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ANNUAL REPORT

OF THE

Medical Officer of Health

OF THE

GRIMSBY

RURAL DISTRICT COUNCIL

FOR THE YEAR 1950

BY

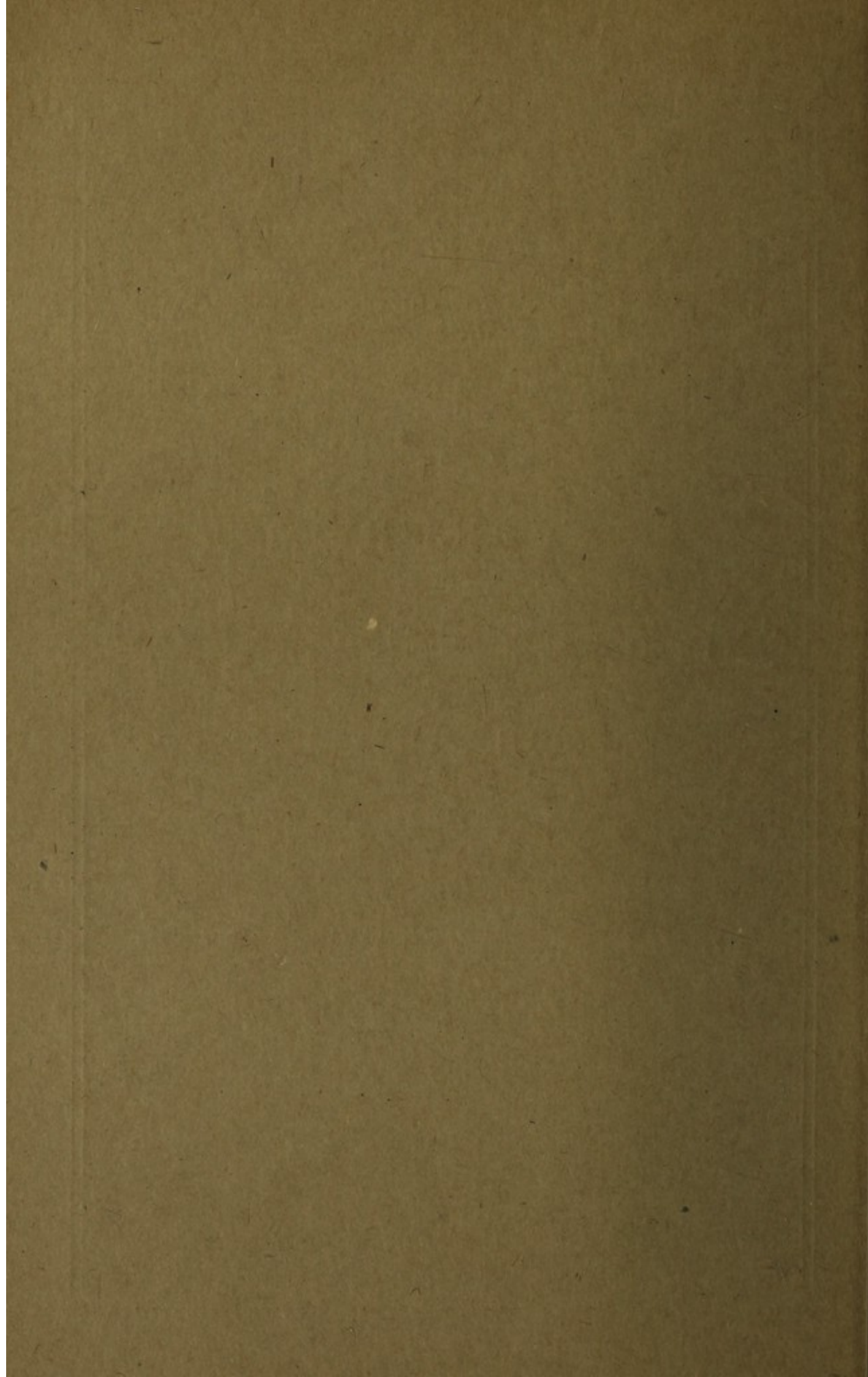
C. A. McCLEARY,

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

MEDICAL OFFICER OF HEALTH.

Grimsby :

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Grimsby Rural District Council.

