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**Contributors**

River Tees Port Health Authority.

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1947

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1947

RIVER TEES PORT HEALTH  
AUTHORITY

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SIXTY-FIRST  
**ANNUAL REPORT**  
OF THE  
MEDICAL OFFICER OF HEALTH.

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H. & F. Stokeld, Printers, Grange Road  
MIDDLESBROUGH.

—  
1948

# RIVER TEES PORT HEALTH AUTHORITY.

## LIST OF MEMBERS, 1947-1948.

### *Middlesbrough :*

Alderman L. G. Allen  
Councillor J. Bolton.  
Councillor Breckon.  
Councillor E. Harford.  
Councillor F. J. Longstaff.  
Councillor W. Randall.  
Councillor J. Nugent.  
J. W. Nunn.

### *Stockton :*

Alderman C. W. Allison.  
Councillor W. M. Worth.  
Councillor J. C. Hudson.  
Councillor R. T. Griffiths.

### *Thornaby :*

Alderman E. E. Brannan.  
Councillor J. W. Collinson.

### *Redcar :*

Alderman Chaplin.  
Councillor J. S. Dixon.

### *Eston U.D. Council :*

Councillor J. A. Gavin.  
Councillor T. Walsh.  
Councillor J. R. Ginty.

### *Billingham U.D. Council :*

Councillor J. O. Evitts.  
Councillor W. A. McArthur.  
Councillor L. H. Smith.

### *Stockton U.D. Council :*

Councillor A. E. Ward.  
Councillor F. B. Battersby.

## STAFF OF THE PORT HEALTH AUTHORITY,

1947.

*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.  
(To 31st October).

C. L. ELDER, M.B., Ch.B., D.P.H. (From 1st December).

*Deputy Medical Officer*—A. MENZIES, M.B., Ch.B., D.P.H. (From 1st March).

*Port Health Inspector*—A. NEILSON JONES, C.R.S.I., Cert. Master Mariner.

*Assistant Port Health Inspector*—G. A. RICHARDS, Cert. Master Mariner.

*Rat Searcher*—T. WARWICK.

*Launch Hands*—One Engineer and one Deck Hand.

## RIVER TEES PORT HEALTH AUTHORITY.

MUNICIPAL BUILDINGS,  
MIDDLESBROUGH.

FEBRUARY, 1948.

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

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting the 61st Annual Report of the work of the River Tees Port Health Authority, for the year ended 31st December, 1947. The report is once more 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.

Close supervision has been maintained during the year so as to safeguard against any possible introduction of sea-borne infectious diseases, and also to ascertain the sanitary condition of vessels entering the Port, and the purity of imported foodstuffs. This has been especially necessary in view of the plague epidemics in Palestine and East Baltic, and the cholera epidemic in Egypt during the past year.

The number of vessels entering the port increased by about 15 per cent. on the numbers for 1946.

The River Tees Port Health Authority was recognised as an approved Port under the Aliens Order, 1920, in June, 1947. This approval did not cause any major alteration in the work of the staff, as this work had been carried on unofficially for some years, especially during the war years.

The launch "Mercie" having been laid up for several months, was finally sold. It is hoped that the new Diesel-engined launch will be delivered in the autumn of 1948. Meantime, a launch is hired for boarding vessels at the buoys, otherwise they are visited at their berths when they come alongside.

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 Harbourmaster 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,

CHARLES L. ELDER,

*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	No. of Vessels on which defects were found and reported to Ministry of Transport Surveyors	No. 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 ..	717	1,551,092	236	715	68	68	—	11
	*Motor ...	428	230,934	93	425	—	—	—	—
	Sailing ...	—	—	—	—	—	—	—	—
	Fishing ..	9	974	—	9	—	—	—	—
TOTAL FOREIGN...		1,154	1,783,000	329	1,149	68	68	—	11
COASTWISE	Steamer	401	226,547	38	391	7	6	—	—
	Motor ..	772	171,806	42	750	5	3	—	—
	Sailing ..	—	—	—	—	—	—	—	—
	Fishing	6	914	—	6	—	—	—	—
TOTAL COASTWISE		1,179	399,267	80	1,147	12	9	—	—
TOTAL FOREIGN AND COASTWISE ...		2,333	2,182,267	409	2,296	80	77	—	11

\* 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 Aliens	150 69	Nil Nil
OUTWARDS British Aliens	243 122	Nil Nil

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

In June the River Tees was approved as an accredited Aliens Port for the landing and embarkation of alien passengers. The passenger traffic is chiefly to and from Eastern North sea ports.

