

[Report 1925] / Medical Officer of Health, Cardiff Port Sanitary Authority.

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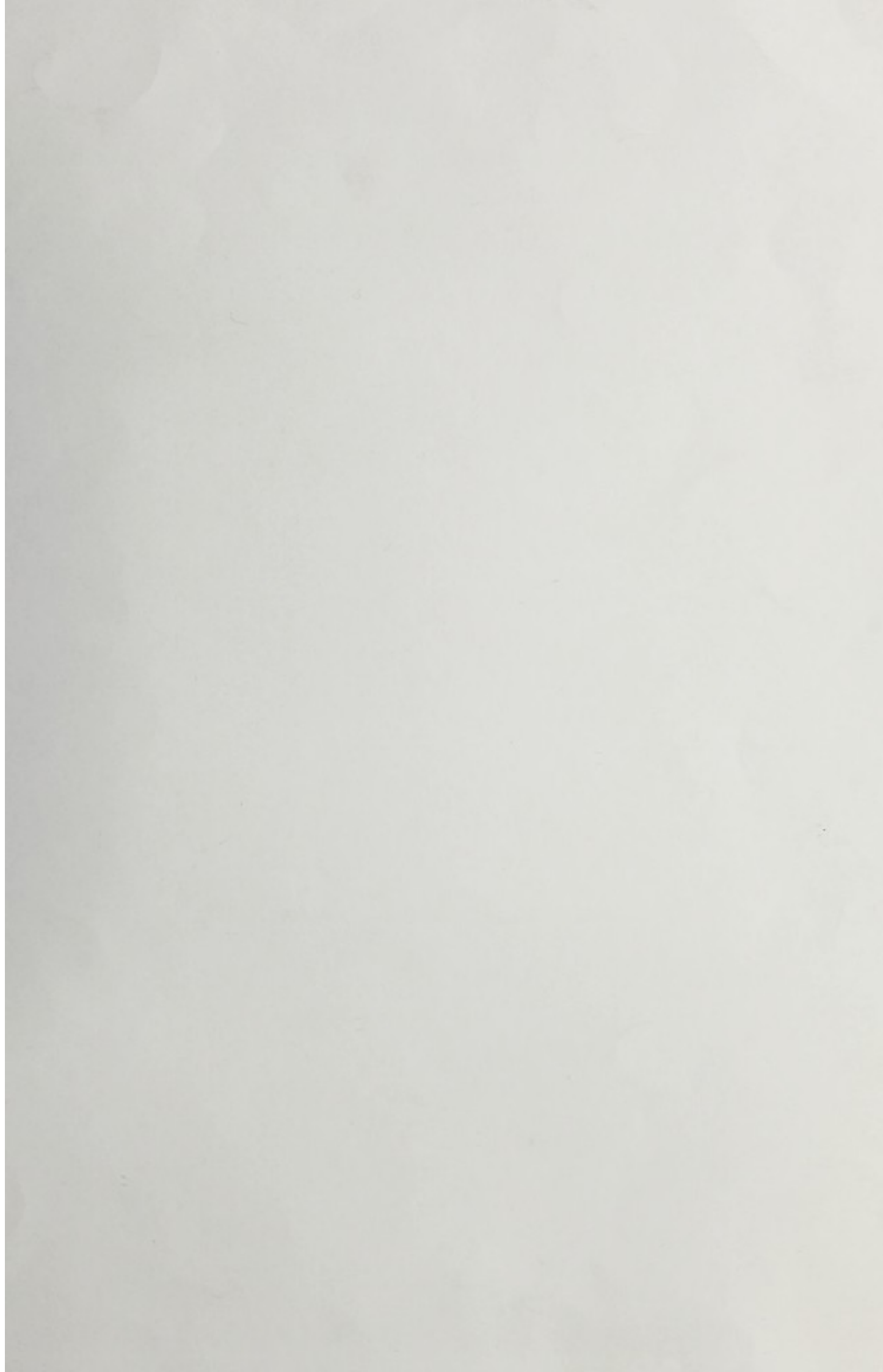
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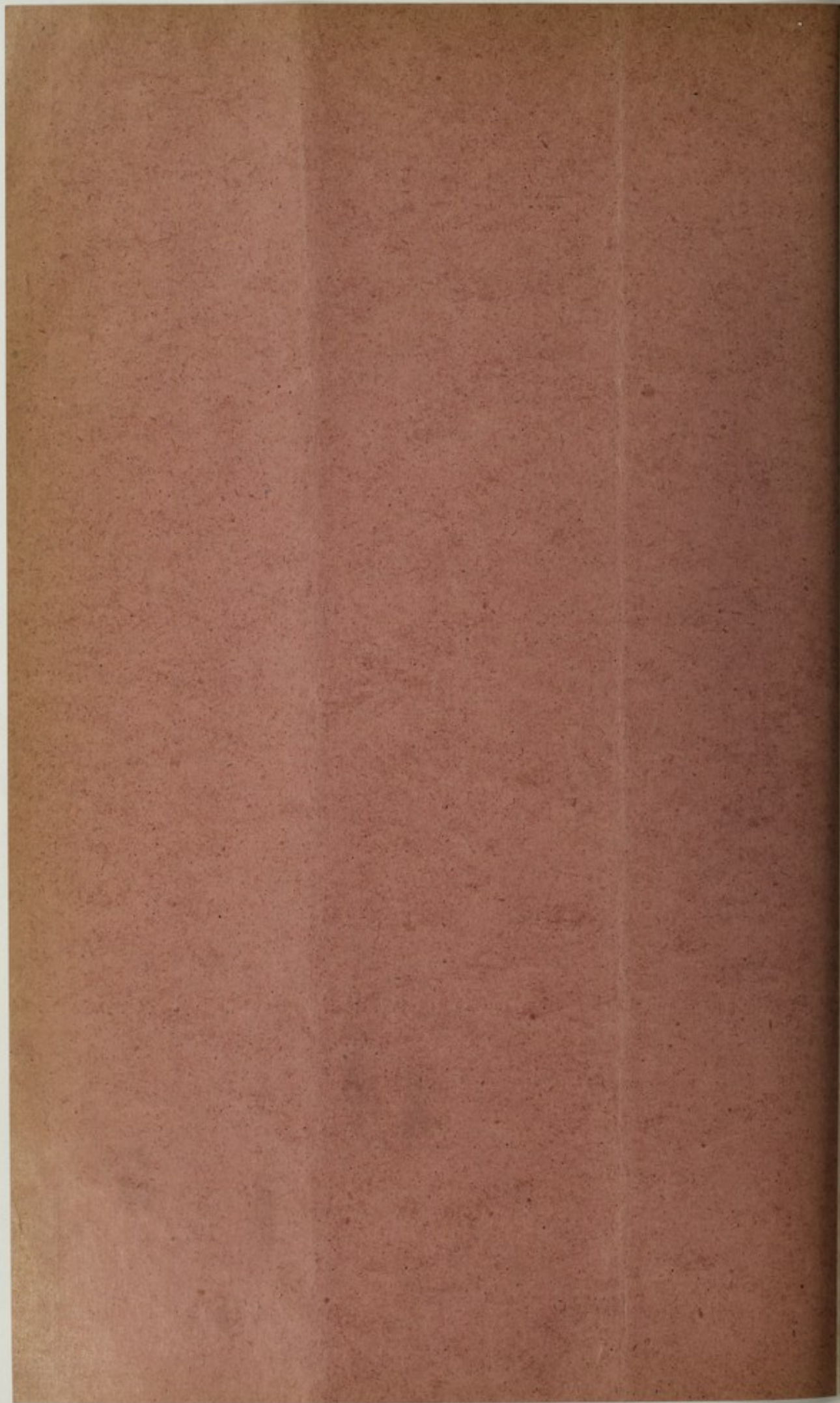


ANNUAL REPORT
OF THE
Medical Officer of Health
FOR THE
CARDIFF PORT SANITARY AUTHORITY
For the Year 1925.

Printed by order of the Sanitary Authority.

CARDIFF :
C. WAKEFORD AND SONS, EAST CANAL WHARF.

1926.





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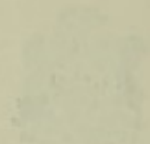
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ANNUAL REPORT

Medical Officer of Health

ANDREW B. HARRIS, M.D.

1901-1902

Printed by the City of New York

1902

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Medical Officer of Health :

RALPH M. F. PICKEN, M.B., Ch.B., B.Sc., D.P.H.

Assistant Medical Officer of Health :

H. SHEASBY, M.B., Ch.B., D.P.H.

Chief Sanitary Inspector, Inspector under D. of A. Acts, Canal Boats Acts, and Imported Food Regulations :

S. J. HOLBOURN, CERTIFICATES ROYAL SANITARY INSTITUTE.

Senior Assistant and Food Inspector :

A. J. E. SCOTT, CERTIFICATES ROYAL SANITARY INSTITUTE.

F. WOOD, Assistant Inspector	-	-	-	CERTIFICATES ROYAL SANITARY INSTITUTE.
J. J. MORGAN „	„	-	-	- CERTIFICATE ROYAL SANITARY INSTITUTE.
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F. HARRIS.

Cardiff Port Sanitary Authority.

PREFACE.

The work of the port sanitary section of the Health Department is directly, and in the most strict sense of the word, preventive. This section exists primarily to prevent the introduction of epidemic diseases from foreign countries. As a secondary consideration it deals with the environment of the seafaring men and with the quality of food brought into the country for human consumption. It treats every arriving vessel as a potential source of danger, and its vigilance cannot be allowed to relax even though years may pass without its having to deal with any cases of the epidemic diseases which are most to be feared; for a long period of immunity carries no guarantee of its continuance.