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Tel. :—Grimsby 5371.

Port Sanitary Office :—IMMINGHAM DOCKS.

Tel :—Immingham 218 and 206.

CHAIRMAN OF COUNCIL :—

Ald. G. E. BACON, J.P.

CHAIRMAN OF HEALTH COMMITTEE :—

H. WRIGHT, Esq.

CLERK TO THE COUNCIL :—

P. E. HOPPS, Esq.

MEDICAL OFFICER OF HEALTH & PORT MEDICAL OFFICER :—

DR. C. A. McCLEARY.

DEPUTY PORT MEDICAL OFFICER :—

DR. S. BEDFORD.

SANITARY INSPECTOR :—

MR. C. C. WATSON.

PORT SANITARY INSPECTOR FOR THE PORT OF IMMINGHAM :—

Mr. W. A. CUNDY, C.R.S.I.

Grimsey Rural District Council

REPORT OF THE COUNCIL FOR THE YEAR 1900

1900-1901

THE GRIMSEY RURAL DISTRICT COUNCIL

OF THE COUNTY OF LINCOLN

REPORT OF THE COUNCIL

FOR THE YEAR 1900

1900-1901

BY THE COUNCIL

OF THE DISTRICT

OF GRIMSEY

IN THE COUNTY OF LINCOLN

FOR THE YEAR 1900

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FOR THE YEAR 1900

1900-1901

Grimsby Rural District Council.

REPORT OF THE MEDICAL OFFICER OF HEALTH.

TO THE CHAIRMAN AND MEMBERS OF THE
GRIMSBY RURAL DISTRICT COUNCIL.

LADIES AND GENTLEMEN,

I have the honour to submit to you my Annual Report on the Health and Sanitary Conditions of the Grimsby Rural District for the year 1950.

The Vital Statistics show that the number of births registered was 224, which is one more than in the preceding year, and gives a Birth Rate of 17.77 per 1,000 of the population compared with 18.29 for 1949. The corresponding rate for England and Wales was 15.8 and for the smaller towns 16.7.

The Death Rate was 11.66 per thousand, an increase of 1.24 on the rate for the previous year. The principal cause of death was, as in previous years, Heart Disease, which accounted for 46 deaths, *i.e.*, 31.29 per cent of the total deaths. Cancer was the cause of 25 deaths, being an increase of 8 deaths from this disease on the previous year.

Deaths of infants under the age of 1 year numbered 6, an increase of one as compared with the figure for 1949. This gives an Infant Mortality Rate of 26.78, an increase of 4.66 per 1,000 live births on the rate for 1949. The rates for England and Wales and the smaller towns were 29.8 and 29.4 respectively.

The number of cases of infectious disease notified was 147, six of which died (5 from pneumonia and 1 from influenza). In 1949, out of 140 cases notified, there were 9 deaths. Measles and Whooping Coughs accounted for 101 of the total cases of infectious disease notified during 1950.

The system of filtration tanks and land tile drainage installed to deal with the disposal of urine and slop water at a holiday camp within the District, and referred to in my previous Annual Report was not a success, and further pollution of the drain took place, mainly from slop water. This has now been effectively dealt with by the installation of concrete tanks in the camp to which all fluid waste is led by jointed pipes. The tank contents are removed as often as is required by a gully-emptier and disposed of at a neighbouring sewage disposal works.

I wish to tender my thanks to the Medical Officer of Health, Lindsey County Council and to the Sanitary Inspectors of the District for the information supplied by them for inclusion in this report. I am also very grateful to the Chairman and Members of the Health Committee for the support afforded me throughout the year.

Yours faithfully,

C. A. McCLEARY,
Medical Officer of Health.

SECTION "A."

STATISTICS & SOCIAL CONDITIONS OF THE DISTRICT

General Statistics :

Area of District	...	...	...	...	39,647 acres
Registrar General's Estimate of Home Population	...	...	...	...	12,600
Number of Inhabited Houses (end of 1950)	...	...	...	...	3,870
Rateable Value (April 1st. 1950)	...	...	...	...	£51,363
Sum represented by a 1d. rate	...	...	...	...	£204

Vital Statistics :

	Male.	Female.	Total.	Birth Rate per 1,000 of esti- mated resident population 17.77
Live Births—Legitimate	113	101	214	
Illegitimate	3	7	10	
	Male.	Female.	Total.	Rate per 1,000 Live and Still Births 21.83
Still Births—Legitimate	2	3	5	
Illegitimate	—	—	—	
Deaths	85	62	147	

Death Rate per 1,000 of the estimated resident Population 11.66

Deaths from: Pregnancy, Childbirth, Abortion (Heading 30 of The Registrar General's Short List). Nil.

