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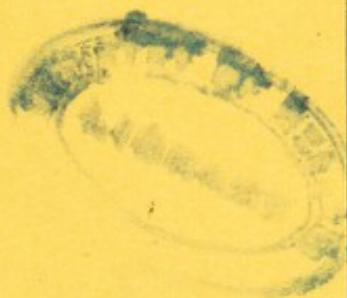
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1946

RIVER TEES PORT
HEALTH AUTHORITY

SIXTIETH
ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH.





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1946

RIVER TEES PORT
HEALTH AUTHORITY

SIXTIETH
ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH.

MIDDLESBROUGH—
PRINTED BY H. AND F. STOKELD, GRANGE ROAD.

1947.

RIVER TEES PORT HEALTH AUTHORITY.

LIST OF MEMBERS, 1946-1947.

Middlesbrough :

Alderman L. G. Allen.
 Councillor J. S. Bolton.
 Councillor J. G. Boothby.
 Councillor F. J. Longstaff.
 Councillor H. Madden.
 Councillor W. Randall.
 Councillor E. A. Dickinson.
 Councillor Edward Harford.

Redcar :

Alderman Chaplin.
 Councillor J. S. Dixon.
Alderman Spelman.

Billingham :

Councillor Mrs. J. McLean.
 Councillor W. McKenna.
 Councillor J. K. Kearney.

Stockton :

Alderman C. W. Allison.
 Councillor W. M. Worth.
 Councillor J. Sharkey.
 Councillor J. C. Hudson.

Thornaby :

Alderman E. E. Brennan (*Chairman*)
 Councillor Miss G. Holmes.

Eston :

Councillor J. A. Gavin.
 Councillor E. C. Graham.
 Councillor I. Walsh.

Stockton Rural District Council :

Councillor A. E. Ward.
 Councillor I. Geipel.

STAFF OF THE PORT HEALTH AUTHORITY,

1946.

Clerk to the Board—G. W. W. BARNLEY.

Deputy Clerk—T. A. BANKS.

Medical Officer—T. LLOYD HUGHES, M.D., D.P.H., Barrister-at-Law.

Deputy Medical Officer—C. L. ELDER, M.B., Ch.B., D.P.H.

Port Health Inspector—A. NEILSON JONES, C.R.S.I.

Assistant Port Health Inspector—G. A. RICHARDS (Appointed 15th April, 1946).

Rat Searcher—T. WARWICK.

Launch Hands—One Engineer and one Deck Hand.

RIVER TEES PORT HEALTH AUTHORITY.

MUNICIPAL BUILDINGS,
MIDDLESBROUGH.

FEBRUARY, 1947.

To THE CHAIRMAN AND MEMBERS OF THE
RIVER TEES PORT HEALTH AUTHORITY.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting the sixtieth Annual Report on the work of the River Tees Port Health Authority for the year ended 31st December, 1946. The Report is presented in more detail than was possible during the war years and full information is given as to the scope of the work of the Authority.

It will be seen that close supervision has been maintained during the year so as to safeguard against any possible introduction of seaborne infectious diseases and also to ascertain the sanitary condition of vessels entering the Port and the purity of imported foodstuffs.

The Chief Port Health Inspector continued to carry out single-handed his routine inspections in the early part of the year but an Assistant Inspector was eventually appointed and commenced duties on the 15th April, 1946. It will be seen from the figures in the body of the Report that the number of vessels entering the Port increased by 50%.

The Launch "Mercie" which had been in use by the Authority since 1914 was permanently laid up during the year and it was finally decided that it should be replaced and steps have been taken to order a new Launch.

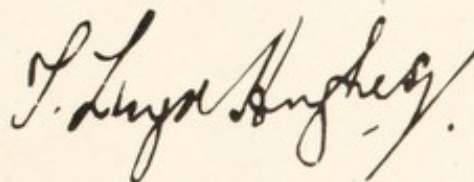
Improved office accommodation was found for the Chief Port Health Inspector and his Assistants at 12, Dunning Street.

Our relations with the Port Authorities continued to be cordial and I wish to record my grateful thanks to the Chief Preventive Officer of Customs and his staff, the Harbour Master and his staff, the Chief Immigration Officer and his staff and the Pilot Master and Pilots for their ready assistance at all times.

My thanks are also due to the Chairman and Members of the Port Health Authority for their interest and support during the year and to the staff for their conscientious and loyal service.

I have the honour to be,

Your obedient servant,



Medical Officer of Health.

TABLE A.

I. AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR.

		Number	Tonnage	No. INSPECTED		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 Surveyors	Number of Vessels reported as having, or having had, during the voyage infectious disease on board
				By the Medical Officer of Health.	By the Port Health Inspector				
FOREIGN	Steamers ...	616	1,233,003	210	616	100	100	—	11
	*Motor ...	393	2,94705	78	391	7	7	—	3
	Sailing ...	—	—	—	—	—	—	—	—
	Fishing ...	—	—	—	—	—	—	—	—
TOTAL FOREIGN...		1,009	1,527,708	288	1007	107	107	—	14
COASTWISE	Steamers	426	256,459	42	414	6	6	—	1
	*Motor	585	167,810	26	574	3	2	—	—
	Sailing ...	—	—	—	—	—	—	—	—
	Fishing	8	824	—	8	—	—	—	—
TOTAL COASTWISE		1,019	425,093	68	996	9	8	—	1
TOTAL FOREIGN AND COASTWISE ...		2,028	1,952,801	356	2,003	116	115	—	15

* Includes mechanically propelled vessels other than steamers.