Plague. The world-wide prevalence of plague is a constant cause of anxiety. Evidence was given in the introduction to last year's Report that this disease may easily be missed as the result of its occurrence in the rat population without human manifestation. During 1925 re-arrangements of the staff were made with the object of devoting more time to inspection of vessels for rat infestation. The results are reflected in the increase in the number of rats caught and submitted to bacteriological examination, and also in the number of vessels disinfected by the only radical method, viz. :—fumigation.

For the fourth year in succession a report by Dr. Jas. J. Simpson on rats and their parasitic fleas is included. The Committee are under a debt of gratitude to Dr. Simpson, and the National Museum of Wales for these valuable records.

Smallpox. Although the port sanitary staff had to exercise close supervision over a number of foreign seamen in connection with a case of smallpox imported from Barry on June 10th, 1925, no case of this disease arrived directly by sea. The prevalence of smallpox in Portuguese, Spanish and North African ports continues and entails special scrutiny of vessels arriving from these parts.

Food inspection. As the importance of this branch of port hygiene depends on the increase or decrease of food imports, and especially of certain articles of diet, a table (No. 17, p. 32) has been introduced with the object of recording from year to year the quantities of various foods arriving. It is not intended to be a complete measure of the work of food inspection as it does not include wheat or fish or any food arriving coastwise. The imports of foreign meat are well maintained. Some alarm was caused toward the end of the year by the presence of arsenic in American apples, and one large consignment had to be dealt with appropriately. It is probable that representations by the importers and the government will have the effect of stopping the contamination of next years' crop. In this connection the work of the Public Analyst, Mr. Hughes, has been of the greatest value to the Authority.

Dangerous Drugs Act, 1920. Only one certificate in terms of this Act was issued during the year, as follows :—

<i>Nationality of Vessel.</i>	<i>Drug.</i>	<i>Quantity.</i>
Greek	Laudanum,	2 ozs.
	Tinct. Chlor. & Morph.	2 ozs.
	Pil. Opii.	3 dozen.

Staff. Chief Inspector David Jenkins retired on 17th June, after 36 years of splendid service under the Authority. As his successor, Mr. S. J. Holbourn, formerly senior assistant, has received well earned promotion, while Inspector A. J. E. Scott now combines the position of senior assistant and food inspector.

General. Cordial relations continue with all the docks departments with whom the Authority's staff come into contact in the pursuance of their functions.

RALPH M. F. PICKEN,

31, Loudoun Square,
Cardiff, 18th March, 1926.

Section 1.

TRAFFIC AT THE PORT.

The following tables give particulars of vessels and tonnage, foreign and coastwise, entering the Cardiff Port Sanitary District, compiled partly from the records of the Department and partly from information kindly supplied to me by H.M. Collector of Customs, and show the number of those inspected, the number found defective, their nationality, etc.

TABLE I.

NUMBER OF VESSELS AND TONNAGE
(Including Penarth).

YEARS	NUMBER OF VESSELS		Total number of vessels foreign and coastwise	TONNAGE		Total tonnage foreign and coastwise inwards
	Foreign	Coastwise		Foreign	Coastwise	
Average						
1901-10	2,741	8,982	11,723	3,206,425	3,072,287	6,278,712
1911-20	3,433	6,823	10,256	3,674,015	3,272,709	6,946,724
1921	1,656	5,042	6,698	2,066,973	1,689,474	3,756,447
1922	2,818	5,356	8,174	3,437,294	2,342,461	5,779,755
1923	3,282	5,026	8,308	3,961,631	2,343,827	6,305,458
1924	3,424	5,145	8,569	3,689,057	2,352,124	6,041,181
1925	3,405	4,686	8,091	3,399,249	1,920,546	5,319,795

TABLE II.

DETAILS OF VESSELS INSPECTED

			No. of arrivals	Tonnage	Number inspected by		Number reported defective	Number of orders issued
					Medical officer	Sanitary inspector		
From foreign	Steamers	..	—	—	85	2,628	585	585
	Sailing	..	—	—	22	291	30	30
	Motor	..	—	—	14	76	8	8
	Fishing	..	—	—	—	406	9	9
	Total from Foreign		3,405	3,399,249	121	3,401	632	632
Coastwise	Steamers	..	—	—	58	2,581	230	230
	Sailing	..	—	—	25	227	10	10
	Motor	..	—	—	5	135	3	3
	Fishing	..	—	—	5	16	—	—
	Total coastwise	..	4,686	1,920,546	93	2,959	243	243
Total foreign and coastwise			8,091	5,319,795	214	6,360	875	875

TABLE III.

Monthly arrivals of vessels from foreign and coastwise dealt with by the department during the year:

Month	From Foreign	Coastwise
January ..	287	301
February ..	263	235
March ..	320	271
April ..	291	214
May ..	334	234
June ..	312	218
July ..	340	273
August ..	236	215
September ..	235	224
October ..	254	223
November ..	286	292
December ..	243	259
TOTALS ..	3,401	2,959

TABLE IV.

Nationality of vessels inspected during the year.

NATIONALITIES	STEAM	SAIL	MOTOR	TOTAL
American ..	24	—	—	24
Argentine	1	—	—	1
Belgian	35	—	—	35
Brazilian	2	—	—	2
British	4,056	278	182	4,516
Chilian	—	1	—	1
Danish	122	1	5	128
Dantzic	2	—	—	2
Dutch	44	—	4	48
Esthonian	2	—	—	2
Finnish	5	—	1	6
French	445	235	8	688
German	87	—	3	90
Greek	100	—	—	100
Hungarian	7	—	—	7
Italian	42	—	—	42
Japanese	9	—	—	9
Jugo Slav	10	—	—	10
Latvian	4	1	—	5
Norwegian	266	2	2	270
Panama	1	—	—	1
Peruvian	3	—	—	3
Portuguese	70	—	6	76
Roumanian	8	—	—	8
Soviet	3	—	—	3
Spanish	191	—	—	191
Swedish	92	—	—	92
TOTAL ..	5,631	518	211	6,360

Tables V. and VI. which follow, show the quantity and nature of goods imported and exported during the year. The position of the coal trade is reflected in a further decline in the exports by about a million and a half tons.

TABLE V.
IMPORTS AND EXPORTS.

Years.	Imports (tons and loads)	Exports (tons)	Total imports & exports (tons)
Average 1911-20	1,879,138	12,372,330	14,251,468
1921	1,043,000	5,912,485	6,955,485
1922	1,561,622	10,659,227	12,220,849
1923	2,183,601	12,610,305	14,793,906
1924	2,141,486	11,367,604	13,509,090
1925	1,940,836	9,798,810	11,739,646

TABLE VI.
PRINCIPAL PORTS AND PLACES TRADING WITH CARDIFF, AND NATURE OF TRADE.

Port or place	Imports.	Port or place.	Exports.
Spain ..	Iron ore, pitwood, wine, onions and fruit.	All countries and local ports.	Coal.
France ..	Pitwood, potatoes, wine, apples, onions and canned goods.		Coke.
Canada ..	Grain, flour, fruit, dairy produce, canned goods, sugar, timber and cattle.		Patent fuel.
U.S. America ..	Grain, flour, fruit, dairy produce and canned goods.		Flour.
Australia ..	Grain, frozen meat, canned goods and dairy produce.		Iron and steel rails and ironwork.
Ireland ..	Grain, pitwood, potatoes, canned goods, stout, dairy produce and burnt ore.		General merchandise.
Local ports ..	Grain, flour, canned goods, dairy produce, burnt ore and pitch.		
North Africa ..	Iron ore.		
Baltic ports ..	Timber.		
Portugal ..	Pitwood, fruit and wine.		
River Plate ..	Frozen meat and grain.		

Section 2.

PREVENTION OF INFECTIOUS DISEASES. The tables in this section show, in accordance with the requirements of the Ministry of Health, the occurrence of cases of sickness of all kinds on board ships, arriving or otherwise, dealt with by the port sanitary staff, as well as those which definitely fall in the category of infections.

These cases are reported to the inspectors who board every vessel arriving. Warning messages are sometimes received from Lloyd's signal stations at Barry Island and Penarth, but there is no arrangement for receiving wireless intimations of approaching infectious disease. The nearest receiving station for wireless messages is Milford Haven, over one hundred miles distant.

Enquiries have been made as to the number of vessels carrying wireless installations, and these are shown in the following table:—

TABLE VII.

From foreign with wireless installations—			From foreign without wireless installations—		
December, 1925	..	159	December, 1925	..	108
January, 1926	..	172	January, 1926	..	126
February, 1926	..	155	February, 1926	..	112
Coastwise with wireless installations—			Coastwise without wireless installations—		
December, 1925	..	3	December, 1925	..	53
January, 1926	..	8	January, 1926	..	60
February, 1926	..	6	February, 1926	..	65

NOTE.—These figures do not include vessels under 500 tons N.R.T.

TABLE VIII.
NOTIFIABLE INFECTIOUS DISEASES SINCE 1916.