INFANT MORTALITY. Deaths of Infants under 1 year—

	Male.	Female.	Total.
Legitimate	3	3	6
Illegitimate	—	—	—
All Infants per 1,000 Live Births	...	...	26.78
Legitimate Infants per 1,000 Legitimate Live Births	...	...	28.04
Illegitimate Infants per 1,000 Illegitimate Live Births	...	...	—
Deaths from Whooping Cough (all ages)	...	...	—
Deaths from Measles (all ages)	...	...	—
Deaths from Diarrhoea (under 2 years of age)	...	...	—
Deaths from Cancer (all ages)	...	...	25
	(15 M. 10 F.)		

NOTIFIABLE DISEASES Excluding TB. Notifications 1950.

Scarlet Fever	...	...	...	14
Chicken Pox	...	...	...	20
Measles	...	...	...	64
Pneumonia	...	...	...	2
Clinical Dysentery	...	...	...	1
Acute Poliomyelitis	...	...	...	4
Whooping Cough	...	...	...	37
Erysipelas	...	...	...	3
Puerperal Pyrexia	...	...	...	1
Meningococcal Infection	...	...	...	1
				147

CAUSES OF DEATH IN THE GRIMSBY RURAL DISTRICT. 1950.

	Male.	Female.	Total.
Tuberculosis, respiratory	2	1	3
Tuberculosis, other	1	1	2
Syphilitic Disease	—	—	—
Diphtheria	—	—	—
Whooping Cough	—	—	—
Meningococcal infections	—	—	—
Acute Poliomyelitis	—	—	—
Measles	—	—	—
Other infective and Parasitic Diseases ...	2	—	2
Malignant Neoplasm, Stomach	2	—	2
Malignant Neoplasm, Lung, Bronchus ...	2	1	3
Malignant Neoplasms, Breast	—	1	1
Malignant Neoplasms, Uterus	—	—	—
Other Malignant and Lymphatic Neoplasms	11	8	19
Leukaemia, Aleukaemia	—	—	—
Diabetes	—	1	1
Vascular lesions of Nervous System ...	9	15	24
Coronary Disease, Angina	13	3	16
Hypertension with Heart Disease	5	3	8
Other Heart Disease	11	11	22
Other Circulatory Disease	4	1	5
Influenza	—	1	1
Pneumonia	3	2	5
Bronchitis	4	1	5
Other diseases of Respiratory system ...	1	2	3
Ulcer of Stomach and Duodenum	—	—	—
Gastritis, Enteritis and Diarrhoea	—	—	—
Nephritis and Nephrosis	2	—	2
Hyperplasia of Prostate	1	—	1
Pregnancy, Childbirth, Abortion	—	—	—
Congenital Malformations	2	2	4
Other Defined and Ill-Defined Diseases ...	3	8	11
Motor Vehicle Accidents	3	—	3
All other Accidents	3	—	3
Suicide	1	—	1
Homicidal and Operations of War	—	—	—
Totals	85	62	147

TUBERCULOSIS. During the year, 9 new cases have been added to the Tuberculosis Register. 9 cases were written off the register as having transferred to other areas, or having been lost sight of, or died. 7 cases were written off as having recovered, leaving 50 cases on the register at the end of the year.

Notifications and Deaths during 1950.

