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RURAL DISTRICT COUNCIL

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A N N U A L R E P O R T

for

1939

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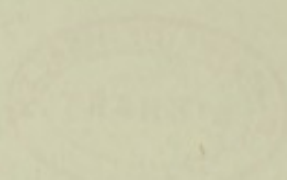
The Health of the
Hollingbourn Rural District

By the

MEDICAL OFFICER OF HEALTH

P. JACOB GAFFIKIN, M.C.,

M.D., B.Ch., B.A.O., D.P.H.



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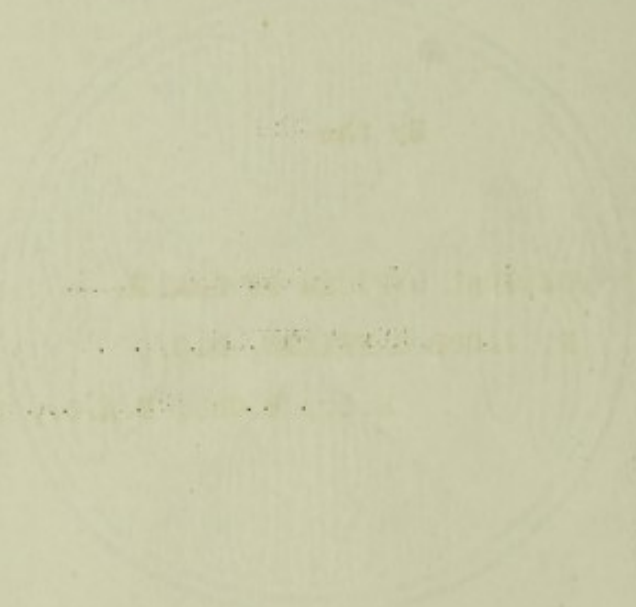
TO THE SECRETARY OF AGRICULTURE

FROM

THE

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REPORT OF THE MEDICAL OFFICER OF HEALTH
for the year ended December 31st 1939.

To the Chairman and Members of the Hollingbourn Rural District Council.

Gentlemen,

I present to you the Annual Report on the Health and Sanitary Condition of the Rural District for the year 1939.

In compliance with the instructions of the Minister of Health, this report is reduced in size as far as possible, being confined to urgent matters which have affected the public health during the year and the tables of figures and results, which though they do not make interesting reading and are a toilsome task in compilation, give the essential details of the work of the department. The present war emergency, which is the reason for the condensation of the report is also the cause of its very delayed appearance, for this report has been in process of completion for many months and the work has been too often interrupted by the call of the siren and the insistent demands of the A.R.P. casualty service both in preparation for action and latterly in actual and arduous service. There are limits to what can be done and the approach to these limits has been the reason for the delay in completing my report.

By instruction of the Ministry, the records of these war years are to be filed for the production of a full and detailed report at the return of peace to our land. May that task soon be laid on me, is the heart-felt wish of,

Your obedient Servant,

P. JACOB GAFFIKIN.

Medical Officer of Health.

13, Tonbridge Road, Maidstone.
December 4th, 1940.

SECTION A.

Statistics and Social Conditions of the Area.

Area	...	...	...	...	...	56,710 Acres.
Estimated Resident Population, 1939	...	...	...	...	...	14,870
Number of Inhabited houses (end of 1939)	...	...	...	...	...
according to Rate Books	...	...	...	...	...	4,475
Rateable Value	...	...	...	...	...	£77,502
Sum represented by a Penny Rate	...	...	...	...	...	£328

Extracts from Vital Statistics.

LIVE BIRTHS -		Total	Male	Female
Legitimate	...	181	80	101
Illegitimate	...	5	1	4
Birth Rate per 1,000 of the estimated resident population	...	13:1		

				2.
STILLBIRTHS -	Total	Male	Female	
Rate per 1,000 (Total live and still)	7	2	5	
births 36.3				
DEATHS -	189	113	76	
Death Rate per 1,000 of the estimated				
resident population	12.74			
Deaths from puerperal causes (Headings 29 and 30 of the Registrar				
General's Short List):-	Rate per 1,000 total			
	Deaths (live and still) births			
No.29. Puerperal Sepsis	-	-	-	-
No.30. Other Puerperal causes	-	-	-	-
Death Rate of Infants under one year of age:-				
All infants, per 1,000 live births				52.7
Legitimate infants, per 1,000 legitimate live births				55.3
Illegitimate infants, per 1,000 illegitimate live births				Nil
Deaths from Measles (all ages)				-
Deaths from Cancer (all ages)				23
Deaths from Whooping Cough (all ages)				-
Deaths from Diarrhoea under 2 years of age				1

SECTION B.