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
Chicken pox ..	—	—	—	—	—	—	—	—	1	—
Continued fever ..	—	—	—	—	2	2	—	—	—	—
Diphtheria ..	2	7	—	7	4	—	2	3	3	—
Dysentery ..	—	—	—	1	2	4	6	3	1	2
Erysipelas ..	3	8	—	3	5	1	3	5	—	3
Malaria ..	—	—	—	8	14	21	26	10	25	12
Measles ..	4	3	2	1	—	—	—	—	—	—
Pneumonia, ..										
Influenzal ..	—	—	—	14	5	3	5	—	—	—
" Primary ..	—	—	—	6	21	8	4	8	11	7
Relapsing fever ..	—	—	—	—	1	—	—	—	—	—
Scarlet fever ..	1	1	—	4	—	—	—	1	—	1
Smallpox ..	—	—	—	—	1	—	1	1	—	—
Tuberculosis ..	22	27	12	15	14	22	15	13	5	4
Typhoid fever ..	7	10	26	19	8	3	9	8	3	6
Totals ..	39	56	40	78	77	64	71	52	49	35

Two cases of measles and two cases of chicken pox were dealt with, bringing the total of strictly port cases for the year to 39.

In addition to the 39 cases recorded above, a number of seafaring men suffering from infectious diseases were dealt with by the port sanitary staff, who were ascertained after enquiry to fall properly within the province of urban administration. The following cases were referred for this reason to their respective districts.

TABLE IX.

CARDIFF CITY.		BARRY		SWANSEA (PORT TALBOT).	
Diphtheria ..	1	Malaria ..	1	Tuberculosis ..	1
Dysentery ..	1	Pneumonia ..	1		
Erysipelas ..	1	Tuberculosis ..	1		
Malaria ..	5	Typhoid Fever ..	1		
Pneumonia ..	3				
Smallpox ..	1				
Tuberculosis ..	6				
TOTAL	18	TOTAL	4	TOTAL	1

TABLE X. (a)

DETAILS OF CASES OF NOTIFIABLE INFECTIOUS DISEASES.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
Jan. 15	s.s. "Nuddea" (British)	Australia <i>via</i> Dunkirk and Hull (Paratyphoid fever)	A member of crew (native) suffering from paratyphoid fever and sent to hospital at Dunkirk. Vessel fumigated at Hull.
" 23	s.s. "Grelwen" (British)	Durban <i>via</i> River Plate and Antwerp (Dysentery)	A sailor sent to hospital at Durban, suffering from dysentery.
" 27	s.s. "Dromore Castle" (British)	Karachi <i>via</i> Suez and Dunkirk (Dysentery)	An assistant steward sent to hospital at Suez, suffering from dysentery.
Feb. 2	s.s. "Corstream" (British)	Portsmouth (Pneumonia)	A sailor removed to the Seamen's Hospital on arrival
" 4	s.s. "Betwa" (British)	Pensacola <i>via</i> Hamburg (Pneumonia)	A sailor medically attended on arrival and removed to the Seamen's Hospital.
" 23	s.f. "Mikasa" (British)	Fishing Grounds (Pneumonia)	A sailor admitted to the Seamen's Hospital on arrival
" 26	s.s. "Notanda" (British)	Odessa <i>via</i> Hamburg (Malaria)	A sailor medically attended on arrival and removed to the Seamen's Hospital.
" 29	s.s. "Srebreno" (Jugo Slav)	Hornillo (Erysipelas)	A sailor medically attended and removed to the Isolation Hospital.
April 14	s.s. "Pengreep" (British)	Rotterdam <i>via</i> Dartmouth (Pneumonia)	The 3rd engineer sent to hospital at Dartmouth.
" 15	s.s. "Rochdale" (British)	Alexandria (Dysentery)	The wireless operator medically attended on arrival and removed to Seamen's Hospital.
" 23	s.s. "Pakipaki" (British)	Bordeaux (Tuberculosis)	An apprentice medically attended on arrival and allowed to proceed to his home at Neath. Medical Officer of Health notified
" 24	s.s. "Maid of Syra" (British)	Salonica (Tuberculosis)	A fireman medically attended and removed to the Seamen's Hospital on arrival.
" 28	s.s. "Moorby" (British)	Sfax <i>via</i> Paimboeuf (Tuberculosis)	A fireman sent to hospital on arrival at Paimboeuf.
" 28	s.s. "Danefelt" (Danish)	Rufisque <i>via</i> Bordeaux (Malaria)	The second officer medically attended on arrival and allowed to proceed home to Denmark.
" 29	s.s. "Penhale" (British)	Rosario <i>via</i> Gibraltar and Trieste (Dysentery)	A sailor medically attended at Gibraltar. Apparently well upon being medically examined on arrival.
May 8	s.s. "Maid of Psara" (British)	Fiume <i>via</i> Algiers (Tuberculosis)	A fireman sent to hospital at Fiume.
" 9	s.s. "Madge Llewellyn" (British)	Seville <i>via</i> Manchester (Paratyphoid fever)	An ordinary seaman medically attended on arrival and removed to the Isolation Hospital.
" 22	s.s. "Romney" (British)	Buenos Aires, St. Vincent, C.V. and London (Paratyphoid fever)	A sailor sent to hospital at St. Vincent. Fumigation carried out at London.

TABLE X. (a)—continued.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
May 30	s.s. "Rivafrie" (French)	Havre (Erysipelas)	A sailor admitted to the Seaman's Hospital and transferred to Isolation Hospital.
June 3	s.s. "Rajput" (British)	Greenock (Malaria)	A sailor (native) medically treated on board and sailed in the ship
" 20	s.s. "Aldersgate" (British)	Bangkok <i>via</i> Antwerp and London	A sailor sent to hospital at Bangkok where he died.
" 21	s.s. "Millgate" (British)	Valencia <i>via</i> Gibraltar and Manchester (Malaria and pneumonia)	The 2nd engineer removed to the Seamen's Hospital on arrival, subsequently developing pneumonia; died.
July 2	s.s. "Treneglos" (British)	Delagoa Bay <i>via</i> Dunkirk (Paratyphoid fever)	An apprentice sent to hospital at Delagoa Bay.
" 5	s.s. "Capitaine Augustin" (French)	Bizerta <i>via</i> Oran (Typhoid fever)	A steward medically attended on arrival and removed to the Isolation Hospital. Berth and effects disinfected.
" 9	s.s. "Polcevera" (British)	Antwerp (Pneumonia)	A sailor sent to the Seamen's Hospital.
Aug. 13	s.s. "Arraiz" (Spanish)	Hornillo <i>via</i> Newport (Typhoid fever)	The second officer medically attended on arrival and removed to the Isolation Hospital. Berth and effects disinfected.
" 20	s.s. "Arraiz" (Spanish)	Hornillo <i>via</i> Newport (Typhoid fever)	A fireman medically attended and removed to the Isolation Hospital.
" 23	s.s. "Ryvarden" (Norwegian)	Bordeaux (Pneumonia)	A sailor medically attended and removed to the Seamen's Hospital.
Sept. 4	s.s. "New Georgia" (British)	Dartmouth (Tuberculosis)	The third officer medically attended on arrival and removed to Glan Ely Tuberculosis Hospital.
" 4	s.s. "Alf" (Norwegian)	Gambia, Las Palmas and Marseilles <i>via</i> Falmouth (Malaria)	Several members of crew suffered during voyage and one man left in hospital at Las Palmas.
" 6	s.f. "Asama" (British)	Fishing Grounds (Erysipelas)	The wireless operator medically attended at the Seamen's Hospital on arrival and removed to the Isolation Hospital.
" 17	s.s. "Willesden" (British)	Norfolk Va., <i>via</i> Alexandria & Hamburg (Tuberculosis)	A fireman sent to hospital at Norfolk Va.
" 20	s.s. "Indian Transport" (British)	Rosario <i>via</i> Las Palmas and Rotterdam (Malaria)	The cook medically attended on arrival and removed to the Seamen's Hospital.
Oct. 1	s.s. "Canadian Leader" (British)	Montreal <i>via</i> Quebec (Scarlet fever)	A fireman medically attended on arrival and removed to the Isolation Hospital. Berth and effects disinfected.
" 5	s.s. "Treneglos" (British)	Port Said, Novorossisk <i>via</i> Oran and Hamburg (Pneumonia)	A fireman sent to hospital at Port Said.

TABLE X (a)—continued.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
Oct. 5	s.s. "City of Alexandria" (British)	Durban <i>via</i> Avonmouth (Pneumonia)	A fireman sent to hospital at Avonmouth.
" 16	s.s. "Penmount" (British)	Lagos <i>via</i> Las Palmas and Bremen (Malaria)	Three sailors treated on board on passage, and one left in hospital at Bremen.
" 17	s.s. "Valdura" (British)	Sourabaya <i>via</i> Port Said & Boulogne (Smallpox)	A fireman sent to hospital at Sourabaya. All members of crew vaccinated at that Port and quarters and effects disinfected.
Nov. 10	s.s. "Kristin" (Norwegian)	Trangsund <i>via</i> Antwerp (Paratyphoid fever)	A sailor had been medically attended at Antwerp. Medically attended on arrival and removed to the Seamen's Hospital. He subsequently developed paratyphoid fever.
" 10	"Albatross" (French)	Brest (Typhoid fever)	The master came on shore from Cardiff Roads, after the vessel had sailed, and went to the Seamen's Hospital. He subsequently developed typhoid fever.
" 10	s.s. "Egham" (British)	Berdiansk <i>via</i> Southampton and Avonmouth (Malaria)	A sailor sent to the Seamen's Hospital.
" 11	s.s. "Electrician" (British)	Liverpool (Malaria)	A sailor who joined ship at Liverpool, being medically treated on board.
Dec. 2	s.s. "Wooburn" (British)	Constantinople <i>via</i> Gibraltar and Avonmouth (Pneumonia)	The donkeyman sent to hospital at Constantinople.
" 2	s.s. "Heathside" (British)	Alexandria <i>via</i> Avonmouth (Dysentery)	The 2nd officer medically attended at Avonmouth. Convalescent on arrival here and allowed to proceed to his home at Sunderland. Medical Officer of Health notified.
" 3	s.s. "Trident" (British)	Durban, Bombay <i>via</i> Avonmouth and Dunkirk (Tuberculosis and Malaria)	A sailor sent to hospital at Durban (Tuberculosis). Several members of the crew suffered from malaria after leaving Bombay. The donkeyman and one fireman sent to hospital at Avonmouth. Medically inspected on arrival at this port, and two firemen sent to the Seamen's Hospital suffering from malaria.
" 5	s.s. "Snefond" (Norwegian)	Rufisque <i>via</i> Rotterdam (Malaria)	Four members of crew sent to hospital at Rotterdam.
" 7	s.s. "Bertha" (Norwegian)	Rufisque <i>via</i> Vigo and Liverpool (Malaria)	The cook and one fireman medically attended on arrival and removed to the Seamen's Hospital.
" 10	s.s. "Vega" (Danish)	Dakar <i>via</i> Bordeaux (Malaria)	A sailor left in hospital at Dakar.
" 12	s.s. "Trident" (British)	Durban, Bombay <i>via</i> Avonmouth and Dunkirk (Malaria)	A sailor being medically treated on board.
" 14	s.s. "P.L.M. 22" (French)	Port Said (Tuberculosis)	The cook medically treated on board. He was subsequently allowed to proceed to his home in France.