New Cases.				Deaths.			
Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	5	1	2	2	1	1	1
9				5			

SECTION "B." General Provision of Health Services of the Area.
The Lindsey County Council, from the Clinic, St. Hugh's Avenue, Cleethorpes, provide the following Specialist and Consultant Services:

<i>Clinic.</i>	<i>Day.</i>	<i>Hour.</i>
School	Wednesday	9-30 a.m.
School Nurse attends for	Monday, Wednesday and	
Treatments	Thursday	9-30 a.m.
	Tuesday and Friday ...	2-0 p.m.
Eye	Friday (by appointment)	10-0 a.m.
Infant Welfare	Monday and Thursday	2-0 p.m.
Toddler's Clinic	Monday	9-30 a.m.
Ante Natal	Tuesday	9-30 a.m.
Special Treatment (Female)	Thursday	10-30 a.m.
Massage	Monday and Thursday	10-0 a.m.
U.V.R.	Monday and Thursday	9-30 a.m.
Dental	Daily	9-30 a.m.
Rheumatism and Heart ...	Monthly by appointment	2-0 p.m.
Tuberculosis—		

Patients attend by appointment at the Chest Clinic, Abbey Villa, Abbey Road, Grimsby.

Diphtheria Immunization Sessions held at Schools and Infant Welfare and Toddlers Clinics on the appropriate days.

Additional Clinics are held at the following places:—

Immingham—Former Air Raid Shelter, Humberville Road.

Infant Welfare 3rd Monday in the month 2-0 p.m.

Laceby, Methodist School Room.

Infant Welfare 2nd and 4th Wednesday in the month ... 10-0 a.m.

Waltham—Mission Hall, New Waltham.

Infant Welfare 2nd Wednesday in the month 2-0 p.m.

VENEREAL DISEASE.

Facilities for the diagnosis and treatment of Venereal Disease are available at the V.D. Clinic, 38, Queen Street, Grimsby.

SECTION "C."**SANITARY CIRCUMSTANCES IN THE AREA.****WATER SUPPLY.**

This is (1) by constant supply from the Grimsby, Cleethorpes and District Water Board's joint undertaking and is satisfactory in quality and quantity. Samples are taken monthly by the Water Board and the results supplied to the Medical Officer of Health. (2) from deep bore wells in other cases not on the public supply.

Wells	...	...	New Sunk	...	...	...	...	3
			Cleansed, repaired	...	...	...	...	—
			Closed as polluted	...	...	...	...	2
Public Supply	...		Area supplied—Great Coates, Healing, Immingham, Laceby, Irby, Bradley, Brigsley, Humberston, Habrough, Waltham and Barnolby	...	...	...	...
			Percentage of houses supplied	...	...	...	...	85%
			New Cisterns provided	...	...	...	...	—
			Cisterns cleansed, repaired, covered, etc.	...	...	...	...	—
			Number of Samples obtained for analysis—					
			(a) From Wells and Bores	...	...	...	...	5
			(b) From Public supply	...	...	...	...	13

DRAINS.

Drains, examined, tested, exposed, etc.	...	...	...	...	...	27
„ unstopped, repaired, trapped, etc.	...	...	...	...	...	23
Waste pipes, rain water pipes, disconnected, repaired, etc.	...	...	...	...	...	—
New soil pipes or ventilating shafts fixed	...	...	...	...	...	—
Existing soil pipes or ventilating shafts repaired	...	...	...	...	...	—
Drains reconstructed	...	...	...	...	...	2

OFFENSIVE TRADES.

Number of premises in district	...	...	...	...	...	5
Number of inspections	...	...	...	...	...	64
Contravention of bye-laws	...	...	...	...	...	3
Contraventions remedied	...	...	...	...	...	3

Offensive Trade bye-laws are in force.

SECTION "D." Housing.**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 Authorities or their Officers, 29.

Number of houses taken over by Local Authority and rendered fit for habitation —

TOTAL NUMBER OF NEW HOUSES ERECTED DURING THE YEAR.

(1) By the local Authority	...	...	...	...	...	32
(2) By other Authorities	...	...	...	...	...	—
(3) By other bodies or persons	...	...	...	...	...	9

8
NUISANCES.

Total number of nuisances during the year	...	...	...	35
(1) Abated as result of informal action by Sanitary Inspector				29
(2) Reported to Council—Statutory Notice issued			...	6
Statutory Notice not issued			...	—

DETAILS OF NUISANCES ABATED.

					After Informal Action.	After Statutory Notice.
Overcrowding	...	...	...	...	—	—
Smoke	...	...	...	...	4	2
Accumulation of Refuse			...	...	2	—
Foul Ditches, Ponds, and Stagnant Water					8	—
Foul Pigs and other Animals	...	...			4	—
Dampness	...	...	...	...	2	3
Yards repaved and repaired	...	...			3	—
Other nuisances	...	...	...	...	10	1

SECTION “E.”