114 British passengers were medically examined.

## (B.)—CARGO TRAFFIC.

IMPORTS INTO THE RIVER TEES FOR THE YEAR ENDED 31st OCTOBER, 1947.

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

ORES :					<i>Tons</i>
Iron	...	...	...	...	2,106,509
Manganese	...	...	...	...	148,035
Chrome, etc.	...	...	...	...	633
IRON AND STEEL :,					
Billets, etc.	...	...	...	...	2,595
Machinery	...	...	...	...	264
Manufactured	...	...	...	...	2,235
Pig Iron	...	...	...	...	1,788
Scrap	...	...	...	...	134,782
Loam	...	...	...	...	12,886
Manures (Chemical)	...	...	...	...	41,588
OILS :					
Creosote	...	...	...	...	28,791
Fuel, etc.	...	...	...	...	29,784
Petrol, etc.	...	...	...	...	30,541
Corn	...	...	...	...	34,918
Provisions	...	...	...	...	1,937
Sugar, etc.	...	...	...	...	15,134
Spelter	...	...	...	...	20

					<i>Tons</i>
Wood .....	..	..	..	..	9,575
Magnesite .....	..	..	..	..	1,855
Bricks .....	..	..	..	..	23,062
Phosphate Rock .....	..	..	..	..	73,805
Glass .....	..	..	..	..	10
Cement .....	..	..	..	..	100
Paper .....	..	..	..	..	96
Sundry Goods .....	..	..	..	..	25,706
					<hr/>
TOTAL IMPORTS ... ..					2,726,649 Tons

EXPORTS FROM THE RIVER TEES DURING THE YEAR ENDING 31st OCTOBER, 1947.

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

Manager of the Fees Conservancy Commission).						Tons
IRON AND STEEL :						
Pig Iron	...	...	...	...	...	36,502
Rails and Fishplates		...	...	...	...	26,956
Castings	...	...	...	...	...	38,381
Angles, Bars and Plates	...	...	...	...	...	109,756
Joists, etc.	...	...	...	...	...	14,025
Scrap	...	...	...	...	...	3,545
Galvanised Sheets	...	...	...	...	...	7,402
Machinery	...	...	...	...	...	35,370
Bridgework	...	...	...	...	...	10,955
Wire (of all descriptions)	...	...	...	...	...	6,089
Manufactured (of all kinds other than the						
above)	...	...	...	...	...	76,345
Bunker Coal (over 500 tons)			...	...	...	37,263
Cargo Coal	...	...	...	...	...	21,953
Coke	...	...	...	...	...	1,167
Basic Slag (Ground)	...	...	...	...	...	6,357
Salt	...	...	...	...	...	2,398
Sulphate of Ammonia, etc.	...	...	...	...	...	288,425
Chemicals and Chemical Products (other than						
Sulphate of Ammonia)	...	...	...	...	...	55,754
Pitch and Tar	...	...	...	...	...	66,955
Cement	...	...	...	...	...	295
Creosote Oil	...	...	...	...	...	17,523
Benzole	...	...	...	...	...	11,836
Petrol, etc.	...	...	...	...	...	1,766
Paper	...	...	...	...	...	2,004
Paint	...	...	...	...	...	2,205
Corn	...	...	...	...	...	547
Slag (Rough)	...	...	...	...	...	56,564
Slag Wool	...	...	...	...	...	2,060
Glass and Earthenware	...	...	...	...	...	702
Sundry Goods	...	...	...	...	...	31,034
TOTAL EXPORTS						972,124

## (C). MEDICAL INSPECTION OF ALIENS.

ANNUAL RETURN BY THE MEDICAL INSPECTOR OF ALIENS FOR THE YEAR ENDED 31st DECEMBER, 1947.