TABLE X (a)—*continued*.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
Dec 17	s.s. "Waziristan" (British)	Portland, Oregon <i>via</i> Belfast (Typhoid fever)	The officers' boy sent to hospital at Belfast. Berth and effects disinfected there.
" 23	s.s. "Foyle" (British)	Antwerp (Pneumonia)	A fireman medically attended on arrival and removed to the Seamen's Hospital.
" 26	s.s. "Rita Sister" (Spanish)	Almeria <i>via</i> Bristol (Pneumonia)	A fireman sent to hospital at Bristol.

TABLE X. (b).

DETAILS OF CASES OF NON-NOTIFIABLE DISEASES.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
Jan. 6	s.s. "Knaresbro" (British)	Antwerp (Gastritis)	The second officer medically attended suffering from slight gastritis.
" 7	s.s. "Christel Salling" (German)	Santander (Rheumatism)	A sailor medically attended on arrival and sent to his home in Germany.
" 11	s.s. "Southborough" (British)	Hull (Bronchitis)	A sailor medically treated whilst at Hull.
" 11	s.s. "Maid of Andros" (British)	Brake (Rheumatism)	A messroom boy under medical treatment at Brake. Sent to the Seamen's Hospital at Cardiff.
" 11	s.s. "Suncliff" (British)	Port Sudan <i>via</i> Suez Port Said and Hamburg (Beri beri and venereal disease)	Three firemen sent to hospital at Port Sudan (beri beri). A sailor sent to hospital at Port Said (venereal disease) and an assistant steward sent to the Seamen's Hospital for treatment (venereal disease) at this port.
" 12	s.s. "Westmoreland" (British)	Liverpool (Heart disease)	The donkeyman sent to the Seamen's Hospital at this port.
" 12	s.s. "Wheatplain" (British)	Boulogne (Hernia)	A fireman medically treated on arrival and sent to his home.
" 12	s.s. "Sheridan" (Portuguese)	Lisbon (Gonorrhœa)	A fireman medically attended and sent to the Seamen's Hospital.
" 14	s.s. "Hillglen" (British)	— — — (Gastritis)	A fireman admitted to the Seamen's Hospital from a boarding house having left ship at Newport.
" 14	s.s. "Dagrun" (Norwegian)	Bristol (Influenza)	The master medically treated on board.
" 15	s.s. "Birgit" (Danish)	Copenhagen (Rheumatism)	The master medically treated on board.
" 16	s.s. "Odin" (German)	Plymouth (Gastritis)	A fireman medically treated on board suffering from slight gastritis.
" 17	s.s. "Esles" (Spanish)	Troon (Tonsillitis)	A sailor medically attended on arrival here.

TABLE X. (b)—continued.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
Jan. 17	s.s. "Hannington (British) Court"	Hull (Rheumatism)	A deck boy sent to the Seamen's Hospital on arrival at this port.
" 21	s.s. "Mourao" (Portuguese)	Oporto (Bronchitis)	The master medically treated on board.
" 23	s.s. "Gibel Haman" (British)	Bristol (Quinsy)	The master under medical treatment at Bristol also on arrival at this port.
" 25	s.s. "Domingo de Larrinaga" (Spanish)	Liverpool (Orchitis)	A fireman sent to the Seamen's Hospital on arrival.
" 31	s.s. "Blenda" (Norwegian)	Manchester (Lung trouble)	The second engineer removed to the Seamen's Hospital.
" 31	s.s. "Poleric" (British)	Rotterdam (Colds)	The master and several members of crew medically attended on arrival.
Feb. 2	s.s. "Greta" (Norwegian)	Rouen (Cold)	A sailor medically attended on board.
" 2	s.s. "Student" (British)	Glasgow (Phlebitis)	The master medically attended on board and sent to his home at Liverpool.
" 3	s.s. "Atlanticos" (Greek)	London (Colds)	Two sailors medically attended on board.
" 4	s.s. "Sheafwater" (British)	Antwerp (Bronchitis)	The boatswain medically treated on board and sent to his home.
" 4	s.s. "Cheshire Coast" (British)	Bristol (Rheumatism)	A sailor medically treated on board on arrival.
" 4	s.s. "Greta" (Norwegian)	Rouen (Appendicitis)	A sailor removed to the Seamen's Hospital.
" 4	s.s. "Berta" (Italian)	Havre (Hernia)	The chief engineer medically treated on board.
" 5	s.s. "Freden" (Norwegian)	Bayonne (Influenza)	The master medically attended and treated on board.
" 5	s.s. "P.L.M. 20" (French)	Marseilles (Bronchitis and appendicitis)	A fireman (bronchitis) and a fireman (appendicitis) removed to the Seamen's Hospital.
" 6	s.s. "Elva Seed" (British)	Maryport (Venereal disease)	A sailor suffering from venereal disease. Hospital treatment recommended.
" 8	s.s. "Calluna" (Belgian)	Dieppe (Hernia)	A sailor medically treated on board.
" 10	s.s. "Fellside" (British)	Oslo (Influenza)	The steward medically attended at Oslo, also on arrival at this port.
" 10	s.s. "Berta" (Italian)	Havre (Appendicitis)	The donkeyman removed to the Seamen's Hospital.
" 12	s.s. "Elwy" (British)	Killough (Influenza)	A sailor medically attended on arrival.
" 12	s.s. "Randwijk" (Dutch)	Rotterdam (Venereal disease)	A sailor and the donkeyman suffering from venereal disease. Hospital treatment recommended.

TABLE X. (b)—continued.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
Feb. 14	s.s. "Thornbury" (British)	Casablanca (Thrombosis)	The master medically treated on board.
" 14	s.s. "Henry Tegner" (Danish)	Dartmouth (Cold)	A sailor medically treated on board.
" 16	s.s. "Karamea" (British)	Barrow-in-Furness (Cold)	A fireman medically attended and treated on board.
" 17	s.s. "Esles" (Spanish)	Bilbao (Cold)	A fireman medically attended and treated on board.
" 22	s.s. "Figaro" (Norwegian)	Bordeaux (Bronchitis)	A fireman medically attended at Bordeaux also on arrival at this port.
" 23	s.s. "Cape Cross" (British)	Dunkirk (Rheumatism)	A quartermaster medically attended at Dunkirk also on arrival at this port.
" 27	s.s. "Braa" (Norwegian)	Newport (Influenza)	Five members of crew medically attended on arrival and removed to the Seamen's Hospital.
Mar. 1	s.s. "Ryburn" (British)	Marseilles (Cold)	A sailor under medical treatment whilst at Marseilles.
" 2	s.s. "Matronna" (Greek)	London (Influenza)	The second officer medically attended on arrival.
" 2	s.s. "Indra" (German)	Bordeaux (Appendicitis)	A fireman medically attended on arrival and removed to the Seamen's Hospital.
" 6	s.s. "Depute Pierre Goujon" (French)	Bordeaux (Pleurisy)	A fireman medically attended and removed to the Seamen's Hospital.
" 9	s.s. "Perdita" (British)	Liverpool (Varicose Veins)	The master medically treated whilst in port.
" 11	s.s. "Assimacos" (Greek)	Antwerp (Measles)	The wireless operator taken sick on passage from Antwerp and removed to the Isolation Hospital on arrival. Berth disinfected.
" 16	s.s. "Fengarth" (British)	Rotterdam (Rheumatism and lumbago)	Two firemen left in hospital at Rotterdam suffering from rheumatism and lumbago respectively.
" 20	s.s. "Carcavellos" (Portuguese)	Lisbon (Influenza)	The steward medically attended on arrival.
" 21	"Maria Regina" (French)	La Trinite (Rheumatism)	The master medically treated on board.
" 21	s.s. "Portgwarra" (British)	Dunkirk (Hernia)	A fireman left in hospital at Dunkirk.
" 27	s.s. "Rosedon" (British)	Newcastle (Cold)	A fireman medically treated on board.
April 4	s.s. "Faust" (German)	Bristol (Influenza)	The master medically attended at Bristol and on arrival here.
" 7	s.s. "Convallaria" (Swedish)	Manchester (Cold)	The wireless operator medically attended on arrival.