INSPECTION AND SUPERVISION OF FOOD.

(a) Control of Milk Supplies :—

Number of Distributors on Register	...	...	...	...	30
No. of Producer Retailors	...	...	...	...	12
Number of Inspections	...	...	...	...	103
Contraventions remedied	...	...	...	...	2
Number of Samples taken : Satisfactory	...	...	...	...	6
Unsatisfactory	...	...	...	...	2

Ice Cream—

Number of Manufacturers	...	...	...	...	4
Number of Premises Registered for Sale	...	...	...	...	27
Number of Contraventions	...	...	...	...	2
Number of Samples taken	...	...	...	...	11

(b) MEAT AND OTHER FOODS.

Slaughterhouses—Horse Slaughtering for human food	...				1
Horses inspected	...	...	...	...	96

Bakehouses.

Number in District	...	...	...	...	...	...	5
Number of underground bakehouses				...	...	...	Nil
Number of inspections	...	...	...	...	...	...	21
Contraventions of Factory Acts	...	...	...	...	...	...	2
Defects remedied	...	...	...	...	...	...	2

Articles of Food Condemned as Unfit for Human Consumption :—

13 Horse Livers ; 28 lbs. Frozen Eggs ; 5 lbs. Margarine ;
14 lbs. Sugar ; 350 lbs. Canned Beef Extract.

SECTION "F." Prevalence of and Control over Infectious and other Diseases.**DISINFECTION AND DISINFESTATION.**

Rooms disinfected	...	...	...	...	...	...	12
(a) Ordinary Infectious Disease	...	...	...	...	...	...	11
(b) Tuberculosis	...	...	...	...	...	...	1
Premises Disinfested	...	...	...	...	...	...	2

Table showing the number of Infectious Diseases other than Tuberculosis notified in each Parish.

PARISH.	Chicken Pox.	Meningitis.	Measles.	Whooping Cough.	Pneumonia.	Erysipelas.	Scarlet Fever.	Poliomyelitis	Puerperal Pyrexia.	Dysentery (Clinical).	TOTAL.
Barnolby ...	—	—	—	—	—	—	1	—	—	—	1
Beelsby ...	1	—	1	2	—	—	—	—	—	—	4
Bradley ...	—	—	—	1	—	—	—	—	—	—	1
Brigsley ...	1	—	2	6	—	—	—	—	—	—	9
Great Coates ...	1	—	3	—	—	—	—	—	—	—	4
Hatcliffe ...	—	—	1	8	—	1	1	—	—	—	11
Healing ...	—	—	1	2	—	—	—	—	—	1	4
Humberston ...	5	—	20	3	1	1	—	—	—	—	30
Immingham ...	2	1	—	4	—	1	1	—	—	—	9
Laceby ...	—	—	10	4	1	—	4	—	—	—	19
Ravendale ...	1	—	—	—	—	—	—	—	—	—	1
Waltham ...	9	—	17	7	—	—	7	4	1	—	45
Wold Newton ...	—	—	9	—	—	—	—	—	—	—	9
Totals ...	20	1	64	37	2	3	14	4	1	1	147

NOTIFIABLE DISEASES DURING YEAR 1950 ACCORDING TO AGES.

DISEASE.	AGES.							Totals.
	Under 1 year.	1—2 years.	3—4 "	5—9 "	10—14 "	15—24 "	Over 25 "	Age Unknown.
Chicken Pox	...	6	1	10	2	1	1	20
Meningitis	...	1	10	16	2	1	1	1
Whooping Cough	...	9	4	6	4	1	1	37
Scarlet Fever	4	...	...	...	...	14
Pneumonia	...	14	18	24	5	1	1	2
Measles	2	...	...	...	...	...	...	64
Erysipelas	1	3	...	...	...	3
Poliomyelitis	1	...	4
Puerperal Pyrexia	1	...	...	...	1
Clinical Dysentery	1
Totals	2	30	34	60	14	2	4	1
	147

DIPHTHERIA IMMUNISATION

Immunisation of the child population was continued throughout the year. The Prophylactic used was Alum Precipitated Toxoid (A.P.T.) with 4 weeks interval between doses.