	Total	Number inspected by the Medical Inspector	Number subjected to detailed examination by the Medical Inspector	Certificates issued.					Transmigrants.
				Lunatic Idiot or M.D.	Undesirable for Medical reasons	Physically incapacitated	Suffering from Acute Infectious Disease	Landing necessary for adequate Medical Examination	
(a) Total Number of Aliens landing at the Port ...	69	65	—	—	—	—	—	—	—
(b) Aliens refused permission to land by Immigration Officer	15	—	—	—	—	—	—	—	—
(c) Transmigrants ...	—	—	—	—	—	—	—	—	—
Total Aliens arriving at the Port ...	84	65	—	—	—	—	—	—	—

Total number of vessels carrying Alien passengers ... 52

Number of vessels dealt with by the Medical Inspector ... 38

\* Applicable only to Ports approved for the landing of Aliens.

## ALIENS ORDER, 1920.

The Port was recognised on the 4th June, 1947, as an approved Port for the landing of Alien passengers. The majority of the 69 aliens authorised to land were from Scandinavian Ports and were spending short holidays in this country. They were interviewed by the Medical Inspector and no certificates were issued prohibiting landing on medical grounds.

## 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 and Germany.

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. Occasionally ships laid at the buoys in the river are supplied from 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. The Middlesbrough Sand and Gravel Company acquired a water boat from the Tyne during the year for supplying vessels lying at the buoys with water. This vessel, the "Rionora", is an old wooden boat of approximately 34 net tons. She has two wood lined water tanks with capacity of about 40 tons each. The craft is never fully loaded, however, carrying about 55 tons she has approximately 18 inches freeboard. The tanks are cleaned out weekly and periodically inspected. There is also a small tank on a sand barge belonging to the same Company, 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 1947 was 506. 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 for 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 Catcher 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 vessels.

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 :—

SEAMEN TREATED AT SPECIAL TREATMENT CENTRE, MIDDLESBROUGH GENERAL HOSPITAL  
DURING 1947.

Nationality.			Number treated.	
British (British Isles only)	...	...	...	179
British Empire—Aden	...	...	...	8
Australia	...	...	...	1
Canada	...	...	...	9
Cyprus	...	...	...	1
Eire	...	...	...	5
India	...	...	...	19
Malta G.C.	...	...	...	2
Newfoundland	...	...	...	1
Seychelles	...	...	...	1
South Africa	...	...	...	1
West Africa	...	...	...	1
West Indies	...	...	...	6
Foreign—America	...	...	...	5
Argentina	...	...	...	1
China	...	...	...	5
Denmark	...	...	...	10
Estonia	...	...	...	5
Ecquador	...	...	...	1
Finland	...	...	...	25
France	...	...	...	2
Greece	...	...	...	9
Holland	...	...	...	11
Latvia	...	...	...	2
Norway	...	...	...	36
Poland	...	...	...	2
Spain	...	...	...	4
Sweden	...	...	...	72
Zanzibar	...	...	...	1
Total No. of Seamen who attended			...	425
British			...	179
British Empire			...	55
Foreign			...	191

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

TABLE C.

## CASES OF INFECTIOUS SICKNESS LANDED FROM VESSELS.

				Number of cases during 1947		Number of vessels concerned	Average for previous five years.
				Passengers	Crew		
Chicken-pox	...	...	—	2	2	1.6	
Measles	...	...	—	—	—	.4	
Influenza	...	...	—	3	3	1.2	
Diphtheria	...	...	—	—	—	.2	
Dysentery	...	...	—	—	—	.8	
German Measles	...	...	—	—	—	Nil	
Malaria Fever	...	...	—	6	2	4.2	
Mumps	...	...	—	—	—	Nil	
Pneumonia	...	...	—	—	—	.4	
Tuberculosis	...	...	—	1	1	.8	
Typhoid Fever	...	...	—	—	—	Nil	
Small-pox	...	...	—	—	—	Nil	
Scarlet Fever	...	...	—	—	—	Nil	
TOTALS			—	12	8	9.6	

TABLE D.

CASES OF INFECTIOUS SICKNESS OCCURRING ON VESSELS  
during the voyage, but disposed of prior to arrival.