II. CHARACTER OF TRADE OF PORT.

TABLE B.

(A).—PASSENGER TRAFFIC DURING THE YEAR.

No. of Passengers	Cabin class only	Transmigrants
INWARDS—		
British	229	Nil
Aliens	56	Nil
OUTWARDS—		
British	373	Nil
Aliens	100	Nil

Does not include ships personnel arriving and departing, nor does it include passengers arriving and leaving with the same vessel.

The River Tees is not an accredited Aliens Port, but Aliens are examined from time to time by the Port Medical Officer for the Immigration Authorities. The passenger traffic is chiefly to and from Eastern North Sea Ports. During the year there have also been a number of passengers arriving from North African Ports. 35 Alien and 93 British passengers were medically examined.

(B).—CARGO TRAFFIC.

IMPORTS INTO THE RIVER TEES FOR THE YEAR ENDED 31st OCTOBER, 1946.

(Figures supplied by the courtesy of the General
Manager of the Tees Conservancy Commission).

ORES :					<i>Tons</i>
Iron	...	...	...	...	1,708,842
Manganese	...	...	...	...	153,820
Chrome	...	...	...	...	448
IRON AND STEEL :					
Billets	...	...	...	...	1,997
Manufactured	...	...	...	...	926
Machinery	...	...	...	...	1,029
Scrap	...	...	...	...	104,276
Loam	...	...	...	...	11,140
Manures (Chemical)	...	...	...	...	24,293
OILS :					
Creosote Oil	...	...	...	...	26,583
Fuel Oil, etc.	...	...	...	...	41,372
Corn	...	...	...	...	40,154
Provisions	...	...	...	...	596
Sugar, etc.	...	...	...	...	4,060
Spelter	...	...	...	...	160
Wood	...	...	...	...	5,109
Bricks	...	...	...	...	7,311
Chemicals (other than Chemical Manures)...					548

					<i>Tons</i>
Bags	...	...	...	...	383
Phosphate Rock	...	...	...	...	62,528
Sulphur	...	...	...	...	1,039
Sundry Goods	...	...	...	...	15,357
Paper	...	...	...	...	439
TOTAL IMPORTS	...	...	...	...	2,212,410 <i>Tons</i>
LAST YEAR	...	...	...	...	1,597,835 <i>Tons</i>
Increase	...	...	...	...	614,575 <i>Tons</i>

EXPORTS FROM THE RIVER TEES FOR THE YEAR ENDED 31st OCTOBER, 1946
 (Figures supplied by courtesy of the General
 Manager of the Tees Conservancy Commission).

IRON AND STEEL :					<i>Tons</i>
Pig Iron	...	...	...	...	34,504
Rails and Fishplates	...	...	...	...	62,404
Castings	...	...	...	...	31,810
Angles, Bars and Plates	...	...	...	...	162,004
Joists, etc.	...	...	...	...	17,007
Scrap	...	...	...	...	1,404
Galvanized Sheets	...	...	...	...	3,501
Machinery	...	...	...	...	18,074
Wire (of all descriptions)	...	...	...	...	5,937
Manufactured (of all kinds other than the above)	...	...	...	...	51,503
Bunker Coal	...	...	...	...	44,621
Cargo Coal	...	...	...	...	10,231
Coke	...	...	...	...	16,426
Basic Slag (Ground)	...	...	...	...	7,901
Salt	...	...	...	...	4,548
Sulphate of Ammonia, etc.	...	...	...	...	302,820
Chemical and Chemical Products (other than Sulphate of Ammonia)	...	...	...	...	59,209
Pitch and Tar	...	...	...	...	57,747
Cement	...	...	...	...	1,301
Creosote Oil	...	...	...	...	600
Benzole	...	...	...	...	16,281
Petrol	...	...	...	...	64
Paper	...	...	...	...	116
Paint, etc.	...	...	...	...	1,426
Corn	...	...	...	...	1,915
Slag Rough	...	...	...	...	35,923
Slag Wool	...	...	...	...	1,689
Glass and Earthenware	...	...	...	...	45
Sundry Goods	...	...	...	...	129,035
TOTAL EXPORTS	...	...	...	...	1,080,046 <i>Tons</i>
LAST YEAR	...	...	...	...	766,524 <i>Tons</i>
Increase	...	...	...	...	313,522 <i>Tons</i>

COUNTRIES FROM WHICH VESSELS ARRIVE.

Iron and other ores are imported from Sweden, Norway, Spain, North and West African Ports, Brazil, India and Canada.
 Corn and Cereals are transhipped from Hull and Newcastle.
 Timber from Baltic Ports.
 Potash from North Africa.
 Groceries and provisions arrive from London and sugar from Kings Lynn and Boston.
 Fruit and Vegetables from Holland.

(III). SOURCE OF WATER SUPPLY.

- (A). FOR THE PORT.—The water is drawn from the Middlesbrough supply, which is maintained by the Tees Valley Water Board. This water is kept under constant supervision and is abundant and of good quality.
- (b) FOR SHIPPING.—Vessels draw their water supply from hydrants on the wharves, the town supply serving these hydrants. Very exceptionally ships laid up at the buoys in the river or not going to a wharf are supplied by tanks on two of the river tug boats, having a capacity of 60 and 45 tons respectively. These tanks are cleaned out before being used. There is also a small tank on a sand barge which is used occasionally. This tank is kept under close observation and is cleaned out prior to use.