During the year a total of 160 children received complete initial immunisation. In age groups the numbers are as follows:—

Under 5 years, 141; 5 to 14 years, 19. In addition, 134 children received re-inforcing injections. Vaccination against Smallpox. 26 Primary Vaccinations and 9 re-vaccinations were carried out.

I am indebted to the County Medical Officer for providing this information.

SCHOOL MEDICAL SERVICE.

These services are provided by the County Council and I am indebted to the County Medical Officer for permission to include the following details of work carried out during the year in my capacity as School Medical Inspector.

A.—ROUTINE MEDICAL INSPECTION.

(Exclusive of special and supervisory examinations).

PRESCRIBED GROUPS.	Inspected	Number of Children found to require treatments (excluding uncleanliness and dental diseases)		
		Vision	Other Defects	Total individual children requiring treatment.
Entrants	216	2	59	61
Second Age Group	152	13	25	35
Third Age Group	182	6	17	23
Total (prescribed groups)	550	21	101	119

B.—DEFECTS FOUND IN THE COURSE OF MEDICAL INSPECTION.

DEFECT.	Routine Inspections.		Special Inspections.	
	Requiring Treatment	Requiring observation but not Treatment	Requiring Treatment	Requiring observation but not Treatment
SKIN	9	14	—	—
EYE.				
(a) Defective Vision (excluding Squint)	21	12	1	—
(b) Squint	3	5	—	—
(c) Other conditions	11	4	—	—
EAR.				
Defective Hearing	3	3	—	—
Otitis Media	1	2	—	—
Other Ear Diseases	1	1	—	—
NOSE AND THROAT	49	117	1	—
ENLARGED CERVICAL GLANDS	1	76	—	—
DEFECTIVE SPEECH	—	5	—	—
HEART AND CIRCULATION ...	3	21	—	—
LUNGS	14	19	—	—
DEVELOPMENTAL.				
(a) Hernia	—	2	—	—
(b) Other	3	16	—	—
ORTHOPAEDIC.				
(a) Posture	—	6	—	—
(b) Flatfeet	3	5	—	—
(c) Other	6	21	—	—
NERVOUS SYSTEM.				
Epilepsy	—	1	—	—
Other conditions	—	—	—	—
PSYCHOLOGICAL.				
(a) Development	1	2	—	1
(b) Stability	—	3	—	—
OTHER DEFECTS AND DISEASES (excluding Uncleanliness and Dental Diseases)	11	55	—	—

C.—GENERAL CONDITION.

All scholars examined were classified in 3 Groups:—A.—Good. B.—Fair. C.—Poor.

GROUP—	A.	B.	C.
Entrants	50	140	26
Second age group	49	94	9
Third age group	60	108	14
Total (prescribed groups)	159	342	49

ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH FOR 1950

PORT OF IMMINGHAM. 1950. ALSO KILLINGHOLME JETTY AND WHITE BOOTH ROADS. (River Humber).
I—AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR 1950.

TABLE A.

	Number	N.R.T.	Number by Medical Officer.	Inspected by Sanitary Inspector.	Number reported to be Defective.	Number of Vessels on which defects were remedied.	Number of Vessels on which defects were found and reported to Ministry of Transport Surveyor	Number of Vessels reported as having or having had during the voyage Infectious Disease on board.
Foreign	373 132 Nil 1	662,467 175,446 Nil 243	48 25 Nil Nil	373 132 Nil 1	66 5 Nil Nil	66 5 Nil Nil	Nil Nil Nil Nil	2 Nil Nil Nil
Total Foreign	506	838,156	73	506	71	71	Nil	2
Coastwise	498 109 Nil 54 1,384	793,308 110,365 Nil 12,891 102,244	18 9 Nil Nil Nil	498 109 Nil 54 91	33 8 Nil 6 11	33 8 Nil 6 11	Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil
Total Coastwise	2,045	1,018,808	27	752	58	58	Nil	Nil
Total Foreign & Coastwise	2,551	1,856,964	100	1,258	129	129	Nil	2

II.—CHARACTER OF TRADE OF PORT.

TABLE B.
(a) Passenger Traffic during the Year.