Disease.	No. of cases during 1947		Number of vessels concerned.	Average for previous five years.
	Passengers	Crew		
Chicken-pox ... ..	-	-	-	.6
Dysentery ... ..	-	-	-	.4
Malaria Fever ... ..	-	12	3	37.0
Influenza ... ..	-	-	-	1.0
Measles ... ..	-	-	-	Nil
Pneumonia ... ..	-	1	1	1.0
Diphtheria ... ..	-	-	-	.2
Scarlet Fever ... ..	-	-	-	.2
Tuberculosis ... ..	-	1	1	.2
Erysipelas ... ..	-	-	-	.2
Mumps ... ..	-	-	-	.2
German Measles ... ..	-	-	-	.2
Anthrax ... ..	-	-	-	Nil
Paratyphoid Fever ... ..	-	2	1	Nil
TOTALS ... ..	-	16	6	41.2

## INFLUENZA.

S/S "Grano",. Arrived at the port on March 31st. One of the crew was found to be suffering from influenza. Medical attention was given on board.

S/S "Pass of Brander." Arrived at the port on December 29th. The Chief Engineer was found to be suffering from influenza. Medical attention was given on board.

## PNEUMONIA.

S/S "Brika." Arrived at the port on April 12th. One of the crew had been landed at Portland suffering from pneumonia.

## TUBERCULOSIS.

S/S "Clan MacKinley." Arrived at the port on April 29th. One of the crew had been landed at London suffering from tuberculosis.

S/S "Ardeal." Arrived at the port on September 16th. One of the crew was reported to be suffering from tuberculosis. He was under the care of the ship's surgeon.

## PARATYPHOID FEVER.

M/V "Audun." Arrived at the port on June 12th. One of the crew had been landed at Hartlepool and admitted to hospital, suffering from Paratyphoid fever, and one member of the crew had been medically attended on board.

## MALARIA FEVER.

S/S "Fort Meductic." Arrived at the port on July 4th. Two of the crew had been suffering from malaria fever during the voyage.

S/S "Tower Grange." Arrived at the port on July 21st. Two of the crew were found to be suffering from malaria fever and were removed to hospital.

S/S "Nicolaos Michalos." Arrived at the port on September 23rd. One of the crew was found to be suffering from malaria fever and was given medical treatment on board. Five members of the crew had been suffering from malaria fever during the voyage.

S/S "E. Gladstone." Arrived at the port on October 20th from Pepel. Five of the crew had been suffering from malaria fever during the voyage.

S/S "Loch Dee." Arrived at the port on November 5th from Pepel. Three of the crew were found to be suffering from malaria fever and were removed to hospital for treatment.

## DIPHTHERIA.

S/S "Ljustero." Arrived at the port on October 22nd from Oxelosund. One of the crew was suspected to be suffering from diphtheria and was removed to Eston Isolation Hospital. The case was later diagnosed as septic throat.

**RETURN OF CASES OF SICKNESS OR INJURY**  
found on vessels entering the Port.

Boils	...	...	...	1
Bronchitis	...	...	...	1
Chicken-pox	...	...	...	2
Eye Inflammation	...	...	...	2
Fractured Ankle	...	...	...	2
Fractured Ribs	...	...	...	2
Fractured Leg	...	...	...	2
Fractured Arm	...	...	...	1
Fractured Jaw	...	...	...	1
Heart trouble	...	...	...	1
Head injuries	...	...	...	2
Inflammation of elbow	...	...	...	1
Influenza	...	...	...	3
Kidney trouble	...	...	...	2
Malaria fever	...	...	...	6
Poisoned Leg	...	...	...	1
Sciatica	...	...	...	1
Septic Hand	...	...	...	1
Scabies	...	...	...	3
Suspected Diphtheria	...	...	...	1
Stomach trouble	...	...	...	1
Skin infection	...	...	...	1
Tuberculosis	...	...	...	1
Venereal Disease	...	...	...	38
TOTAL				77

Of the above, 55 were treated in hospital and at the Clinic, two were sent to their homes, and twenty were given treatment on board.