General Provision of Health Services for the Area.

This remains as set out in my Annual Report for 1938, the laboratory facilities, clinics and treatment centres being the responsibility of the Kent County Council.

SECTION C.

Sanitary Circumstances of the Area.

Water Supply. The chief improvement in the public water supply in the district during the year was that at last it was possible to secure that the Ulcombe system should be connected to the Company's water supplies and now a satisfactory supply has been obtained for this village. There is still need of extension of the public supply to other parts of the district.

Drainage and sewerage. There were no extensions of the sewers during the year. Two houses were connected to existing sewers. There is still the problem of the large number of cess-pits throughout the area, but I fear that no progress can be hoped for at present, in dealing with this question.

Rivers and Streams. No action to prevent pollution was taken during the year.

Sanitary Conveniences. Number of separate premises in the area 4479 containing sanitary conveniences, as follows:-

W.C's. into drainage system	971
W.C's into cesspools	1623
Earth Closets or privy middens	404
Pail Closets	882

Number of premises not connected to public water supplies 851

Scavenging. The campaign for the salvage of waste material which might assist in the production of munitions has been a factor in the lessening of the amount of refuse dumped throughout the district.

Sanitary Inspection of the Area. Attached is the report of the Sanitary Inspector.

REPORT OF
THE SANITARY INSPECTOR,
for the Year ended 31st December, 1939.

HOUSING. Your scheme of house building for the year was delayed for some months owing to pressure of work in connection with your Air Raid Precautions Scheme. The scheme for Ulcombe, eight houses was prepared and the land purchased. Tenders for these houses were invited, but the war came upon us and the scheme did not materialise.

Rooms in 54 cottages were measured and certificates of Permitted Numbers issued during the year.

DAIRIES, COWSHEDS & MILKSHOPS. In October the Food & Drugs Act, 1938 came into operation. The principal effect of this new legislation is, curiously enough, to reduce the number of registers. Previous to its operation three separate registers had to be kept, one for cowkeepers and wholesale producers, one for retailers and one for premises used as dairies. Now one register will suffice.

There are now 139 registered milk traders in your District, an increase of three during the year. Sixteen of these are licensed to produce Accredited Milk and four Tuberculin Tested Milk.

Forty-eight samples of graded milks were taken during the year, the majority of morning production.

The cowsheds and dairies and the methods of handling milk continue to improve, but I am quite at a loss to understand why so few of the producers have taken the opportunity to earn the bonus for the production of Accredited Milk. In most cases the capital expenditure would not be heavy and the additional revenue would show an excellent return on the outlay.

PUBLIC HEALTH MEAT REGULATIONS, 1924. Carcases Inspected and Condemned.

	Cattle excluding Cows.	Cows.	Calves.	Sheep and Lambs.	Pigs.
No. killed (if known)	700	40	10	500	13,000
No. inspected.	250	20	2	200	600
ALL DISEASES, EXCEPT TUBERCULOSIS.					
Whole Carcases Condemned.	-	-	-	-	2
Carcases of which some part or organ was Condemned.	9	-	-	-	30
Percentage of the No. in- spected affected with disease other than tuberculosis.	3.6%	-	-	-	5.3%
TUBERCULOSIS ONLY.					
Whole Carcases Condemned.	1	-	-	-	7
Carcase of which some part or organ was condemned.	3	-	-	-	29
Percentage of the No. in- spected affected with Tuberculosis	1.6%	-	-	-	6%

It will be observed from this table that of all the animals slaughtered for human consumption in your District the percentage inspected is 36.5% for cattle and sheep and 4.6% for pigs. This, of course, cannot be regarded as satisfactory but with a very limited staff qualified to do this work it is all that can be inspected. There is more than enough work for one full time Meat Inspector in the District.