TABLE X (b)—continued.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
April 7	s.s. "J. Duncan" (British)	Lisbon (Influenza)	A sailor under medical treatment whilst at Lisbon.
" 11	s.s. "Orbe" (Spanish)	Garston (Bronchitis)	A fireman sent to hospital at Garston.
" 14	s.s. "Macon" (French)	Caen (Syncope)	An engineer collapsed and died just after arrival. Inquest held.
" 17	s.s. "P.L.M. 22" (French)	Marseilles (Cold)	The steward medically attended on arrival.
" 18	s.s. "Indianola" (British)	Passages (Venereal disease)	A fireman suffering from venereal disease. Hospital treatment recommended.
" 19	"John Morrison" (British)	Wicklow (Lumbago)	The mate medically attended on board and sent to the Seamen's Hospital.
" 22	s.s. "Citta Di Elena" (Italian)	Newport (Influenza)	The cook medically attended on arrival.
" 23	s.s. "Bergsdalen" (Norwegian)	Passages <i>via</i> Brest (Heart disease)	On passage to Cardiff a sailor was landed and sent to hospital at Brest where he died.
" 24	s.s. "Estoril" (Portuguese)	Lisbon (Adenitis)	The master removed to a nursing home for treatment.
" 25	s.s. "Zurriola" (Spanish)	Bilbao (Pleurisy)	A sailor medically treated on arrival and removed to the Seamen's Hospital.
" 29	s.s. "Foresthill" (British)	Dantzic (Inflammation of throat)	A fireman medically attended and removed to hospital at Dantzic.
" 29	s.s. "Felicia" (Swedish)	Valencia <i>via</i> Liverpool	The cook medically treated whilst at Valencia. Now convalescent.
May 1	s.s. "Mourao" (Portuguese)	Oporto (Tonsilitis)	A sailor medically treated on board.
" 2	s.s. "Gibel Haman" (British)	Valencia and Bristol (Influenza)	An apprentice sent to hospital at Valencia.
" 2	s.s. "Tregenna" (British)	Antwerp (Venereal disease)	A fireman suffering from venereal disease. Hospital treatment recommended.
" 4	s.s. "Bryntawe" (British)	Algiers (Hernia)	A fireman sent to hospital at Algiers.
" 5	s.s. "Min" (British)	Eastern Ports <i>via</i> Hamburg (Apoplexy)	A fireman taken ill and buried at sea on passage to Hamburg.
" 20	s.s. "Daphne" (Greek)	Piraeus <i>via</i> Algiers (Hernia)	The second engineer sent to hospital at Piraeus.
" 20	s.s. "Reinunga" (Norwegian)	Dublin (Influenza)	The first officer medically attended at Dublin also on arrival at this port.
" 21	s.s. "Tohkoh Maru" (Japanese)	Liverpool (Orchitis)	A fireman sent to the Seamen's Hospital.

TABLE X. (b)—continued.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
May 21	s.s. "Munin" (Norwegian)	Bordeaux (Chicken pox)	A fireman sent to the Seamen's Hospital, subsequently removed to Isolation Hospital.
" 21	s.s. "Sardinero" (Spanish)	Maryport (Mental trouble)	A sailor medically attended on arrival and subsequently sent home to Spain.
" 26	s.s. "Jalarashmi" (British)	Dunkirk (Colds)	Two members of crew treated on board by ship's doctor.
" 26	s.s. "Sabina" (Spanish)	Newport (Rheumatism)	The cook medically attended on arrival.
" 31	s.s. "Rotenfels" (British)	Aden <i>via</i> Antwerp (Chicken pox)	A sailor sent to hospital at Aden. Disinfection at that port.
June 3	s.s. "Rajput" (British)	Greenock (Mumps)	Five members of crew (native) medically attended and treated on board.
" 4	s.s. "Tioga" (British)	Avonmouth (Neuritis)	The master medically attended and treated on board.
" 6	mtr. "Meirion Lass" (British)	— — — (Heart failure)	Whilst vessel lying in dock the master taken suddenly ill and died. Inquest held.
" 13	s.s. "Nykaar" (Norwegian)	Manchester (Rheumatism)	A fireman sent to hospital at Manchester.
" 15	s.s. "Kapolna" (Norwegian)	Bordeaux (Alcoholic poisoning)	The master medically attended on arrival.
" 19	s.s. "Pinhel" (Portuguese)	Lisbon (Rheumatism)	The steward sent to Seamen's Hospital.
July 1	s.s. "Sado" (Portuguese)	Oporto (Rheumatism)	The master medically attended and treated on board.
" 3	s.s. "Canadian Mariner" (British)	Quebec (Kidney disease)	The third engineer medically attended on arrival and removed to the Seamen's Hospital.
" 13	s.s. "Trewyn" (British)	Sabang <i>via</i> Port Said, Marseilles and Antwerp (Kidney trouble, dengue fever, scabies and venereal disease)	The third engineer medically treated on board (kidney trouble). One fireman and the donkeyman suffered from dengue fever and on arrival at Port Said the donkeyman sent to hospital. Also the messroom boy treated on board (scabies) and a fireman sent to hospital at Antwerp (venereal disease).
" 29	s.s. "Wooburn" (British)	Bilbao (Pyelitis)	An apprentice sent to Seamen's Hospital.
" 30	s.s. "Arsa" (Italian)	Teneriffe <i>via</i> Falmouth (Bronchitis)	A fireman medically attended and treated on board.
Aug. 2	s.s. "Jerseydene" (British)	Lochtudy (Bronchitis)	A fireman sent to the Seamen's Hospital.
" 20	s.s. "Campus" (British)	Huelva (Venereal disease)	A sailor suffering from venereal disease. Hospital treatment recommended.
" 24	s.f. "Chiyo" (British)	Fishing Grounds (Syncope)	A deck hand died suddenly at sea. Removed to mortuary on arrival. Inquest held.

TABLE X (b)—continued.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
Aug. 29	s.s. "Maria M. Diacakis" (Greek)	Manchester (Orchitis)	The boatswain medically attended and sent to the Seamen's Hospital.
Sept. 7	s.s. "Letty" (British)	Roscoff (Diarrhoea)	The master medically attended on arrival.
" 10	s.s. "Jerseymoore" (British)	Antwerp (Cancer in tongue)	A fireman medically attended and proceeded to his home at Tyne Dock.
Oct. 4	s.s. "Graslin" (French)	Bordeaux (Appendicitis)	The 3rd engineer medically attended and removed to the Seamen's Hospital.
" 5	s.s. "Polmina" (British)	Arcachon (Pleurisy)	A sailor medically attended and removed to the Seamen's Hospital.
" 9	s.s. "Tempo" (British)	Havre (Cold)	A fireman medically attended on arrival.
" 17	s.s. "Valdura" (British)	Madras, Calcutta, Sourabaya via Port Said and Boulogne (Diabetes, dengue fever and cerebral thrombosis)	The donkeyman sent to hospital at Madras (diabetes.) At Calcutta three firemen sent to hospital (dengue fever). The master also sent to hospital (cerebral thrombosis). All well on arrival at this port.
" 23	s.s. "Ungheria" (Italian)	Antwerp (Cold)	A fireman medically treated on board.
Nov. 2	s.s. "Hop" (Norwegian)	Havre (Gastritis)	A fireman medically attended and removed to the Seamen's Hospital.
" 2	s.s. "Fidicula" (Italian)	Southampton (Heart failure)	The second engineer died suddenly whilst at Southampton.
" 4	s.s. "Evviva" (Norwegian)	Onega via Preston (Chicken pox)	The second officer isolated and medically treated on board.
" 4	s.s. "Stratis" (Greek)	Leghorn (Orchitis)	The boatswain medically attended and sent to the Seamen's Hospital.
" 10	s.s. "Christel Salling" (German)	Archangel (Rheumatism)	A sailor medically treated on board.
" 12	s.s. "Uromi" (British)	Antwerp (Anaemia)	A fireman medically treated on board.
" 16	s.s. "Breconian" (British)	Hull (Influenza)	The second engineer medically attended on arrival and proceeded to his home.
" 21	s.s. "Guernica" (Spanish)	Bilbao (Cold)	A fireman medically attended on arrival.
" 26	s.s. "Dalegarth" (British)	Bilbao (Diarrhoea)	A sailor sent to Seamen's Hospital.
" 27	s.s. "Nerbudda" (British)	Avonmouth (Jaundice)	A serang (native) suffering from jaundice and being medically attended by ship's doctor.
" 30	s.s. "Asborg" (Norwegian)	Bristol (Rheumatism)	A sailor sent to hospital at Bristol.

TABLE X. (b)—*continued*.

Date 1925	Name of ship and nationality	Where from and nature of sickness	General particulars
Nov. 30	s.s. "Lady Charlotte" (British)	Hull (Cerebral hæmorrhage)	The master died suddenly on passage from Hull. Inquest held.
Dec. 3	s.s. "Lady Rhondda" (British)	Lisbon (Cold)	The first engineer medically attended at Lisbon.
" 7	s.s. "General Milne" (British)	Constantinople <i>via</i> Antwerp (Jaundice)	The second engineer sent to hospital at Constantinople.
" 10	s.s. "Silverbrook" (British)	Ghent (Bronchitis)	A sailor medically attended on arrival.
" 13	s.s. "Penrose" (British)	Hamburg (Gonorrhœa)	The second officer, third engineer and carpenter suffering from gonorrhœa. Hospital treatment recommended.
" 14	s.s. "P.L.M. 22" (French)	Port Said (Hepatitis)	A sailor medically attended and sent to the Seamen's Hospital.
" 17	s.s. "Trumf" (Swedish)	Sandvik <i>via</i> Sharpness (Venereal disease)	A fireman sent to the Seamen's Hospital on arrival at this port.
" 22	s.s. "Freya" (Danish)	Windau (Orchitis)	A sailor medically attended and sent to the Seamen's Hospital.
" 29	s.s. "Emilie Delmas" (French)	Havre (Gonorrhœa)	A sailor medically attended and sent to the Seamen's Hospital.