(IV). PORT HEALTH REGULATIONS.

ARRANGEMENTS FOR DEALING WITH DECLARATIONS OF HEALTH.

1. These are collected each morning from the Customs House.
 2. The declarations are handed to the Customs Officer or Inspector of the Port Health Authority whoever is first to board the ship. The number of Declarations of Health received during 1946 was 507. No night service of inspection is maintained, except in the case of vessels signalling their need for special attention or having infectious disease on board. Messages by wireless are received from the Cullercoats receiving station and are generally delivered direct to the Port Medical Officer.
 3. The Shipping Agents have agreed to the prompt transmission to the Medical Officer of any messages received by them under the Regulations. Messages are also received by morse signalling from the Tees bay to the lightkeepers on the break-water and are telephoned to the Medical Officer. The appropriate flag and light signals are being observed. The Customs Officers and Pilots co-operate readily in notifying the Medical Officer of any suspicious illness on board vessels entering the Port.
- 3A. BOARDING OF VESSELS. All vessels reporting sickness on board are boarded by the Medical Officer and Inspector ; other vessels are boarded as soon as practicable.

4. **MOORING STATIONS.** There is a mooring station outside the docks situated in the river at the Eston No. 4 buoys. This station is for vessels infected or suspected on account of :—Plague, Cholera, Yellow Fever, Typhus or Smallpox.

4A. Ships entering the port with a case of infectious disease other than the above are allowed to proceed to their place of mooring, but are quarantined until visited and declared clear.

5. Particulars of any standing exemption from the provisions of Article 14.

Arrangements have been made with H.M. Customs Boarding Officers to telephone the Port Medical Officer immediately in any case where an answer to the question in the Declaration of Health is given in the affirmative and the vessel is held in quarantine until visited by the Port Medical Officer.

6. The provisions of Article 16 of the principal Regulations have been carried out without difficulty during the year.

7. **ARRANGEMENTS FOR WAITING ROOMS FOR MEDICAL EXAMINATION, CLEANSING AND DISINFECTION OF SHIPS, PERSONS AND CLOTHING :—**

- (a) There is no accommodation for waiting rooms. Disinfection of ships for the prevention of infectious disease is carried out by the Port Health Staff.
- (b) Bedding and clothing are either burnt or removed to West Lane Isolation Hospital for disinfection.
- (c) Members of the crew are also removed to this Hospital and are accommodated in a building reserved for this purpose whilst they are bathed and their clothes disinfected.
- (d) Accommodation is reserved at West Lane Isolation Hospital for any infectious disease case admitted from the Port.
- (e) Ambulances are available for the removal of such cases.
- (f) All contacts are kept under daily supervision and the Medical Officer of the next port of call is intimated. The names and addresses given by persons allowed to leave under Article 16 are forwarded to the Medical Officer of Health of such districts.

8. & 9. **ARRANGEMENTS FOR BACTERIOLOGICAL EXAMINATION OF RATS FOR PLAGUE.**

Specimens of rats caught on ships and wharves are sent to the Emergency Public Health Laboratory, which reports on post mortem and cultural examinations. All rats destroyed are examined by the Rat Searcher for evidence of disease. Pathological Specimens are examined locally or sent to the Laboratory.

10. ARRANGEMENTS FOR THE DIAGNOSIS AND TREATMENT OF VENEREAL DISEASE.

The Special Treatment Centre is at the General Hospital and all seamen found to be suffering from these diseases are directed to attend for treatment.

Notices printed in various languages giving full particulars of the services of the Clinic are left on board the vessel.

Special notices have been sent to all Consuls, Vice-Consuls, Shipping Agents and the Missions to Seamen drawing their attention to the facilities available to seamen for the treatment of these diseases. The attendance at the Clinic continues to show a considerable increase over the years immediately preceding the war. The following gives the nationality of those treated during the past year :—

Number of Seamen treated at the Special Treatment Centre during 1946.

Nation.				No. of cases treated.	
British Empire—	Britain	...	...	...	98
	Australia	...	...	...	2
	Canada	...	...	...	2
	Eire	...	...	...	3
	Falkland Islands	...	...	...	1
	Indian Subjects (includes Anglo-Indian)	...	...	...	17
	Malta	...	...	...	3
	Newfoundland	...	...	...	1
	New Zealand	...	...	...	2
	South Africa	...	...	...	2
	West Africa	...	...	...	2
	West Indies	...	...	...	2
Foreign—	Arabia	...	...	...	2
	Brazil	...	...	...	1
	China	...	...	...	2
	Denmark	...	...	...	20
	Estonia	...	...	...	3
	Finland	...	...	...	4
	Greece	...	...	...	22
	Holland	...	...	...	8
	Lithuania	...	...	...	1
	Latvia	...	...	...	2
	Madagascar	...	...	...	2
	Norway	...	...	...	8
	Poland	...	...	...	12
	Spain	...	...	...	1
	Sweden	...	...	...	70
Total number of seamen who attended					293
British				...	98
British Empire				...	37
Foreign				...	158

11. Arrangements for the interment of the dead. There is a mortuary at the riverside. Arrangements for burial are carried out by the Ship's Agents.