HOP-PICKERS' ENCAMPMENTS. Satisfactory conditions were maintained in the camps in your District although the number of inspections made were considerably reduced owing to pressure of Emergency duties. There are still 3 camps at which further improvement of the water supply is necessary.

SEWERAGE AND SEWAGE DISPOSAL. There were no extensions of Sewers during the year. One house at Sutton Valence and one at Lenham were connected to the Sewer.

NEW BUILDINGS. 92 plans of new buildings, alterations, additions, etc. were considered during the year. Of these 75 were approved, 4 were approved subject to certain conditions under the Planning Scheme, and 13 were disapproved. Of the 13 disapproved 2 were on account of non-compliance with Building Byelaws and 11 contravened your Planning Scheme. Five were approved after amendment and re-submission.

WATER SUPPLY. Eighty-four samples of water were taken during the year, the following table shows the results obtained.

Source.	Good Waters.	Contaminated Waters.
Main Water.	53	9
Rainwater tanks.	1	5
Wells.	0	10
Springs.	2	4
Hop-pickers' Encampments.	0	0

SUMMARY OF INSPECTIONS - General.

Water Supply	...	...	...	...	...	...	109.
Drainage	...	...	...	...	...	...	55.
Tents, etc.	...	...	...	...	...	...	12.
Bakehouses	...	...	...	...	...	...	7.
Refuse Collection	...	...	...	...	...	...	8.
Refuse Disposal	...	...	...	...	...	...	0.
Rats and Mice	...	...	...	...	...	...	0.
Shops	...	...	...	...	...	...	1.
Miscellaneous	...	...	...	...	...	...	127.
Building Notices	...	...	...	...	...	...	211.
Petroleum Stores	...	...	...	...	...	...	24.
Sewerage	...	...	...	...	...	...	26.
Smoke Tests	...	...	...	...	...	...	1.

HOUSING.

Public Health	Inspections	...	...	...	...	319.
Housing	Inspections	...	...	...	...	82.
	Visits	...	...	...	...	213.
Overcrowding	Inspections	...	...	...	...	98.
	Visits	...	...	...	...	71.
Verminous	Inspections	...	...	...	...	4.
	Visits	...	...	...	...	1.
Miscellaneous	...	...	...	...	...	136.

INFECTIOUS DISEASE NOTIFICATIONS.

5.

[illegible]

FOOD.

Slaughterhouses	...	...	...	...	...	...	...	187.
Other premises	...	...	...	...	...	...	...	11.
Butchers	...	...	...	...	...	...	...	23.
Cowsheds	...	...	...	...	...	...	...	296.
Dairies	...	...	...	...	...	...	...	152.
Ice Cream Premises	..	...	...	...	...	...	...	0.
Hop Encampments	47.

SAMPLES.

Milk - Bacteriological	50.
Miscellaneous	1.
Water	84.

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GENERAL STATISTICS

DRAINAGE AND SANITARY ARRANGEMENTS.

Houses provided with drains or drains reconstructed	24.
House drains cleansed or repaired	39.
Houses provided with new w.c.'s	15.
New stoneware sinks with trapped wastes provided	13.
Sinks provided with trapped wastes	12.
New stoneware gullies provided	10.
Sink gullies repaired	8.
New inspection chambers provided	-
New cesspools constructed and ventilated	19.
New earth closets constructed	11.
New privies constructed	-
Privy pits reconstructed and ventilated	-
Cesspools and privy pits emptied and cleansed	43.
Privies abolished	28.
Water closets repaired	16.
Pail closets repaired	7.
Pail closets constructed	20.
New baths provided	-
Dampness remedied	39.
Roofs and gutters repaired	47.
Floors and ceilings repaired	71.
Refuse removed on Complaint	14.
Yards paved or repaired	16.
Windows or doors repaired or renewed	151.
Smoky flues remedied	1.
Staircases repaired	12.
Defective grates and ranges repaired or renewed	60.
Defective coppers repaired or renewed	18.
Walls repaired	55.
Air gratings provided	5.

WATER SUPPLIES.

Total No. of houses in district supplied with main water	3,183
Houses connected to mains during 1939	67
Wells examined	12
Wells repaired	0
New rainwater tanks with filters constructed	2

Rainwater tanks examined	...	...	...	6
Rainwater tanks repaired and cleansed	...	...	...	4
Water samples taken	...	...	...	84

COWSHEDS AND DAIRIES.