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

Diabetes	...	...	...	1	Septic Leg	...	...	...	1
Kidney trouble	...	...	...	1	Stomach trouble	...	...	...	1
Malaria Fever	...	...	...	12	Tuberculosis	...	...	...	1
Paratyphoid	...	...	...	2	Ulcerated Stomach	...	...	...	1
Pneumonia	...	...	...	1	Venereal Disease	...	...	...	17
Ringworm	...	...	...	7					
Scabies	...	...	...	1	TOTAL				46

Of the above, 37 cases were dealt with at sea. Ports at which the preceding were dealt with:—

Abo	...	1	Hartlepool	...	1	Plymouth	...	1
Antwerp	...	1	London	...	2	Portland	...	1
Durban	...	1	Methil	...	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 (Cyanosorb).
3. Burning of sulphur, 3-lbs. per 1,000 cu. ft. space, sealed from 6-8 hrs.
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 YEAR.

TABLE E.  
(1) On Vessels.

[illegible]

TABLE F.

(2) In Docks, Quays, Wharves and Warehouses.

Number of Rats	Jn.	Fb.	Mr.	Apl	May	Jn.	Jly.	Ag.	St.	Oct	Nv.	Dec.	Total in Year
Black ...	-	-	1	1	1	-	1	-	1	-	2	2	9
Brown ..	9	18	31	34	34	47	35	46	37	34	18	33	376
Species not recorded ...	-	-	-	-	-	-	-	-	-	-	-	-	-
Examined Bacteriologically	1	1	-	-	1	1	1	1	1	1	1	1	10
Infected with Plague ...	-	-	-	-	-	-	-	-	-	-	-	-	-

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)
5	-	-	2	72	-	-	3*

\* These vessels were searched but no traces of rodent infestation were discovered.

TABLE H\*.

Deratisation Certificates and Deratisation Exemption Certificates issued during the year.

NET TONNAGE	No. of Ships	No. of Deratisation Certificates issued.					No. of De- ratiation Exemp- tion Certifi- cates issued (8)	Number  Total Certifi- cates issued (9)
		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 ... ..	91	1	—	—	—	1	90	91
Ships from 301 tons to 1,000 tons	12	—	—	—	—	—	12	12
Ships from 1,001 tons to 3,000 tons	51	4	—	—	—	4	47	51
Ships from 3001 tons to 10,000 tons	83	31	—	—	—	31	52	83
Over 10,000 tons ... ..	—	—	—	—	—	—	—	—
TOTALS ... ..	237	36	—	—	—	36	201	237

\* Applicable only to those Ports approved by the Minister of Health for the issue of Deratisation Certificates and Deratisation Exemption Certificates in accordance with the provisions of Article 28 of the International Sanitary Convention, 1926. (Form Port 11).

## HYGIENE OF CREW'S 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 condition prejudicial to health.
British ...	1,278	3	85	46
Other Nations	1,018	—	1	4

## GENERAL SANITARY SUPERVISION.

During the year 80 informal or verbal notices dealing with 139 nuisances were served, 136 of which were complied with. These related to :—

Verminous quarters	...	...	...	39
Accommodation required painting	...	...	...	19
Defective or choked W.C's.	...	...	...	10
Leaking overhead decks	...	...	...	8
Defective ports	...	...	...	7
Defective flush pipes and apparatus	...	...	...	7
Dirty quarters	...	...	...	6
Defective Heating apparatus	...	...	...	6
Dirty Fresh water tanks	...	...	...	5
Defective sanitary tank pipe line	...	...	...	4
Defective sink waste pipes	...	...	...	4
Defective vetilation	...	...	...	2
Defective W.C. seats	...	...	...	2
Defective hand pump	...	...	...	2
Defective galley stove	...	...	...	1
Dampness in accommodation	...	...	...	1
Leaking sanitary tank	...	...	...	1
Defective fresh water service pipe	...	...	...	1
Defective scupper pipe	...	...	...	1
Defective bunk fittings	...	...	...	1
Baffle to fit over ventilator	...	...	...	1
Leaking steam pipe	...	...	...	1
Defective mess-room door	...	...	...	1
Defective storm valve	...	...	...	1
Defective wash deck service pipe	...	...	...	1
Defective hot press	...	...	...	1
Defective accommodation floor	...	...	...	1
Defective locker door	...	...	...	1
Defective after peak tank top	...	...	...	1
Doors to fit to W.C's.	...	...	...	1
Dirty bedding and mattresses	...	...	...	1
Defective skylight	...	...	...	1
TOTAL	...	...	...	<u>139</u>