PARROTS (Prohibition of Imports) REGULATIONS.

There were three instances of parrots found on board vessels and in every case written undertakings were given that the birds would either be destroyed or not landed.

TABLE C.

CASES OF INFECTIOUS SICKNESS LANDED FROM VESSELS.

Disease	Number of Cases during 1946		No. of Vessels concerned	Average for previous five Years
	Passenger	Crew		
Chicken-pox	1	-	1	1.4
Measles	-	-	-	.4
Influenza	-	2	2	1
Diphtheria	-	-	-	.2
Dysentery	-	1	1	.4
German Measles	-	-	-	Nil
Malaria Fever	-	5	5	4.8
Mumps	-	-	-	Nil
Pneumonia	-	-	-	.4
Tuberculosis	-	1	1	.6
Typhoid Fever	-	-	-	.2
Smallpox	-	-	-	Nil
Scarlet Fever	-	-	-	Nil
Relapsing Fever	-	-	-	Nil
Cerebro Spinal Meningitis ...	-	-	-	Nil
	1	9	10	9.4

Includes suspected cases.

TABLE D.

CASES OF INFECTIOUS SICKNESS OCCURRING ON VESSELS
DURING THE VOYAGE, but disposed of prior to arrival.

Disease	No. of Cases during 1946		No. of vessels concerned	Average for previous five years.
	Passenger	Crew		
Chicken Pox	-	1	1	.6
Dysentery	-	-	-	.4
Malaria Fever	-	6	6	45.4
Influenza	-	-	-	1.0
Measles	-	-	-	Nil
Pneumonia	-	1	1	1.0
Diphtheria	-	-	-	.6
Scarlet Fever	-	-	-	.2
Smallpox	-	-	-	.6
Typhoid Fever	-	2	2	.2
Tuberculosis	-	-	-	.4
Erysipelas	-	1	1	Nil
Mumps	-	-	-	.2
Whooping Cough	-	-	-	Nil
German Measles	-	-	-	.2
Blackwater Fever	-	-	-	Nil
Anthrax	-	-	-	.2
	-	11	11	51.0

ERYSIPELAS.

S.S. "Yersin." Arrived at the port from Tyne on January 5th. One of the crew had been landed at Blyth suffering from Erysipelas.

CHICKENPOX.

S.S. "Samdel." Arrived at the port on February 10th. One of the crew had been suffering from Chickenpox during the voyage.

S.S. "Skeldergate." Arrived at the port on December 24th. The Chief Officer's child who had joined the ship with his mother, from Newport, Mon., was found to be suffering from Chickenpox and was given medical attention on board during the vessel's stay.

INFLUENZA.

S.S. "Columba." Arrived at the port on February 21st from Hull. One of the crew was found to be suffering from Influenza. Medical attention was given on board.

S.S. "Rita Maersk." Arrived at the port on December 12th from Oxelosund. The Chief Officer was found to be suffering from Influenza and medical attention was given on board.

TYPHOID FEVER.

S.S. "Rookley." Arrived at the port on February 19th from Casablanca. One of the crew had been landed at Algiers suffering from Typhoid Fever.

M.V. "Mies." Arrived at the port on March 22nd from Hartlepool. One of the crew had been landed at Hartlepool suffering from Typhoid Fever.

DYSENTERY.

S.S. "Olympos." Arrived at the port on April 2nd from Bone. One of the crew was admitted to West Lane Isolation Hospital suspected to be suffering from Dysentery.

MALARIA FEVER.

S.S. "Samnethy." Arrived at the port on April 26th from Takoradi. One of the crew had been suffering from Malaria Fever during the voyage.

M.V. "Tresilian" Arrived at the port on July 6th from Pepel. One of the crew was found to be suffering from Malaria Fever and was given medical attention on board.

M.V. "Leeds City." Arrived at the port on August 2nd from Pepel. One of the crew had been suffering from Malaria Fever during the voyage.

S.S. "Samalness." Arrived at the port on August 14th from Pepel. One of the crew was found to be suffering from Malaria Fever and was given medical attention on board.

S.S. "Fort Fairford." Arrived at the port on August 17th from Pepel. One case of Malaria Fever was removed to North Ormesby Hospital. Four other cases had occurred during the voyage home.

S.S. "Templebar." Arrived at the port on October 12th from Pepel. One of the crew was suspected to be suffering from Malaria Fever and was removed to the Middlesbrough General Hospital.

S.S. "Empire Beatrice." Arrived at the port on November 26th from Pepel. One of the crew was removed to North Ormesby Hospital suffering from Malaria Fever.

TUBERCULOSIS.

S.S. "Urlana." Arrived at the port on May 22nd from London. One of the native seamen was given medical treatment for suspected Tuberculosis.

RETURN OF CASES OF SICKNESS OR INJURY

found on Vessels entering the Port.