Premises cleansed and limewashed	...	...	...	124
Premises repaired or re-constructed	...	...	...	14

BAKEHOUSES

Premises cleansed and lime-washed	6
-----------------------------------	----	-----	-----	---

SLAUGHTERHOUSES

Premises cleansed and lime-washed	13
-----------------------------------	----	-----	-----	----

KEEPING OF ANIMALS:

Animals so kept as to cause a nuisance	...	...	...	0
Pig-stye nuisances abated	...	...	...	0.

INFECTIOUS DISEASE AND DISINFECTION

No. of notifications	...	...	...	54.
Medical certificates received	...	...	...	54.
Visits made to infected houses	...	...	...	31.
Rooms disinfected and cleansed	...	...	...	59.
Patients removed to isolation hospital	...	...	...	30.

CHAS. W. PAGE,

SANITARY INSPECTOR.

C. 3. (iv) No action was taken during 1939 under the provisions of the Shops Act, 1934, relating to temperature and ventilation of shops and to sanitary conveniences. Below is a tabular statement showing the inspections made of Factories, Workshops and Workplaces, showing the defects found, the action taken and the result.

1. INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.
Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspect- ions.	written Notices	Occupiers Prosecuted.
(1)	(2)	(3)	(4)
Factories with mechanical			
... power	15	-	-
Factories without mechanical			
... power	42	-	-
Other premises under the Act (including works of building and engineering construction but not including outworkers' premises	93	-	-
Electrical Stations should be reckoned as factories			
Total	150	-	-

2. DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

Particulars.	Number of Defects.			No. of defects in respect of which Prosecutions were instituted.
	Found.	Remedied.	Referred to H.M. Inspector.	
(1)	(2)	(3)	(4)	(5)
Want of Cleanliness (S.1)	4	4	-	-
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 (not including offences relating to Home work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories & Workshops, Transfer of Powers), Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937)	3	3	-	-
TOTAL	7	7	-	-

C.3 (v) CAMPING SITES.

(i) There is one regular camping site in the area which is used throughout the season and caters for summer campers and members of the camping clubs. In other places there are occasional campers but these are not on regularly used camping sites.

(ii) One licence for a camping site has been issued by the Local Authority, under Section 269 of the Public Health Act, 1936.

(iii) The estimated number of campers resident in the area at any one time during the summer season, 1939, was 12. This is of course, campers as such and does not include imported labour for hop-picking.

C.3 (vi) SMOKE ABATEMENT. No action has been necessary during 1939.

C.3 (vii) SWIMMING BATHS AND POOLS. There are no public swimming baths, or privately owned swimming baths or pools, which are open to the public, in the district. At Sutton Valence School, there is now an open air-swimming bath, for which plant for the filtration and purification of the water has been installed and the results obtained are satisfactory.

HOUSING.

No houses were built by the local authority during the year. New houses built by private enterprise totalled 54.

The information regarding housing in the Rural District is set out in the form in which it is asked for by the Ministry of Health. Other details in connection with housing will be found in the report furnished by the Sanitary Inspector.

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)	348.
(b) Number of inspections made for the purpose	440.
(2) (a) Number of dwelling-houses (included under Sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	115.
(b) Number of inspections made for the purpose	213.
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	5.
(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	115.

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	44.
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3. Action under Statutory Powers during the year:-

(a) Proceedings under Sections 9, 10 and 16 of the Housing Acts, 1936 -	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	2.
(2) Number of dwelling-houses which were rendered fit after service of formal notices:-	
(a) By Owners	-
(b) By Local Authority in default of Owners	-
(b) Proceedings under the Public Health Acts:-	
(1) Number of dwelling-houses in respect of which Notices were served requiring defects to be remedied	-
(2) Number of dwelling-houses in which defects were remedied after service of formal notices:-	
(a) By owners	-
(b) By Local Authority in default of Owners	-
(c) Proceedings under Section 11 and 13 of the Housing Act, 1936:-	
(1) Number of dwelling-houses in respect of which Demolition Orders were made	4
(2) Numbers of dwelling-houses demolished in pursuance of Demolition Orders	-

(d) Proceedings under Section 12 of the Housing Act, 1936:-

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	...	...	...	-
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	...	...	...	-

4. Housing Act, 1936, Part IV. Overcrowding:-

(a) (i) Number of dwellings overcrowded at the end of the year	48
(ii) Number of families dwelling therein	48
(iii) Number of persons dwelling therein	267
(b) Number of new cases of overcrowding reported during the year	3
(c) (i) Number of cases of overcrowding relieved during the year	17
(ii) Number of persons concerned in such cases	91½
(d) Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	-

SECTION E.