PRECAUTIONS AGAINST CHOLERA, PLAGUE AND YELLOW FEVER.—No vessel required to be dealt with in accordance with the regulations of the Local Government Board of the 9th September, 1907.

At the suggestion of the Ministry of Health an important conference was held at Bristol on October 6th, 1925, with the port sanitary authorities of that city, Newport, Barry, Gloucester and Cardiff, at which the advisability of forming a single authority for the upper channel ports and the measures which might have to be taken against plague were under consideration. It was unanimously decided that a common authority would be unworkable, uneconomical and confusing, but the conference served a useful purpose in bringing to the front certain grave difficulties which might arise in the unloading of plague-infected vessels. These difficulties are receiving the serious attention of the Department.

HOSPITAL ACCOMMODATION.—The hospital at Flat Holm Island, where accommodation is provided for sixteen patients suffering from cholera, yellow fever or plague, and for staff, administration, cremation, etc., has not been in use during the year. It has, however, been kept in good order and readiness for use in any emergency.

RATS AND MICE (DESTRUCTION) ACT, 1919.—Continuous inspection was made and measures taken on and round the docks, premises, lands, etc., during the year under the Rats and Mice (Destruction) Act, 1919, and as the result of baiting with poisons, 7,141 rats and 1,772 mice were found dead. During the year the rat-catcher was engaged on 45 vessels and on 52 occasions in warehouses on the docks and the total number of rats caught and subsequently destroyed amounted to 3,106 and mice 13. Twenty-six vessels were fumigated and six vessels treated with poison baits (not included above).

Thirteen notices were served and 31 letters were sent to masters of vessels under the above Act.

The bacteriologist (Dr. Parry Morgan) examined 262 rats caught on vessels or in warehouses for evidence of plague, the result being negative in each case; while 283 rats were examined for classification and for the purpose of identification of the fleas infesting them, by Dr. Jas. J. Simpson, Keeper of Zoology, Welsh National Museum, whose report is included in this Section.

Enquiries are made on board every vessel arriving as to the presence of rats or as to abnormal infestation or unusual mortality among them. The following tables show in detail the results of the measures taken and of the examinations made.

REPORT ON RATS AND THEIR PARASITIC FLEAS.

Found (1) ON SHIPS IN CARDIFF DOCKS.

(2) IN WAREHOUSES ON CARDIFF DOCKS.

(3) IN OTHER PREMISES ON THE CARDIFF DOCKS.

By Dr. JAS. J. SIMPSON, M.A., *Keeper of Zoology, National Museum of Wales.*

Seventy-two samples of rats were received from 18th March, 1925, to 31st December, 1925. Fifty-five of these were from ships, fifteen from warehouses, and three from other spaces on the docks. The identifications of these have been tabulated below separately.

TABLE I.—SHIPS

Origin Name of ship and where from	<i>Rattus rattus</i>	<i>Rattus rattus alexan- drinus</i>	<i>Rattus rattus frugi- vorus</i>	<i>Rattus norvegicus</i>	Fleas	Date
s.s. "Rhodesian Transport"	2	—	2	—	<i>Xenopsylla cheopis</i>	18-3-25
Beunos Aires <i>via</i> Flushing	1	—	2	—	do.	20-3-25
	6	—	—	—	Nil	24-3-25
s.s. "Treliske"	—	—	3	—	<i>Xenopsylla cheopis</i>	20-3-25
Bahia Blanca <i>via</i> Genoa & Oran	2	—	—	—	Nil	24-3-25
s.s. "Port Gwarra"	—	2	2	—	Nil	2-4-25
Bahia Blanca <i>via</i> Las Palmas and Dunkirk	—	—	—	—	—	—
s.s. "Jiul"	—	—	—	1	<i>Ceratophyllus fasciatus</i>	7-5-25
Porto Empedocle (Sicily) <i>via</i> Hull	—	—	—	—	—	—
s.s. "Engelstan"	13	1	—	—	Nil	9-5-25
Vladivostock <i>via</i> Port Said and London	—	—	—	—	—	—
s.s. "Michael"	8	2	—	—	<i>Ceratophyllus fasciatus</i>	8-5-25
Rosario <i>via</i> Las Palmas and Genoa	5	—	—	2	<i>Xenopsylla cheopis</i> & <i>Ceratophyllus fasciatus</i>	9-5-25
s.s. "Dunslaw"	1	—	—	—	Nil	14-5-25
Lorenzo Marques <i>via</i> Tenerife, Oran and Trieste	—	—	—	—	—	—
s.s. "Norburn"	1	—	6	2	<i>Ceratophyllus fasciatus</i>	26-5-25
Bordeaux	—	—	2	—	do.	28-5-25
"Flora"	1	—	2	—	<i>Ceratophyllus fasciatus</i>	3-6-25
Antofagasta <i>via</i> Hamburg	2	—	—	—	Nil	6-6-25
s.s. "Calluna"	1	—	—	—	<i>Ceratophyllus fasciatus</i>	6-6-25
Antwerp	—	—	—	—	—	—
s.s. "Trewellard"	1	—	1	—	<i>Xenopsylla cheopis</i>	3-7-25
Sydney (Aus.) <i>via</i> Lisbon	—	—	—	—	—	—
s.s. "Clevedon"	—	—	2	—	<i>Ceratophyllus fasciatus</i>	17-7-25
Oran <i>via</i> Brest	—	—	—	—	—	—
s.s. "North Pacific"	2	2	—	—	<i>Ceratophyllus fasciatus</i> & <i>Xenopsylla cheopis</i>	18-7-25
Alexandria	—	—	—	—	—	—
s.s. "Harpon"	—	2	7	—	<i>Xenopsylla cheopis</i>	21-7-25
South Georgia <i>via</i> Oslo	—	4	—	—	Nil	22-7-25
	—	—	—	—	Nil	23-7-25
s.s. "Malakuta"	8	—	4	—	Nil	28-7-25
Fremantle <i>via</i> Colombo and Port Said	—	—	—	—	—	—

TABLE I. SHIPS—(continued).

Origin Name of ship and where from	Rattus rattus rattus	Rattus rattus alexan- drinus	Rattus rattus frugi- vorus	Rattus norveg- icus	Fleas	Date
s.s. "Cristina" Bilbao <i>via</i> Newport	1	—	1	—	Nil	10-8-25
s.s. "Albany" Rio de Janeiro <i>via</i> Las Palmas	1	—	—	—	Nil	17-9-25
s.s. "Silversand" Braila <i>via</i> Haukipudas	—	2	—	—	Ceratophyllus fasciatus	23-9-25
s.s. "Indian Transport" Buenos Aires <i>via</i> Rotterdam	5 6 2	— — —	7 11 2	— — —	Xenopsylla cheopis Xenopsylla cheopis & Ceratophyllus fasciatus	25-9-25 28-9-25
s.s. "Blink" New Mills, New Brunswick	5 4 1	— — —	12 3 2	— — —	Xenopsylla cheopis & Ceratophyllus fasciatus Ceratophyllus fasciatus do.	26-9-25 28-9-25 30-9-25
s.s. "Breaksea Light" Buenos Aires, Las Palmas and Limerick	2 2 1	— — —	2 — 2	— — —	Nil Nil Xenopsylla cheopis	10-10-25 12-10-25 14 19 25
s.s. "Michael" San Nicholas <i>via</i> St. Vincent and Fenit (Ire.)	7 4 2	— 1 —	1 — —	— — —	Xenopsylla cheopis do. Nil	7-10-25 8-10-25 12-10-25
s.s. "Ocean Monarch" Buenos Aires <i>via</i> St. Vincent and Antwerp	— 5	— —	1 —	— —	Nil Xenopsylla cheopis & Ceratophyllus fasciatus	21-10-25 23-10-25
s.s. "Canadian Transport" Buenos Aires <i>via</i> St. Vincent and Dunkirk	8 2 1	— — —	1 — —	— — —	Xenopsylla cheopis do. do.	21 10-25 24-10-25 29-10-25
s.s. "Maindy Grange" Makatea <i>via</i> Landskrona	1	—	—	—	Nil	30 10-25
s.s. "Eleftherios M. Tricoglu" Sfax <i>via</i> Oran and Dublin	—	—	2	—	Ceratophyllus fasciatus	4-11-25
s.s. "Rita Sister" Almeria <i>via</i> Liverpool	2	—	6	—	Ceratophyllus fasciatus	11-11-25
s.s. "Canadian Leader" Montreal <i>via</i> Quebec	3	—	1	—	Ceratophyllus fasciatus	30 11-25
s.s. "Lady Charlotte" East London <i>via</i> Las Palmas and Harwich	2	—	—	—	Xenopsylla cheopis	2-12-25
s.s. "Llangollen" Mariupol <i>via</i> Naples & Genoa	2 1	— —	— —	— —	Nil Xenopsylla cheopis	9-12-25 11-12-25
s.s. "General Milne" Costanza <i>via</i> Rotterdam and Antwerp	— — —	3 3 4	— — —	— — —	Nil Ceratophyllus fasciatus do.	12-12-25 15-12-25 16-12-25
s.s. "Canadian Commander" Montreal <i>via</i> Glasgow	—	—	5	—	Nil	14-12-25
s.s. "Northborough" San Nicholas <i>via</i> Las Palmas and Bilbao	1	1	1	—	Xenopsylla cheopis	18-12-25
TOTALS	125	27	93	5		

TABLE II.—WAREHOUSES.