Appendicitis	...	...	...	2
Eye infection	...	...	...	1
Pleurisy	...	...	...	2
Boils	...	...	...	2
Eczema	...	...	...	1
Influenza	...	...	...	2
Knee injury	...	...	...	1
Duodenal Ulcer	...	...	...	1
Scabies	...	...	...	1
Heart trouble	...	...	...	1
Suspected Dysentery	...	...	...	1
Broken finger	...	...	...	1
Rheumatism	...	...	...	2
Tonsilitis	...	...	...	1
Tuberculosis	...	...	...	1
Stomach trouble	...	...	...	2
Ringworm	...	...	...	1
Broken jaw	...	...	...	1
Malaria fever	...	...	...	5
Broken arm	...	...	...	1
Sore throat	...	...	...	1
Knife wounds	...	...	...	1
Ear trouble	...	...	...	1
Bronchial catarrh	...	...	...	1
Jaundice	...	...	...	1
Fractured rib	...	...	...	1
Cystitis	...	...	...	1
Poisoned knee	...	...	...	1
Chickenpox	...	...	...	1
Venereal Disease	...	...	...	62

TOTAL ... 101

Of the above, 73 were treated in hospital and at the Clinic, two were sent to their homes, and twenty-five were treated on board.

RETURN OF CASES OF SICKNESS OR INJURY
dealt with before arrival at the Port.

Erysipelas	...	...	...	1
Chickenpox	...	...	...	1
Scabies	...	...	...	1
Typhoid Fever	...	...	...	2
Malaria Fever	...	...	...	6
Peritonitis	...	...	...	1
Stomach trouble	...	...	...	1
Foot injury	...	...	...	1
Epilepsy	...	...	...	1
Appendicitis	...	...	...	1
Otitis Media	...	...	...	1
Pneumonia	...	...	...	1
Gastritis	...	...	...	1
Jaundice	...	...	...	1
Venereal Disease	...	...	...	24
TOTAL				44

Of the above, 30 cases were dealt with at sea.

PORTS at which the preceding were dealt with :

Algiers	...	1	Blyth	...	1	Hartlepool	...	1
Alexandria	...	5	Dakar	...	1	Naples	...	1
Arzen	...	1	Gibraltar	...	1	Sunderland	...	1
						St. John	...	1

MEASURES AGAINST RODENTS.

All ships entering the Port are examined by the Rat Searcher, who is a whole-time officer of the Port Health Authority. If necessary, orders for deratisation are served, and this is carried out by fumigation. The ships are prepared for fumigation under the supervision of the Authority's officers. The fumigation is carried out by well-known firms who specialise in this work. The fumigants used are :—

1. H.C.N. by the liquid method, sealed from 4-6 hours.
2. H.C.N. by the Zyklon "B" method (Cyanosor) "B".
3. Burning of sulphur, 3-lbs. per 1,000 cu. ft. space, sealed from 6-8 hours.
4. Salfakose, 1½-lbs. per 1,000 cu. ft. 6 hours sealed.

The Rat Searcher spends part of his time searching the wharves and quays, and obtains specimens for bacteriological examination. The owners of the docks and wharves employ recognised rat catchers.

Rat guards are placed on hawsers mooring vessels to the wharves. Tarring of mooring ropes is also carried out in certain cases.

All rats, whether trapped or dead from fumigation, are examined for signs of disease and any found dead are sent for bacteriological examination.

No rats from ships or the shore were found infected with plague during the past year. There are very few warehouses on the docks and wharves on the River Tees and only one, in the L.N.E.R. dock, has been erected in recent years.

None of the existing buildings are strictly rat-proof.

The buildings are kept under constant supervision and suggestions for improving rat-proofing are made from time to time as required.

RATS DESTROYED DURING THE YEAR.

TABLE E.

(1). On Vessels.

[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 with S.O.2	Number of Rats killed	Number of such Vessels fumigated with 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.

Deratisation Certificates and Deratisation Exemption Certificates issued during the year.

NET TONNAGE	Number of Ships	No. of Deratisation Certificates issued.					Number of De- ratation Exemption Certifi- cates issued	Total Certifi- cates issued
		After Fumigation with			After Trapping, Poisoning, etc.	Total		
		H.C.N.	Sulphur	H.C.N. and Sulphur				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Ships up to 300 tons ...	88	—	—	—	—	—	88	88
Ships from 301 to 1000 tons	33	—	—	—	1	1	32	33
Ships from 1001 to 3000 tons	35	4	1	—	—	5	30	35
Ships from 3001 to 10,000 tons	84	30	1	—	—	31	53	84
Ships over 10,000 tons ...	—	—	—	—	—	—	—	—
	240	34	2	—	1	37	203	240

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 ...	1,263	1	82	78
Other Nations	740	—	—	4

GENERAL SANITARY SUPERVISION.

During the year 116 informal or verbal notices dealing with 165 nuisances were served, 115 of which were complied with.

Those related to :—

Verminous Quarters	66
Dirty Quarters	14
Accommodation required painting ...	25
Choked W.C.'s	9
Choked scupper pipes	8
Leaking overhead decks	9
Defective and leaking ports	5
Defective or broken W.C. pans	4
Defective water service pipes	4
Defective W.C. seats	2
Defective heating apparatus and steam heater pipes	4
Choked sink waste pipes	2
Defective accommodation door joints ...	2
Dirty mattresses	2
Defective washbasins	2
Defective W.C. soil pipes	2
Defective W.C. flush pipe	1
Defective Messroom geyser	1
Galley requiring painting out	1
Defective ventilator	1
Inadequate locker accommodation ...	1
TOTAL	165

VERMINOUS VESSELS.