Inspection and Supervision of Food.

Milk Supply. 296 inspections of cowsheds and 152 inspections of dairies have been made. Samples of milk for examination under the Special Designations Order are taken by your Officers for the County Council and examined at the County Laboratory.

Meat and Other Foods. Inspections have been made as far as is possible with the small staff available and details of the amount of meat found to be unfit on account of (a) tuberculosis and (b) other diseases are found in the report of the Sanitary Inspector.

Chemical and Bacteriological examination of Food. This is carried out at the Laboratories of the Kent County Council.

SECTION F.

The arrangements for the hospital treatment of cases of infectious disease have remained as described in previous reports, except that when in the later months of 1939, all four districts were visited by an outbreak of acute anterior polio-myelitis, I arranged that the Maidstone Borough Hospital should take all cases of this disease, from all three areas; that diphtheria cases should be admitted to the Maidstone Rural District Council's hospital at Loose and patients suffering from scarlet fever should be sent to the Malling R.D.C. Hospital at East Malling. The arrangement worked satisfactorily and provided an economy in beds and nursing.

The notifications of infectious disease other than tuberculosis are shown in the Table below:-

Disease	Total Cases Notified	Cases admitted to Hospital	Total Deaths
Whooping-Cough	2	-	-
Measles	3	-	-
Scarlet Fever	12	12	-
Diphtheria	13	13	-
Enteric Fever	-	-	-
Pneumonia	4	-	11
Puerperal Pyrexia	1	1	-
Anterior Poliomyelitis	2	2	-
Total	37	28	11

F. 3. Deaths from Cancer during 1939

Under Age Groups.

Age Groups	Male	Female
0	-	-
1	-	-
5	-	-
15	-	-
25	1	-
35	-	1
45	-	1
55	2	2
65 and upwards	8	8
Total ...	11	12

TUBERCULOSES. No action was taken during the year by the Local Authority, under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under Section 172 of the Public Health Act, 1936.

Below is a Table showing the new cases of Tuberculosis reported during the year and the mortality from this disease:-

NEW CASES AND MORTALITY DURING THE YEAR, 1939

Age Periods	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-
5	-	-	2	-	-	-	-	-
15	-	3	2	-	1	-	-	-
25	-	-	-	-	-	1	-	-
35	1	-	-	-	1	1	-	-
45	3	-	-	-	1	-	-	-
55	1	1	-	-	2	-	-	-
65 and upwards	1	1	-	-	1	1	-	-
Total	6	5	4	-	6	3	-	-

BIRTH RATE, DEATH RATE and ANALYSIS of MORTALITY for 1939

	Rate per 1,000 of Population	Annual Death Rate per 1,000 Population										Rate per each 1,000 Live Births	Total Deaths under 1 year
		Live Births	Still Births	All Causes	Typhoid and Paratyphoid Fevers	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Diarrhoea and Enteritis under 2 years	
England and Wales	15.0	0.59	21.1	0.00	-	-	0.01	0.01	0.03	0.05	0.21	4.6	50
126 County Boroughs and Great Towns including London	14.8	0.59	12.0	0.00	-	-	0.01	0.00	0.03	0.05	0.19	6.3	53
148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	15.6	0.57	11.2	0.00	-	-	0.01	0.00	0.02	0.04	0.20	3.0	40
London	12.3	0.44	11.9	0.00	-	-	0.00	0.00	0.03	0.02	0.18	8.2	48
Hillingbourn R.D.	13.8	0.4	12.7	-	-	-	-	-	-	-	0.06	-	50

The maternal mortality rates are as follows:-

	Per 1,000 Live Births	England and Wales	Hillingbourn R.D.	Puerperal Sepsis	Others	Total
Per, 100 Total Births	England and Wales	0.74	2.08	2.16	2.93	2.82
	Hillingbourn R.D.	-	-	-	-	-

Hollingbourn Rural District.