QUEEN ALEXANDRA DOCK.

Origin	Rattus rattus rattus	Rattus rattus alexan- drinus	Rattus rattus frugi- vorus	Rattus norveg- icus	Fleas	Date
"F" Warehouse	—	—	4	—	Nil	6-5-25
do.	—	—	6	—	Nil	8-5-25
do.	—	—	—	3	Nil	9-5-25
do.	—	—	—	4	Ceratophyllus fasciatus	11-5-25
"Cold Stores" Warehouse ..	—	1	—	—	Nil	10-8-25
"G" Warehouse	—	1	1	1	Nil	10-8-25
do.	—	—	3	—	Ceratophyllus fasciatus	7-11-25
"B" Warehouse	2	—	—	—	Ceratophyllus fasciatus	17-11-25
ROATH DOCK.						
"Cold Stores" Warehouse ..	—	—	—	1	Ceratophyllus fasciatus	1-4-25
No. 2 Warehouse	1	—	—	—	Nil	17-6-25
No. 1 do.	—	1	1	—	Nil	10-9-25
No. 2 do.	1	—	—	—	Ceratophyllus fasciatus and Leptopsylla musculi	17-9-25
No. 2 do.	1	—	—	—	Nil	8-12-25
"Cold Stores" Warehouse ..	1	—	—	—	Nil	21-12-25
TOTALS	6	3	15	9		

VARIOUS PREMISES ON THE DOCKS.

Pattern shop, Bute Yard, East Bute Dock	—	—	—	1	Ceratophyllus fasciatus	21-5-25
Engine shed, Glamorganshire Canal	—	—	—	1	Ceratophyllus fasciatus	28-9-25
Pitwood wharf, Queen Alexandra Dock	—	—	—	1	Nil	9-12-25
TOTALS	—	—	—	3		

TABLE II—continued.

THE TOTAL NUMBER OF EACH VARIETY OF RAT IS AS FOLLOWS:—

Origin	Rattus rattus rattus	Rattus rattus alexan- drinus	Rattus rattus frugi- vorus	Rattus norveg- icus	Totals
Ships	125	27	93	5	250
Warehouses	6	3	15	9	33
Other premises . .	—	—	—	3	3
TOTALS ..	131	30	108	17	286

COMPARISON OF FIGURES FOR YEARS 1922 TO 1925.

Year	Rattus rattus rattus	Rattus rattus alexan- drinus	Rattus rattus frugi- vorus	Rattus norvegi- cus.	Totals
1922	53	45	72	3	173
1923	26	14	42	1	83
1924	86	64	61	3	214
1925	131	30	108	17	286

FLEAS.—Three species of fleas were obtained, viz.:—

Xenopsylla cheopis
 Leptopsylla musculi
 Ceratophyllus fasciatus

THE NUMBER OF SAMPLES IS AS FOLLOWS:—

Origin	Xenopsylla cheopis	Leptopsylla musculi	Ceratophyllus fasciatus
Ships	69	—	61
Warehouses	—	2	19
Other premises	—	—	3
Totals ...	69	2	83

TABLE XI. (a). (Form C.)

Particulars relating to vessels "infected" or "suspected" or from infected ports.

NAME OF VESSEL	DATE OF ARRIVAL	Whether infected, suspected or from an infected port.	METHODS OF RAT DESTRUCTION EMPLOYED.			Number of Rats killed.	Whether a certificate of deratisation was issued.	REMARKS.
			Fumigation by Sulphur Dioxide.	Fumigation by Hydrocyanic Acid.	Trapping, poison, etc.			
1	2	3	4	5	6	7	8	9
s.s. "Roker"	Feb. 4	Infected port, Rosario via St. Vincent, C.V.	—	—	—	—	—	No evidence of rat infestation
s.s. "Alistruther"	" 15	Infected port, Karachi via Port Said and Manchester	—	—	—	—	—	do.
s.s. "Treverbyn"	Mar. 4	Infected port, Karachi via Port Said and Birkenhead	—	—	—	—	—	do.
s.s. "Lord Guilford"	" 17	Infected port, Karachi via Port Said and Algiers	—	—	—	—	—	do.
s.s. "Benwood"	" 21	Infected port, Rosario via Las Palmas, Fal- mouth & New- castle	—	—	—	—	—	do.
s.s. "Saxilby"	April 2	Infected port, Karachi via Alexandria and Gibraltar	—	—	—	—	—	do.

TABLE XI. (a) (Form C.)—continued.

s.s. "Overstone"	April 6	Infected port, via Karachi, Alexandria and Algiers	—	—	—	—	—	—	No evidence of rat infestation
s.s. "Berk"	" 8	Infected port, Santa Fe via Las Palmas & Falmouth	—	—	—	—	—	—	do.
s.s. "Malakuta"	July 15	Infected port, Fremantle via Colombo and Port Said	—	—	Trapping	43	—	—	—
s.s. "Amersham"	Aug. 11	Infected port, Alexandria via Bilbao	—	—	—	—	—	—	No evidence of rat infestation
s.s. "P.L.M. 12"	Sept. 2	Infected port, Marseilles via Algiers & Oran	—	—	—	—	—	—	do.
s.s. "Daksa"	Nov. 19	Infected port, Alexandria	—	—	—	—	—	—	do.
s.s. "Grelcaldy"	" 19	Infected port, Alexandria	—	—	—	—	—	—	do.

TABLE XI. (b). Form D.

Vessels subjected to measures of rat destruction.

Number of vessels fumigated by S.O.2	Number of rats killed.	Number of vessels fumigated by H.C.N.	Number of rats killed.	Number of vessels on which trapping, poisoning, etc. were employed.	Number of rats killed.	Number of fumigation certificates issued on Form "Port 10"	Number of other certificates issued.	REMARKS.
26	389	—	—	45 ^o	2298	22	12	—

* Including one already referred to in Form C.

TABLE XII.

RATS CAUGHT BY RATCATCHER AND DESTROYED.

(a) ON VESSELS.

Number of	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total for Year.
Black rats	279	1	315	125	214	141	395	3	347	330	310	220	2680
Brown rats	—	—	—	3	4	—	—	—	—	—	—	—	7
Rats examined	25	1	19	5	7	10	26	—	41	34	19	23	210
Rats infected with plague ..	—	—	—	—	—	—	—	—	—	—	—	—	—
Rats not infected ..	25	1	19	5	7	10	26	—	41	34	19	23	210

(b) IN WAREHOUSES.

Number of	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total for Year.
Black rats	20	74	45	21	8	22	25	27	32	22	36	17	349
Brown rats	—	—	1	11	51	—	—	5	1	—	—	1	70
Rats examined	6	5	8	5	4	—	7	—	6	2	6	3	52
Rats infected with plague ..	—	—	—	—	—	—	—	—	—	—	—	—	—
Rats not infected ..	6	5	8	5	4	—	7	—	6	2	6	3	52

METHOD OF RAT DESTRUCTION IN THE CITY OF CARDIFF (as distinct from the port):—The method mainly employed in the city is baiting. Baits are regularly laid by sewer men in sewers and on canal banks, while large quantities of poison are used on private premises; all this work being done under the supervision of the Department.

PREVENTION AND TREATMENT OF VENEREAL DISEASE.

The work of the venereal diseases clinic at the Royal Hamadryad Seamen's Hospital is recorded here, although it ranks for grant under the venereal diseases scheme and not as a part of port sanitary administration.

The clinic is strictly confined to *bona fide* seafaring men, and naturally falls within the province of port administration.

TABLE XIII.

NUMBER OF CASES DEALT WITH AT THE SEAMEN'S CLINIC SINCE COMMENCEMENT,
APRIL 16th, 1917.

Years.	Number of persons attending for the first time.	Total attendances.	Aggregate No. of in-patient days.
April, 1917	572	7,191	2,692
1918	790	4,361	5,297
1919	972	17,040	6,281
1920	1,234	12,872	4,679
1921	868	12,242	3,352
1922	786	12,856	3,775
1923	821	13,704	3,722
1924	615	16,212	2,697
1925	616	16,008	3,104
	7,274	112,486	35,599

Nineteen cases of venereal disease were reported to inspectors and recommended for hospital treatment. Leaflets relating to the treatment centres (in different languages) are also distributed by the inspectors on arrival.

SCABIES.—During the year 27 cases of scabies amongst seamen were treated at the corporation cleansing and disinfecting station.

VERMINOUS PERSONS.—No cases came to the knowledge of the Department during the year in which it was necessary to carry out disinfection and cleansing for eradication of vermin.

BUGS.—Vigorous action has been taken for the eradication of bugs which are a constant source of irritation and discomfort in crew's quarters. This problem was dealt with in an address given to the Port Sanitary Section of the Congress of the Royal Sanitary Institute at Edinburgh, in July, 1925, copies of which have been circulated among port medical officers.

Section 3.

MEDICAL INSPECTION OF ALIENS—PORT SANITARY DISTRICT OF CARDIFF.

ANNUAL RETURN BY THE MEDICAL INSPECTOR OF ALIENS FOR THE YEAR ENDED 31ST DECEMBER, 1925.