Jan.	15	S.S. "Heros"	Crews quarters sprayed with insecticide.
"	22	S.S. "Empire Torridge"	do.
"	23	S.S. "Broomlands"	Crews quarters fumigated with H.C.N.
Feb.	22	S.S. "Ester Thaden"	Crews quarters sprayed with insecticide.
"		M.V. "Farndale"	Crews quarters fumigated with H.C.N.
"	24	S.S. "Thistledale"	All accommodation fumigated with H.C.N.
Mar.	11	S.S. "Fort Boise"	do.
"		M.V. "Trevelyan"	All accommodation sprayed with insecticide
"	26	S.S. "Empire Nerissa"	All accommodation fumigated with H.C.N.
April	20	S.S. "Fort Capot River"	All accommodation sprayed with insecticide
"	29	S.S. "Empire Summer"	All accommodation fumigated with H.C.N.
May	2	S.S. "Fort Norman"	do.
"	21	S.S. "Empire Glory"	All accommodation sprayed with insecticide.
"	20	M.V. "Athol Chief"	do.
"		M.V. "Chant 23"	do.
June	5	S.S. "Masunda"	do.
"	11	S.S. "Fort Musquasso"	do.
"	13	S.S. "Runswick"	Pantry sprayed with insecticide.
"	15	S.S. "Fort Lawrence"	Crews quarters and pantry sprayed with insecticide.
"	17	S.S. "Geddington Court"	Crews quarters fumigated with H.C.N.
"	24	S.S. "Miguel de Larrinaga"	do.
"	27	S.S. "Empire Usk"	Crews quarters sprayed with insecticide.
"	29	S.S. "Baron Geddes"	do.
July	2	S.S. "Fort Morin"	Accommodation sprayed with insecticide.
"	8	S.S. "Fort Aspin"	Crews quarters sprayed with insecticide.
"	9	S.S. "Algonguin Park"	do.
"	11	S.S. "William H. Daniels"	do.
"	16	S.S. "Telesfora de Larrinaga"	do.
"	19	S.S. "Lloydcrest"	Accommodation fumigated with H.C.N.
"	24	S.S. "Fort Hall"	do.
"	29	S.S. "Coulgorm"	do.
"	30	S.S. "Fort La Traite"	Gunners accommodation sprayed with insecticide.
Aug.	3	S.S. "Tintern Abbey"	Accommodation sprayed with insecticide.
"	6	S.S. "Paris City"	do.
"	17	S.S. "Runswick"	do.
"		S.S. "Fort Fairford"	Accommodation fumigated with H.C.N.
"	19	S.S. "Fort Grouard"	Crews quarters fumigated with H.C.N.
"	31	S.S. "Baron Yarborough"	Crews quarters sprayed with insecticide.
Sept.	12	S.S. "Norman Monarch"	Accommodation fumigated with H.C.N.
"	14	S.S. "Fort La Baye"	Accommodation sprayed with insecticide.
"	16	S.S. "Empire Austin"	Accommodation fumigated with H.C.N.
"	23	S.S. "Tintern Abbey"	Accommodation sprayed with insecticide.
"		S.S. "Stanridge"	Accommodation fumigated with H.C.N.
Oct.	5	S.S. "Ocean Vanity"	Crews quarters sprayed with insecticide.
"	9	S.S. "Thirlby"	Accommodation fumigated with H.C.N.

VERMINOUS VESSELS—*continued.*

Oct.	11	S.S. "Fort Stager"	Pantry and provision store sprayed with insecticide.
"	12	S.S. "Temple Bar"	Crews quarters sprayed with insecticide.
"	17	S.S. "Danby"	do.
"	18	S.S. "Gaston Micard"	Galley and Pantry sprayed with insecticide.
"	31	S.S. "Baron Ramsey"	Crews quarters fumigated with H.C.N.
Nov.	8	S.S. "Fort Ellice"	Crews quarters sprayed with insecticide.
"	13	S.S. "Teakwood"	Pantry and Crews quarters sprayed with insecticide.
"	19	S.S. "Samindoro"	Accommodation fumigated with H.C.N.
"	24	M.V. "Laurelwood"	Accommodation sprayed with insecticide.
"	29	S.S. "S. Kirov"	Accommodation fumigated with H.C.N.
Dec.	19	S.S. "Duke of Athens"	Accommodation sprayed with insecticide.
"	23	S.S. "Nemiskam Park"	Crews quarters sprayed with insecticide.
"	28	S.S. "Fort Stager"	Accommodation fumigated with H.C.N.

Does not include vessels reported and dealt with at the next British Port.

CASES OF ILLNESS OR INJURY ON BOARD VESSELS.

Reported or dealt with during the year 1946.