Causes of Death						M	F
	All Causes	...	...	...	...	113	76
1	Typhoid and Paratyphoid Fever	...	...	...	...	-	-
2	Measles	...	...	...	...	-	-
3	Scarlet Fever	...	...	...	...	-	-
4	Whooping Cough	...	...	...	...	-	-
5	Diphtheria	...	...	...	...	-	-
6	Influenza	...	...	...	...	-	1
7	Encephalitis Lethargica	...	...	...	...	-	-
8	Cerebro-spinal Fever	...	...	...	...	-	-
9	Tuberculosis of Respiratory System	...	...	...	...	5	4
10	Other Tuberculosis	...	...	...	...	-	-
11	Syphilis	...	...	...	...	1	-
12	General Paralysis of Insane, Tabes, etc.	...	...	...	...	-	-
13	Cancer	...	...	...	...	11	12
14	Diabetes	...	...	...	...	3	1
15	Cerebral Haemorrhage, etc.	...	...	...	...	3	2
16	Heart Disease	...	...	...	...	33	24
17	Aneurysm	...	...	...	...	-	-
18	Other Circulatory Diseases	...	...	...	...	10	7
19	Bronchitis	...	...	...	...	3	1
20	Pneumonia (all forms)	...	...	...	...	6	5
21	Other Respiratory Diseases	...	...	...	...	1	-
22	Peptic Ulcer	...	...	...	...	2	-
23	Diarrhoea	...	...	...	...	-	1
24	Appendicitis	...	...	...	...	-	-
25	Cirrhosis of Liver	...	...	...	...	-	-
26	Other Liver Diseases	...	...	...	...	1	1
27	Other Digestive Diseases	...	...	...	...	2	1
28	Acute and Chronic Nephritis	...	...	...	...	4	2
29	Puerperal Sepsis	...	...	...	...	-	-
30	Other Puerperal Diseases	...	...	...	...	-	-
31	Congenital Debility, Premature Birth etc.	...	...	...	...	6	-
32	Senility	...	...	...	...	3	1
33	Suicide	...	...	...	...	3	-
34	Other Violence	...	...	...	...	1	4
35	Other Defined Diseases	...	...	...	...	14	8
36	Ill Defined or not known	...	...	...	...	1	1
Special Causes (included in No. 35 above)							
	Smallpox	...	...	...	...	-	-
	Poliomyelitis	...	...	...	...	-	-
	Polioencephalitis	...	...	...	...	-	-

INFANTILE MORTALITY, 1939.

Cause of Death	Under 1 week	1 - 2 weeks	2 - 3 weeks	3 - 4 weeks	Total under 4 weeks	4 weeks and under 3 months	3 - 6 months	6 - 9 months	9 - 12 months	Total Deaths under 1 year
All Causes	5	1	-	-	6	1	1	2	-	10
Measles	-	-	-	-	-	-	-	-	-	-
Whooping Cough	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-
Tuberculosis Meningitis	-	-	-	-	-	-	-	-	-	-
Meningitis (Non-Tubercular)	-	-	-	-	-	-	-	-	-	-
Convulsions	-	-	-	-	-	-	-	-	-	-
Bronchitis	-	-	-	-	-	-	-	2	-	-
Pneumonia	1	-	-	-	1	-	1	-	-	-
Diarrhoeal Diseases	-	-	-	-	-	-	-	-	-	-
Syphilis.	-	-	-	-	-	-	-	-	-	-
Rickets	-	-	-	-	-	-	-	-	-	-
Injury at Birth	-	-	-	-	-	-	-	-	-	-
Congenital Malformations	-	-	-	-	-	-	-	-	-	-
Premature Birth	3	-	-	-	3	-	-	-	-	-
Atrophy, Debility and Marasmus	-	-	-	-	-	-	-	-	-	-
Other Causes	1	1	-	-	2	1	-	-	-	-

Nett Live Births in the year (Legitimate ... 181
 (Illegitimate ... 5

Nett Deaths in the year .. (Legitimate ... 10
 (Illegitimate ... -

The above deaths occurred in the following Parishes:-

Thurnham 1	Lenham 1	Headcorn 2	Harrietsham 1	Ulcombe 1
	Bredhurst 1	Langley 1	Hollingbourn 1	

INFECTIOUS DISEASES NOTIFIED DURING THE YEAR AS APPORTIONED TO THE DIFFERENT PARISHES.