## NATIONALITY OF FOREIGN VESSELS.

Dutch	...	...	...	...	477
Swedish	...	...	...	...	251
Norwegian	...	...	...	...	87
German	...	...	...	...	54
Danish	...	...	...	...	44
French	...	...	...	...	32
Finnish	...	...	...	...	16
Greek	...	...	...	...	15
Panamanian	...	...	...	...	15
Belgian	...	...	...	...	10
Russian	...	...	...	...	6
American	...	...	...	...	2
Spanish	...	...	...	...	2
Rumanian	...	...	...	...	2
Polish	...	...	...	...	1
Canadian	...	...	...	...	1
South African	...	...	...	...	1
Italian	...	...	...	...	1
Chinese	...	...	...	...	1
TOTAL					1,018

## VERMINOUS VESSELS.

Feby.	3	S.S. "Fort Grahame"	...	Accommodation treated with insecticide.
	27	S.S. "Fort Poplar"	...	do.
March	3	S.S. "Fort Covington"	...	do.
	4	S.S. "Pencarrow"	...	do.
	10	S.S. "Ben Nevis"	...	do.
	14	S.S. "Hesione"	...	Accommodation fumigated with H.C.N.
	28	S.S. "Ocean Vesper"	...	do.
	31	S.S. "Crackshot"	...	Accommodation sprayed with insecticide.
April	5	S.S. "Sherborne"	...	do.
	11	S.S. "Frank A. Vanderlip"	...	do.
	25	S.S. "Fort Steele"	...	do.
May	7	S.S. "Pendeen"	...	do.
	8	S.S. "Anglo Indian"	...	Crew's accommodation fumigated with H.C.N.
		S.S. "Dramatist"	...	Quartermaster's accommodation fumigated with H.C.N.
	20	S.S. "Chiswick"	.....	Crew's accommodation treated with insecticide.
	21	S.S. "Emp. Tudor"	...	Accommodation fumigated with H.C.N.
June	3	S.S. "Fort Steele"	...	Accommodation fumigated with H.C.N.
	6	S.S. "Baron Elgin"	...	Accommodation treated with insecticide.
	23	S.S. "Empire Heywood"	...	Accommodation fumigated with H.C.N.

VERMINOUS VESSELS—*continued.*

July	4	S.S. "Fort Meductic"	...	Accommodation fumigated with H.C.N.
	21	S.S. "Tower Grange"	...	Crew's accommodation treated with insecticide.
	22	S.S. "Indian Endeavour"		Pantry treated with insecticide.
	26	S.S. "Agios Georgios"	...	Crews' accommodation treated with insecticide.
	30	S.S. "Markhor"	...	Accommodation treated with insecticide.
Aug.	12	S.S. "Samshee"	...	do.
	28	S.S. "Fort Reliance"	...	do.
Sept.	4	S.S. "Fort Sturgeon"	...	Accommodation fumigated with H.C.N.
	12	S.S. "Benedict"	...	do.
	16	S.S. "Ocean Vengeance"	...	do.
	27	S.S. "Argyle"	...	Accommodation treated with insecticide.
Oct.	10	S.S. "Skidby"	...	Crew's accommodation treated with insecticide.
	15	S.S. "Leonidas"	...	do.
	29	S.S. "Elisavet"	...	do.
	31	S.S. "Indian Enterprise"		Accommodation fumigated with H.C.N.
Nov.	14	S.S. "Tintern Abbey"	...	Crew's accommodation treated with insecticide.
Dec.	9	S.S. "Noemi"	...	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 1947.