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
Jan. 7	Skaraborg ...	Rouen ...	Appendicitis ...	Admitted to N.O. Hospital for operation.
" 12	Ganymedes ...	Rotterdam ...	Eye infection ...	Attended by Dr. on board.
" 18	Aslaug ...	Delfzyl ...	Venereal Disease	Referred to Clinic.
" 21	Amersham ...	Pepel ...	Venereal disease ... (7 cases)	Dealt with on voyage.
" 21	Yersin ...	Tyne ...	Erysipelas ...	Landed at Blyth.
" 25	Empire Vera ...	Coastwise ...	Pleurisy ...	Admitted to Hospital.
" 25	Lysaker (V) ...	Jossingfjord:...	Boils ...	Attended by Dr. on board.
" 28	Empire Baxter ...	Pepel ...	Veneral disease ...	Referred to Clinic.
Feb. 6	Bridgepool ...	Bone ...	Venereal disease ... (4 cases)	Referred to Clinic.
" 6	Samdel ...	Havre ...	Chicken Pox ...	Dealt with on voyage.
" 16	Kvikkjokk ...	Narvik ...	Venereal disease ...	Referred to Clinic.
" 16	Kvikkjokk ...	Narvik ...	Excema ...	Attended by Dr. on board.
" 20	Baron Haig ...	Lagoulette ...	Venereal disease ...	Dealt with on voyage.
" 20	Baron Haig ...	Lagoulette ...	Scabies ...	Dealt with on voyage.
" 21	Columba ...	Hull ...	Influenza ...	Attended by Dr. on board.
" 22	Esther Thorden	Castro Urdials	Pleurisy ...	Attended by Dr. on board.
" 24	Thistledale ..	Bone ..	Venereal disease ... (2 cases)	Referred to Clinic.
" 25	Fort Pine ...	Bone ...	Venereal disease ...	Landed at Naples.
" 25	Rookley ...	Casablanca ...	Typhoid Fever ...	Landed at Algiers.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
Mar. 20	Peronne ...	Coastwise ...	Injury to knee ...	Treated at N.R.I.
" 21	Franka ...	Grangemouth	Venereal disease ...	Referred to Clinic.
" 22	Mies ...	Hartlepool ...	Typhoid Fever ...	Landed at Hartlepool.
" 23	Bialystok ...	Gibraltar ...	Venereal disease ... (2 cases)	Referred to Clinic.
" 23	Empire Pitt ...	Bone ...	Venereal disease ... (6 cases)	Referred to Clinic.
" 28	Fort Ticonderoga	Bone ...	Duodenal Ulcer ...	Went home for treatment.
April 1	Gothia ...	Hamburg ...	Scabies ...	Treated at Scabies Clinic.
" 2	Olympos ...	Bone ...	Susp. Dysentery ...	Admitted to West Lane Hospital.
" 15	Hickory Mount	Antwerp ...	Heart trouble ...	Removed to Hospital.
" 21	Alresford ...	Lagoulette ...	Broken finger ...	Attended by Dr. on board.
" 23	Kajtum ...	Narvick ...	Rheumatism ...	Attended by Dr. on board.
" 23	Baron Elgin ...	Hornillo Bay	Venereal disease ...	Referred to Clinic.
" 24	Hugin ...	Kirkcaldy ...	Venereal disease ...	Referred to Clinic.
" 26	Samnethy ...	Takoradi ...	Malaria Fever ...	Dealt with on voyage.
" 27	Ursa ...	Yarmouth ...	Venereal disease ...	Referred to Clinic.
May 1	Empire Southwark	Bougie ...	Venereal disease ...	Referred to Clinic.
" 2	Ionic Star ...	Hull ...	Tonsilitis ...	Attended by Dr. on board.
" 11	Drakepool ...	Bone ...	Venereal disease ... (6 cases)	Referred to Clinic.
" 14	Fort Nashwaak ...	Takoradi ...	Boils ...	Dealt with on board during voyage.
" 16	Fort Perrot ...	Hamburg ...	Venereal disease ...	Referred to Clinic.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
May 22	Urlana ...	Coastwise ...	Susp. Tuberculosis	Attended by Dr. on board.
„ 22	Begonia ...	Algiers ...	Venereal disease ...	Referred to Clinic.
June 4	Stanridge ...	Melilla ...	Venereal disease ...	Referred to Clinic.
„ 13	Fort La Prairie ...	Bone ...	Venereal disease ... (8 cases)	Referred to Clinic.
„ 20	Empire Falcon ...	Bone ...	Venereal disease ...	Treated on board during voyage.
„ 21	Langlebrook ...	Melilla ...	Venereal disease ...	Treated on board during voyage.
„ 21	Bele ...	Dieppe ...	Venereal disease ...	Referred to Clinic.
„ 26	Silkeborg ...	Gefle ...	Stomach trouble ...	Attended by Dr. on board.
„ 27	Empire Usk ...	Lagoulette ...	Susp. Ringworm ...	Attended by Dr. on board.
„ 29	Empire Shepherd	Salta Caballo	Broken jaw ...	Removed to N.O.H.
July 5	Tempo ...	Arzeu ...	Peritonitis ...	Died at Arzeu.
„ 6	Tresilian ...	Pepel ...	Susp. Malaria ...	Attended by Dr. on board.
„ 10	Sirius ...	Otterbacken ...	Venereal disease ...	Referred to Clinic.
„ 15	Dornoch ...	Pepel ...	Malaria ...	Removed to West Lane Hospital for observation.
„ 24	Fort Hall ...	Melilla ...	Bronchitis ...	Sent home to South Shields for treatment.
„ 29	Coulgorm ...	Bone ...	Venereal disease ... (2 cases)	Referred to Clinic.
„ 30	Fryken ...	Gothenburg ...	Venereal disease ...	Referred to Clinic.
Aug. 1	Spero ...	Bilbad ...	Venereal disease ...	Referred to Clinic.
„ 2	Leeds City ...	Pepel ...	Malaria ...	Treated on board during voyage.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
Aug. 9	Kordecki ...	Nemours	... Venereal disease (3 cases)	... Treated on board during voyage.
„ 12	Fidra ...	Stockholm	... Venereal disease (2 cases)	... Referred to Clinic.
„ 13	Gatineau Park ...	Wabana	... Venereal disease	... Referred to Clinic.
„ 14	Samalness ...	Pepel	... Malaria Fever	... Attended by Dr. on board.
„ 17	Fort Fairford ...	Pepel	... Malaria „ (5 cases)	... S.S. visited by Port M.O. One case removed to N.O.H. 4 cases treated on board during voyage
Sept. 2	Bjorko ...	Rotterdam	... Broken arm and crushed hand	Removed to N.R.I.
„ 6	Triantha ...	Aalborg	... Stomach trouble	Left in Hospital at Sunderland.
„ 13	City of Swansea	Antwerp	... Sore throat	... Treated on board.
„ 14	Fort La Baye ...	Bone	... Foot injury	... Landed at Gibralta.
„ 14	Fort La Baye ...	Bone ...	... Epilepsy and Dermatitis	Distressed British Seamen repatriated from Alexandria on the S.S. Fort La Baye.
	„	„	Otitis Media	
	„	„	Pneumonia	
	„	„	Gastritis ...	
Oct. 5	Ocean Vanity ...	Bone ...	... Venereal disease	... Referred to Clinic.
„ 5	Ocean Vanity ...	Bone ...	... Knife wounds	... Removed to N.R.I.
„ 5	Ocean Vanity ...	Bone ...	... Ear trouble	... Attended by Dr. on board.
„ 11	Fort Stager ...	Antwerp	... Venereal disease (10 cases)	... Treated on board during voyage.
„ 12	Temple Bar ...	Pepel	... Susp. Malaria	... Removed to General Hosp.
„ 12	Empire Scott ...	Casablanca	... Venereal disease (2 cases)	... Referred to Clinic.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
Oct. 30	Knight Templar	Wabana ...	Jaundice ...	Landed at St. John, Newfoundland.
„ 31	Killada ...	Barbadoes ...	Venereal disease ...	Referred to Clinic.
„ 31	Empire Arran ...	Casablanca ...	Venereal disease ... (3 cases)	Referred to Clinic.
Nov. 4	Sambre ...	Pepel ...	Venereal disease ...	Referred to Clinic.
„ 9	Fort Norman ...	Pepel ...	Venereal disease ... (2 cases)	Referred to Clinic.
„ 16	Empire Continent	Coastwise ...	Bronchial Catarrh	Attended by Dr. on board.
„ 20	Audacia ...	Antwerp ...	Jaundice ...	Attended by Dr. on board.
„ 21	Monte Mulhacken	Hornillo ...	Stomach trouble	Attended by Dr. on board.
„ 26	Empire Beatrice	Pepel ...	Malaria ...	Removed to N.O.H.
„ 28	Svea ...	Hoganes ...	Fractured Ribs ...	Attended by Dr. on board.
Dec. 3	Kajtum ...	Narvik ...	Cold ...	Attended by Dr. on board.
„ 9	Ocean Traveller	Coastwise ...	Venereal disease ... (2 cases)	Referred to Clinic.
„ 12	Rita Maersk ...	Oxelosund ...	Influenza and Bronchitis	Attended by Dr. on board.
„ 16	Danby ...	Casablanca ...	Rheumatism ...	Attended by Dr. on board.
„ 16	Danby ...	Casablanca ...	Cystitis ...	Attended by Dr. on board.
„ 28	Sampenn ...	Pepel ...	Poisoned Knee ...	Attended by Dr. on board.