No. of Passengers.	1st Class.	2nd Class.	3rd Class.	Transmigrants.
Inwards	390	Nil	Nil	Nil
Outwards	272	Nil	Nil	Nil

(b) Cargo Traffic.

Principal Imports ... Iron Ore, Timber, Pit Props, Grain, Sugar, Scrap Metal, etc, Total tonnage imported 836,527 tons
 „ Exports ... Coal and Coke—1,860,838 tons. General—151,863 tons.

(c) Foreign Ports from which Vessels arrive.

Norway, Sweden, U.S.S.R., Baltic Ports, Germany, Holland, Belgium, France, Spain, Portugal, North, West and South
 African Ports, Iceland, Mediterranean Ports, Black Sea, Canada, U.S.A., South America, Australia, etc.

MEDICAL INSPECTION OF ALIENS.

Annual return by the Medical Inspector of Aliens for the year ended 31st December, 1950.

	Total	Number Inspected by the Medical Inspector.	Number Subjected to detailed Examination by the Medical Inspector	Certificates Issued.					Transmi-grants.
				Lunatic Idiot or M.D.	Undesir-able for Medical reasons.	Physically Incapa-citated.	Suffering from acute Infectious Disease.	Landing necessary for adequate medical examina-tion.	
(a) Total number of Aliens landing at the Port ...	390	216	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(b) Aliens refused permission to land by Immigration Officer, including stowaways	12	12	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(c) Transmigrants	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total Aliens arriving at the Port	402	228	Nil	Nil	Nil	Nil	Nil	Nil	Nil

MEDICAL INSPECTIONS OF ALIENS—(Continued).

Total number of vessels carrying alien passengers	...	57
Number of vessels dealt with by the Medical Inspector	...	36

III.—WATER SUPPLY.

1—Source of supply—

(a) the Port: Two deep Bores.

(b) shipping: Piped to all Quays.

2—Hydrants and Hosepipes,—What precautions are taken against contamination—

Regular inspection, flushing and washing out of hose before use. Samples of Drinking Water taken from hydrants, taps, etc., for examination.

3—Number of Water Boats and their Sanitary condition—

Two Tugs with special fresh drinking water tanks, these tanks are cleansed and limewashed every six months.

IV. PORT HEALTH REGULATIONS, 1933 and 1945.

NO CHANGE.

TABLE C.

Cases of Infectious Diseases landed from Vessels.

No. of Cases during the year.

Disease.	Passengers.	Crew.	No. of Vessels concerned.	Average No. of cases for previous 5 years.
Nil	Nil	Nil	Nil	—

TABLE D.

Cases of Infectious Sickness occurring on Vessels during the voyage but disposed of prior to arrival.

No. of Cases during the year.

Disease.	Passengers.	Crew.	No. of Vessels concerned.	Average No. of cases for previous 5 years.
Nil	Nil	Nil	Nil	—

If any case of plague, cholera, yellow fever, small pox or typhus occurred, or plague infected rats were discovered, or if any severe outbreak of malaria fever occurred, on an arriving ship during the year, a short account should be given of the steps taken.

In any case of plague, cholera, yellow fever, smallpox, typhus or severe malaria occurring, vessel concerned would be directed to designated mooring station, for special medical examination of passengers and crew, and necessary disinfection of persons, clothing, and bedding and accommodation, etc. If plague infected rats were found vessel would be boomed off and thoroughly fumigated with H.C.N. During discharge of cargo special watch would be kept for further rats. Moorings and gangways would also receive special attention.

V. MEASURES AGAINST RODENTS.

1—Steps taken for detection of rodent plague—

- (a) In ships in the Port, routine inspection of all compartments, including holds, bunkers, etc. Laboratory examination of any rats caught or found dead.
- (b) On quays, wharves, warehouses, and in the vicinity of the port. Regular inspection of all quays, wharves, warehouses, prompt disposal of all refuse, elimination of all rat harbours, examination of any rats caught or found dead.

2—Measures taken to prevent the passage of rats between ships and the shore. Standard ratguards on all moorings, gangways well lighted during hours of darkness, and hauled well above quay level, instructions to officer in charge of ship.

3—Method of deratization of (a)—Ships. Fumigation with H.C.N. Liquid or Zyklon B., also S.O.2; (b)—Premises in the vicinity of docks or quays. Fumigation if possible, pre-baiting and poisoning, trapping and cats.