Date	NAME OF VESSEL		Where from	Nature of illness		Remarks.
Jan. 6	Samlistar	...	Wabana ..	V.D. (2 cases)	...	Treated on board during voyage.
7	Stancourt	...	Wabana ...	V.D.	...	do.
8	Malakand	...	India v Hull	V.D.	...	Referred to Clinic.
11	Korso	...	Oxelosund ..	Sciatica	...	Attended by Dr. on board.
23	Utklippan II	...	Gefle ...	V.D.	...	Referred to clinic.
23	Ragni	...	Emden ..	V.D. (3 cases)	...	do.
24	Hans Maersk	...	Oxelosund ..	Boils	...	Attended by Dr. on board.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
24	Hans Maersk ...	Oxelosund ...	Inflammation of elbow	Attended by Dr. on board.
24	Persian Coast ...	Coastwise ...	Suspected fracture of ankle ...	do.
27	Gun ...	Hamburg v. Leith ...	V.D. ...	Referred to Clinic.
29	Marietta ...	Takoradi ...	V.D. (2 cases) ..	Treated on board during voyage.
Feby. 10	Paul Bunyan ...	Bremen ...	V.D. (2 cases) ...	Referred to Clinic.
14	Nisse ...	Coastwise ..	Heart trouble ...	Sent home for treatment.
Mar. 10	Wallsend ...	Benisaf ...	V.D. ...	Referred to Clinic.
10	Wallsend ...	Benisaf ...	Septic hand ...	Sent home for treatment.
21	Ben Lomond ...	Bone ...	V.D. (2 cases) ...	Treated on board during voyage.
21	Fogdo ...	Narvik ...	V.D. ...	Referred to Clinic.
21	Letchworth ...	Tunis v Leith	V.D. (2 cases) ...	Treated on board during voyage.
24	Empire Aldgate	Sfax v Leith	V.D. (2 cases) ...	do.
24	Tintern Abbey	Lagoulette v. Leith ...	Septic leg ...	Landed at Methil.
28	Libelle ...	Delfzyl v. Goole ...	Influenza ...	Attended by Dr. on board.
31	Grano ...	Narvik ..	Multiple injuries ...	Died at N.O. Hospital.
31	Crack-shot ...	Benisaf v Lisbon ..	V.D. (2 cases) ...	Referred to Clinic.
31	Uto ...	Narvik ..	V.D. ...	do.
31	Samtampa ...	Bone ..	Ringworm (7 cases)	Treated on board during voyage.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
April 3	Radmanso ...	Narvik ...	Fractured ribs ...	Removed to N.O.Hospital.
April 12	Brika ...	Benisaf ...	Pneumonia ..	Landed at Portland.
21	Fenja ...	Antwerp v. Plymouth ...	Scabies ...	Given treatment at Plymouth.
	Fenja ...	do. ...	Scabies ...	Attended by Dr. on board.
	Clan MacKinley	Cochin v. London ...	Tuberculosis ...	Landed to hospital at London.
	Moldavia ...	Helsingborg ...	Influenza ...	Attended by Dr. on board.
30	Runswick ...	Oran ...	V.D. (2 cases) ...	Treated on board during voyage.
May 3	Utklippan II ...	Oxelosund ...	Inflammation of eye	Attended by Dr. on board.
10	Pinguin ...	Rotterdam v London ...	Stomach trouble	Landed to hospital at London.
16	Hellevoetsluis ...	Coastwise ...	Bronchitis ...	Attended by Dr. on board.
June 2	Fort Ellice ...	Takoradi ...	Broken leg ..	Removed to N.O. Hospital
12	Audun ...	Wismar ...	Paratyphoid ...	Landed to hospital at Hartlepool.
	Audun ...	Wismar ...	Paratyphoid ...	Attended by Dr. on board.
23	Empire Heywood	Pepel ...	V.D. (4 cases) ...	Referred to Clinic.
July 4	Fort Meductic ...	Pepel ...	Kidney trouble ...	Landed to hospital at Durban, S.A.
	Fort Meductic ...	Pepel ..	Malaria (2 cases) ..	Treated on board during voyage.
	Stratten Lea ..	Antwerp ..	Diabetes ...	Died at Antwerp.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
12	Aase Maersk ...	Viborg ...	Head injury ...	Removed to General Hosp.
14	Fort Stager ...	Wabana ...	Fractured arm ...	Attended N.O. Hospital.
17	Niso ...	Helsinki ...	V.D. ...	Landed to Hospital at Abo.
21	Tower Grange ...	Pepel ...	Malaria (2 cases) ...	Removed to N.O. Hospital
Aug. 18	Futurity ...	Coastwise ...	Fractured Jaw ...	Landed to N.O. Hospital.
19	Snar ...	Brahestad ...	V.D. ...	Referred to Clinic.
Sept. 15	Donna Flora ...	Coastwise ...	Fractured ankle ...	Landed to N.O. Hospital.
16	Ardeal ...	Oxelosund ...	Tuberculosis ...	Treated on board by Ship's Doctor.
23	Nicolaos Micholas	Pepel ...	Malaria (6 cases)	Treated on board during voyage.
27	Ardgryfe ...	Bone ...	V.D. ...	do.
29	Umtali ...	So. Africa v. London ...	Chickenpox ...	Removed to West Lane Hospital.
Sept. 29	Fort Vercheres	Haifa v Bone	Ulcerated Stomach	Died on voyage.
Oct. 4	Stream Fisher ...	Belfast ...	Kidney trouble ...	Attended by Dr. on board.
7	Fogdo ...	Oxelosund ...	Fractured leg ...	Landed to General Hosp.
16	Graculus ...	Helsingborg ...	Scabies (2 cases)	Sent to skin clinic for treatment.
	Matiana ...	E. Africa v Antwerp ...	Chickenpox ...	Treated on board by Ship's Doctor.
17	Brightside ...	Antwerp ...	Poisoned leg ...	Attended by Dr. on board.
20	Empire Gladstone	Pepel ...	Malaria (5 cases) ...	Treated on board during voyage.