FOOD INSPECTION.

Consignments of foodstuffs have been systematically examined during the year.

These consisted of wheat, sugar, syrup, fruit, vegetables and groceries. They were all found to be in good condition.

At the request of the Ministry of Transport Surveyor the undermentioned ships' stores were examined and found to be unfit for food :

300 lbs. Beef and Pork.

70 lbs. Mutton.

40 lbs. Chicken.

8 bags Flour.

(1). It was not found necessary to take any action under the Public Health (Imported Food) Regulations 1937, the Public Health (Imported Milk) Regulation 1926 and the Public Health (Preservatives etc. in Food) Regulations, 1925 to 1940.

(2). Shell-fish. In 1932 the River Tees Port Health Authority made regulations under the Public Health Act, 1896, prohibiting the sale or offering for sale any mussels, cockles, periwinkles or other shell-fish taken from within the district unless and until such shell-fish shall have been relaid for such a period as may be directed,

There are no beds laid in the Tees Estuary. The River Police keep the collecting of shell-fish from the banks of the river under observation. All shell-fish in the area are liable to pollution.

No action has been taken during the year under the Public Health (Shell-fish) Regulations 1934, or the Food and Drugs Act, 1938.

A sample of water was taken from a Dutch vessel which arrived at the Port after having landed a case of Typhoid Fever at the Hartlepoons. The report from the Analyst stated that the water was free from pollution in any form, and was of good and wholesome quality.

STEAM LAUNCH "MERCIE."

The launch was laid up in September owing to boiler trouble and the increasing number and cost of repairs. A new deisel launch has already been ordered. In the absence of the launch, vessels at the buoys in the river are visited by a hired launch. Other vessels are visited in their berths alongside the quays or wharves.

