford	92	174	490	429	268	1453
Stambridge	42	63	16	8	18	147
Sutton	33	12	1	7	10	63
Great Wakering	79	173	333	155	83	828
Grand Total	614	1111	1785	1313	796	5619
	(148)	(467)	(817)	(376)	(176)	(1984)

(The figures in brackets are those premises situated on unmade roads, i.e. roads not yet made up and adopted by the County Council).

In addition to rateable dwelling houses there are hutments etc., which are distributed as follows:—

Ashington 54 (40), Barling 18 (—), Canewdon 21 (2), Hawkwell 57 (44), Hockley 344 (305), Paglesham 21 (14), Rochford 46 (5), Stambridge 6 (—), Great Wakering 40 (5), a total of 607 (415).

For rating purposes these are all £4 and under.

N.B.—In accordance with the boundary revision as from 1st April, 1946, the following parishes have been amalgamated:—Ashington incorporates Farnbridge. Barling incorporates Little Wakering. Foulness incorporates Havengore.