4—Measures taken for the detection of rat prevalence in ships and on shore. Regular inspection by Port Health Officers, observation of rat runs, etc., damage to cargo, goods, etc. Reports from workers on spot.

5—Rat-proofing

- (a) To what extent are docks, wharves, warehouses, etc., rat-proof. Dock sheds are single storey, with concrete floors and metal fittings, brick bins are provided for all dry refuse, these bins are emptied regularly. Little rat harbourage exists. Rat-proofing carried out where found necessary.

- (b) Action taken to extend rat-proofing (1) in ships, instructions and guidance to Masters or Officers in charge, wiring of storerooms, gratings, etc., sheet metal tinning of bulkheads, beam openings, etc. Collaboration with Dock Authorities. Advice and guidance given where necessary. (2) on shore, as above.

TABLE E.
Rats destroyed during the year. Port of Immingham, 1950.

[illegible]

TABLE F.

2—In Docks, Quays, Wharves and Warehouses.

[illegible]

TABLE G.

Measures of rat destruction on Plague 'Infected' or 'Suspected' Vessels or Vessels from Plague infected Ports arriving in the Port during the year.

Total number of such vessels arriving.	Number of such vessels fumigated by S.O.2.	Number of Rats killed.	Number of such vessels fumigated by H.C.N.	Number of rats killed.	Number of such vessels on which trapping, poisoning, etc., were employed.	Number of rats killed.	Number of such vessels on which measures of rat destruction were not carried out.
1	2	3	4	5	6	7	8
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

TABLE H.

Deratization Certificates and Deratization Exemption Certificates issued during the year. Port of Immingham, 1950.
Number of Deratization Certificates issued.

N.R.T.	No. of Ships.	After Fumigation with			After Trapping, Poisoning, etc.	Total	Number of Deratization Exemption Certificates Issued	Total Certificates Issued.
		H.C.N.	S.O.2.	H.C.N. and S.O.2.				
1	2	3	4	5	6	7	8	9
Ships up to 300 tons ...	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
„ from 301 to 1,000 tons ...	11	Nil	Nil	Nil	Nil	Nil	11	11
„ from 1,001 to 3,000 tons ...	28	2	Nil	Nil	Nil	2	26	28
„ from 3,001 to 10,000 tons ...	19	2	Nil	Nil	Nil	2	17	19
„ over 10,000 tons ...	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Totals ...	58	4	Nil	Nil	Nil	4	54	58

VI. Hygiene of Crews' Spaces.

TABLE J.

Classification of Nuisances.

Nationality of Vessel.	Number inspected during the year.	Defects of original construction.	Structural defects through wear and tear.	Dirt, vermin and other conditions prejudicial to health.
British	503	Nil	33	118
Other Nations	664	Nil	60	36

VII. Food Inspection.

- 1—Action taken under the Public Health (Imported Food) Regulations, 1937, the Public Health (Imported Milk) Regulations 1926, and the Public Health (Preservatives, etc., in Food) Regulations, 1925 to 1940. *None.*
- 2—Shell-fish. Information respecting any shell-fish beds or layings within the jurisdiction of the P.S.A., stating whether they are in the opinion of the Medical Officer liable to pollution. Report of any action taken under the Public Health (Shell fish) Regulations, 1934, or the Food and Drugs Act, 1938. *None.*
- 3—Number of Samples of Food examined by—(a) Bacteriologist. Nature of Sample. Result of Examination. *None.*
 (b) Analyst. " " " *None.*

C. A. McCLEARY,

Medical Officer of Health.



VI. Distribution of *Amphipoda*

TABLE 1

Continuation of Table 1

Station	Date	Number of specimens
1	1911	10
2	1912	15
3	1913	20
4	1914	25
5	1915	30
6	1916	35
7	1917	40
8	1918	45
9	1919	50
10	1920	55

VII. Food Habits

The food habits of the amphipods were determined by examining the contents of their digestive tracts. The results are given in Table 2. The amphipods were found to feed on a variety of organic matter, including algae, detritus, and small animals.

The amphipods were found to be omnivorous, feeding on both plant and animal matter. They were found to feed on a variety of organic matter, including algae, detritus, and small animals.

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