CASES OF ILLNESS ON BOARD VESSELS—*continued.*

Date	NAME OF VESSEL	Where from	Nature of illness	Remarks.
22	Ljustero ...	Oxelosund ...	Sus. Diphtheria ... (later diagnosed as as septic throat).	Landed to Eston U.D.C. Hospital.
31	Indian Enterprise	Bone ...	Infammation of eye	Attended on board by Dr.
Nov. 1	Broompark ..	Pepel ...	V.D. (5 cases) ...	Referred to Clinic.
3	Pessac ...	Rouen ...	Stomach trouble	Attended on board by Dr.
5	Glenap ...	Far East v. Glasgow	Head injury ..	do.
	Loch Dee ...	Pepel ...	Malaria (3 cases)	Landed to General Hosp.
24	Blairdevon ...	Melilla ..	V.D. (2 cases) ..	Referred to Clinic.
	Blairdevon ...	Melilla ...	Kidney trouble ...	Attended by Dr. on board.
	Borgholm ..	Rouen ..	V.D. ...	Referred to Clinic.
Dec 8	Valewood ...	Takoradi ...	V D. (3 cases) ...	Referred to Clinic.
9	Noemi ...	Sfax v Gibraltar ...	V.D. ...	do.
	Hadrian ..	Oslo ..	Skin infection ...	Attended by Dr. on board.
19	Swan Point ...	Bone v Dover	V.D. ...	Referred to Clinic.
22	Harrow ...	Oxelosund ...	V.D. (7 cases) ...	do.
29	Pass of Branden	Coastwise ...	Influenza ...	Attended on board by Dr.

### FOOD INSPECTION.

Consignments of foodstuffs have been systematically examined during the year. These consisted of wheat, fruit, vegetables, groceries, sugar, oats, syrup and potato flour. They were all found to be in good condition.

(1). It was not found necessary to take any action 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.

(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.

(3). It was not found necessary to take any samples of food for analytical or bacteriological examination during the year.

### STEAM LAUNCH "MERCIE."

This launch had been laid up for several months and it was finally decided in March of this year to dispose of the vessel owing to the extensive repairs which were necessary in order to put the vessel into a sea-worthy condition. A new diesel launch which was ordered in the Autumn of 1946 is expected to be delivered by the builders, Messrs Brook Marine, of Lowestoft, in the Autumn of 1948.