Disease	Leeds	Hollingbourn	Bredhurst	Chart Sutton	Langley	Thurnham	Detling	Headcorn	Boxley	Lenham	Harrietsham	Boughton Malherbe	Stockbury	Sutton Valence	Ulcombe	Totals
Scarlet Fever	...	4	-	-	-	-	2	-	2	1	2	-	-	-	1	12
Diphtheria	...	-	-	1	-	-	8	2	1	-	-	-	-	1	-	13
Pneumonia	...	1	-	-	-	-	-	-	-	1	1	-	-	1	-	4
Puerperal Pyrexia	...	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
Pulmonary Tuberculosis	...	-	-	1	-	2	-	1	3	1	-	-	-	2	1	11
Non-Pulmonary Tuberculosis	...	1	-	-	-	1	-	-	1	1	-	-	-	-	-	4
Enteric Fever	...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anterior Poliomyelitis	...	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
Totals	...	6	-	4	-	3	10	3	7	5	3	-	-	4	2	47

CHEMICAL EXAMINATION OF WATER.

Sample of Newnham Water taken at Pumping Station:-

						Parts per 100,000
Ammonia, Free	...	...	...	...	...	0.0024
Ammonia Albuminoid	...	...	...	...	...	0.0007
Oxygen absorbed at 27°C - in 15 minutes	...	...	...	...	...	0.0015
" " " - in 4 hours	...	...	...	...	...	0.004
Total Solid Residue	...	...	...	...	...	20.1
Chlorine	...	...	...	...	...	1.85
Nitrogen as Nitrates	...	...	...	...	...	0.46
Nitrogen as Nitrites	...	...	...	...	...	None
Temporary Hardness in Degrees	...	...	...	...	...	8.54
Permanent Hardness in Degrees	...	...	...	...	...	1.68
Total Hardness	...	...	...	...	...	10.22
Sample of Thurnham Water taken at Pumping Station:-						
						Parts per 100,000
Ammonia, Free	...	...	...	...	...	0.0007
Ammonia Albuminoid	...	...	...	...	...	0.0029
Oxygen absorbed at 27°C - in 15 minutes	...	...	...	...	...	0.006
" " " - in 4 hours	...	...	...	...	...	0.015
Total Solid Residue	...	...	...	...	...	22.5
Chlorine	...	...	...	...	...	1.80
Nitrogen as Nitrates	...	...	...	...	...	0.42
Nitrogen as Nitrites	...	...	...	...	...	None
Temporary Hardness in Degrees	...	...	...	...	...	6.65
Permanent Hardness in Degrees	...	...	...	...	...	4.34
Total Hardness	...	...	...	...	...	10.99
Sample of Charing Water taken at Pumping Station:-						
						Parts per 100,000
Ammonia, Free	...	...	...	...	...	0.0005
Ammonia Albuminoid	...	...	...	...	...	0.0017
Oxygen absorbed at 27°C - in 15 minutes	...	...	...	...	...	0.004
" " " - in 4 hours	...	...	...	...	...	0.009
Total Solid Residue	...	...	...	...	...	22.6
Chlorine	...	...	...	...	...	2.00
Nitrogen as Nitrates	...	...	...	...	...	0.98
Nitrogen as Nitrites	...	...	...	...	...	None
Temporary Hardness in Degrees	...	...	...	...	...	6.02
Permanent Hardness in Degrees	...	...	...	...	...	4.27
Total Hardness	...	...	...	...	...	10.29

BACTERIOLOGICAL EXAMINATIONS OF WATER.

Mid-Kent Thurnham Supply.
(Taken by Mid-Kent Water Co.)

Date of Examination	No. of colonies per ml. developing upon Agar at 22°C.	No. of colonies per ml. developing upon Agar at 37°C.	B. Coli Streptococci B. Welchii
24.1.39	0	1	---
28.2.39	1	0	---
28.3.39	0	0	---
18.4.39	0	0	---
2.5.39	9	3	---
6.6.39	1	0	---
4.7.39	0	0	---
7.8.39	0	0	---
5.9.39	0	0	---
3.10.39	0	0	---
7.11.39	4	1	---
5.12.39	4	1	---

Mid-Kent Charing Supply.
(Taken by Mid-Kent Water Co.)

Date of Examination	No. of colonies per ml. developing upon Agar at 22°C.	No. of colonies per ml. developing upon Agar at 37°C.	B. Coli Streptococci B. Welchii
17.1.39	0	0	---
21.2.39	0	0	---
22.3.39	0	0	---
25.4.39	0	0	---
9.5.39	0	0	---
13.6.39	0	1	---
11.7.39	0	8	---
12.9.39	0	0	---
10.10.39	1	0	---
14.11.39	0	0	---
15.12.39	0	1	---

South Kent Water Co. - Headcorn Supply.
(Taken by Health Department).

Date of Examination	No. of colonies per ml. developing upon Agar at 22°C.	No. of colonies per ml. developing upon Agar at 37°C.	B. Coli Presumptive
26.1.39	2	0	---
22.2.39	0	0	---
9.3.39	6	1	---
13.4.39	19	0	---
10.5.39	6	0	---
8.6.39	16	1	---
13.7.39	1	0	---
10.8.39	3	0	---
14.9.39	25	0	---
11.10.39	75	3	---
9.11.39	20	0	---
7.12.39	10	0	---

Mid-Kent - Newnham Supply.
(Taken by Mid-Kent Water Co.)

Date of Examination	No. of colonies per ml. developing upon Agar at 22°C.	No. of colonies per ml. developing upon Agar at 37°C.	B. Coli B. Welchii Streptococci
17.1.39.	2	0	---
21.2.39.	2	0	---
22.3.39.	1	0	---
25.4.39.	0	0	---
9.5.39.	2	0	---
13.6.39.	0	0	---
11.7.39.	2	6	---
10.8.39.	0	0	---
12.9.39.	0	0	---
10.10.39.	0	0	---
14.11.39.	1	0	---
12.12.39.	1	1	---

Ulcombe Supply - Homesby Court Reservoir.
(Taken by Health Department).

Date of Examination	No. of colonies per ml. developing upon Agar at 22°C.	No. of colonies per ml. developing upon Agar at 37°C.	B. Coli Presumptive
26.1.39.	2240	2	Present in 80c.c.
22.2.39.	24	0	Absent
9.3.39.	72	1	Present in 90c.c.
11.4.39.	3800	130	Present in 50c.c.
13.4.39.	145	1	Present in 100c.c.
10.5.39.	22	0	Absent
11.5.39.	1170	75	Present in 30c.c.
8.6.39.	30	2	Absent
12.7.39.	150	7	Absent
17.7.39.	1500	4	Absent
10.8.39.	46	2	Present in 80c.c.
14.9.39.	135	20	Present in 80c.c.
11.10.39.	100	10	Present in 50c.c.
9.11.39.	120	0	Present in 70c.c.
7.12.39.	30	1	Present in 90c.c.

Rainham Water Co. - Bredhurst Supply.
(Taken by Health Department).

Date of Examination	No. of colonies per ml. developing upon Agar in 22°C.	No. of colonies per ml. developing upon Agar at 37°C.	B. Coli
5.1.39.	11.	0	Absent
9.2.39.	11	0	---
22.3.39.	26	0	Present in 100c.c.
26.4.39.	7	0	Absent
24.5.39.	6	0	Absent
21.6.39.	35	1	Present in 100c.c.
26.7.39.	0	0	Absent
23.8.39.	173.	0	Absent
25.10.39.	0	0	Absent
7.12.39.	1.	0	Absent

GENERAL SUMMARY.

Estimated Resident Population	...	...	...	...	14870
Area (Acres)	...	...	...	...	56710
Persons per Acre	...	...	...	...	0.26
Annual Birth Rate per 1,000 population	.	...	...	...	13.8
Annual Death Rate per 1,000 population	..	...	...	...	12.7
Births - Male 81 Female 105	...	...	...	...	186
Deaths - Male 113 Female 76	...	...	...	...	189
Pulmonary Tuberculosis Death Rate	.	...	...	...	.67
Other Tuberculosis Death Rate	...	...	...	...	-
Cancer Death Rate	...	...	...	...	1.54
Pneumonia (all forms) Death Rate	..	...	...	...	.73