Aliens arriving at the port*		No. of temporary visitors, i.e., aliens whose stay in this country will not exceed three months.			No. of aliens who intend to settle permanently or remain in this country for more than three months		
Total number	No. subjected to medical † inspection	Total number	No. subjected to medical ‡ examination	Number of certificates issued	Total number	No. subjected to medical ‡ examination	No. of certificates issued
277	—	205	—	—	9	4	—

Aliens in transit			Transmigrants	
Total number	No. subjected to medical ‡ examination	No. of certificates issued	Total number	No. subjected to medical ‡ examination
63	—	—	—	—

* Number to include all aliens in transit and transmigrants, but not alien seamen.

† The term "Inspection" relates to the preliminary inspection of aliens as they pass before the Medical Inspector.

‡ The term "Medical Examination" relates to detailed medical examination.

PARTICULARS RELATING TO DETAILED EXAMINATION OF ALIENS.

	No.
Aliens who were subjected to detailed medical examination and were not certified by Medical Inspector	4
Number of each of the following certificates issued by the Medical Inspector of Aliens:—	
(a) Certificate that an alien is a lunatic, idiot, or mentally deficient ..	Nil
(b) Certificate that, for medical reasons, it is undesirable that an alien should be permitted to land	
(c) Certificate that an alien is suffering from some disease, defect or deformity, which may interfere with his capacity to support himself or his dependents ..	
(d) Certificate that an alien is suffering from one of the acute infectious diseases ..	
(e) Certificate that, for the purposes of an adequate medical examination, it is necessary for the alien to land in order that he may be examined ashore ..	

TRANSMIGRANTS.

(See paragraphs 2 and 3 of the additional instructions to Medical Inspectors issued by the Ministry of Health in April, 1921).

Number of certificates of the cleansing of verminous transmigrants given by the Medical Inspector of Aliens to the Immigration Officer	Nil
Number of medical certificates in respect of transmigrants suffering from trachoma, favus, etc., given to the Immigration Officer	

PARTICULARS RELATING TO ALIEN TRAFFIC.

Total number of passenger vessels carrying aliens which arrived during the year	Nil
Number dealt with by Medical Inspector of Aliens	Nil
Total number of cargo vessels carrying alien passengers which arrived during the year	73
Number dealt with by Medical Inspector of Aliens	4
Any other vessels in connection with which the Medical Inspector has had to take action in regards to aliens. Give full particulars	Nil

(Signed) H. SHEASBY, M.B. Ch.B., D.P.H..

Medical Inspector of Aliens.

Section 4.

INSPECTION OF SHIPPING FOR DEFECTS OF SANITATION.

During the year 6,425 vessels with a total tonnage of 5,082,627 were inspected on arrival. The crews carried by these vessels numbered 107,372 hands. In addition, 4,163 re-inspections were made of ships in dock, making a total of 10,588. Sixty four written notices were served and 812 verbal orders given to masters in connection with nuisances and sanitary defects on board ships.

Articles of clothing belonging to seamen to the number of 111 were disinfected by the Port Sanitary Authority, and 1,900 dirty or infected beds were destroyed. The lighters carrying grain, patent fuel, etc., in the docks have been periodically examined, cleansed, disinfected and repaired during the year. The fishing boats and fish wharves have been regularly visited, cleansed and disinfected.

TABLE XIV.

NUMBER AND NATIONALITY OF VESSELS ON WHICH STRUCTURAL DEFECTS AND OTHER
NUISANCES WERE DETECTED.

NATIONALITY.	Number of ships		Defective side ports and portholes in forecastles and berths.		Defective water closets		Defective bulkheads and floors in forecastles and berths		Defective and leaky hose pipes and cable casings in crew spaces		Defective or unlined iron decks over bulkheads in forecastles and berths		Defective stoves, funnels and flanges in crew spaces		Defective ventilation to forecastles and berths		Defective ventilation to water closets		Dirty water casks and tanks		Defective water casks and tanks		Defective lumps in crew spaces		Defective lighting to forecastles and berths		Defective coals and ventilators to forecastles and berths		Defective drainage to crew spaces		Leaky decks over forecastles and berths		Foul bulges and peaks		Ship's stores kept in crew spaces		Foul accumulations		Water closets and paint lockers adjoining and ventilating into crew spaces		Want of wooden floors in crew spaces		Dirty forecastles and berths		Dirty water closets		Vermineous forecastles and berths		CASES		REMEDIED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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The foregoing tables afford evidence of useful work performed by the officers of the Port Sanitary Authority, and show that the inspection of shipping in the port has resulted in a great improvement in the sanitary condition of the floating population.

The chief defects found on board ships were:—Defective side ports and prisims, bulkheads, floors, hawse pipes and cable casings, defective stoves, funnels and flanges, ventilator cowls and ventilation, lighting and drainage, leaky decks, defective or unlined iron decks over bunks, causing damp beds, etc., defective lamps, water tanks and casks, also defective water closets.

Very little difficulty has been experienced in obtaining compliance with the requirements of the inspectors.

INSPECTION AND BACTERIOLOGICAL EXAMINATION OF WATER SUPPLIES.

During the year 231 samples of drinking water from vessels were submitted to the bacteriologist and analyst (Mr. Sugden), the results of the examinations of which are summarised in the following table.

TABLE XV.

RESULTS OF EXAMINATION OF WATER SUPPLIES.

Number of Samples	Satisfactory	Moderate Purity	Doubtful Purity	Contaminated
231	146	35	24	26

Fifty notices were served on masters of vessels having doubtful or contaminated water on board for drinking and domestic purposes as the result of these examinations. All tanks containing impure water were emptied and cleansed, and a fresh supply taken on board.

Section 5.

FOOD INSPECTION.

The following table shows the kinds and quantities of food withheld from human consumption during the year.

TABLE XVI.
NATURE AND QUANTITIES OF UNSOUND FOOD.

DESCRIPTION OF ARTICLES DESTROYED OR OTHERWISE DEALT WITH				TONS	CWTS.	LBS.
Apples	..	..	..	—	16	73
Apricots (canned)	..	..	..	—	5	84½
Beef (canned)	..	..	..	—	5	100½
Beetroot (canned)	..	..	..	—	—	2
Cabbage	..	..	..	2	3	—
Cabbage (canned)	..	..	..	—	—	2
Carrots	..	..	..	—	3	62
Grapes	..	..	..	7	17	45
Lamb	..	..	..	—	—	27
Lard	..	..	..	—	10	41
Lemons	..	..	..	11	11	—
Loganberries (canned)	..	..	..	—	—	19
Macaroni	..	..	..	—	1	8
Melons	..	..	..	—	2	88
Onions	..	..	..	2	—	—
Oranges	..	..	..	106	11	56
Parsnips	..	..	..	—	—	2
Peaches (canned)	..	..	..	—	—	103
Pears (canned)	..	..	..	—	1	43
Pineapple (canned)	..	..	..	—	—	101½
Pomegranates	..	..	..	1	—	—
Potatoes	..	..	..	41	9	—
Rice	..	..	..	—	12	104
Sugar	..	..	..	1	—	20
Tomatoes (canned)	..	..	..	15	9	88½
Tongue (canned)	..	..	..	—	—	6
Tripe (canned)	..	..	..	—	—	12
Turnips	..	..	..	—	—	18
Wheat	..	..	..	43	7	31
Total	..	..	..	235	12	16½

The above table includes articles of food arriving both by coastwise vessels and from foreign. It would be useful to be able to place the figures contained therein against the total imports of food but there is great difficulty in obtaining some of the desired information. The following table shows the quantities of all food, except wheat and fish, arriving *from foreign only* :—

TABLE SHOWING FOODSTUFFS IMPORTED FROM FOREIGN DURING THE YEAR.

TABLE XVII.

Articles	Tons	Barrels	Bags	Boxes	Bales	Cases	Skips
Almonds	..	—	110	540	—	—	—
Anchovies (canned)	..	—	—	—	—	6	—
Apples	..	55,163	—	35,655	—	—	—
Apples (canned)	..	—	—	—	—	250	—
Bacon	..	—	—	2,374	570	—	—
Baking powder	..	—	—	—	—	160	—
Barley, Pearl	..	—	244	—	—	—	—
Beef, Pickled	..	1,331	—	—	—	—	—
Beer	..	—	—	—	—	125	—
Biscuits	..	—	—	—	—	3,120	338
Bread, Fancy	..	—	—	—	—	20	—
Butter	..	—	—	23,948	—	—	—
Butter (canned)	..	—	—	—	—	11	—
Caraway seeds	..	—	5	—	—	—	—
Carrots (canned)	..	—	—	—	—	24	—
Catsup	..	—	—	—	—	1,835	—
Cheese	..	—	—	53,140	—	—	—
Cider	..	1	—	—	—	—	—
Confectionery	..	175	—	—	—	17	—
Cream (canned)	..	—	—	—	—	675	—
Eggs	..	—	—	—	—	33	—
Fat, edible	..	277	—	6,308	—	—	—
Fish, fresh	..	—	—	165	—	—	—
Fish (canned)	..	—	—	—	—	1,252	—
Flour	..	—	21,220	2,054	—	—	—
Fruit (canned)	..	—	—	—	—	3,751	—
Fruit, Dried	..	—	—	12,553	—	—	—
Fruit pulp	..	253	—	—	—	—	—
Fruit salad (canned)	..	—	—	—	—	15	—
Glucose	..	1,200	—	—	—	—	—
Grapes	..	33,996	—	—	—	11,108	—
Hams	..	—	—	219	—	—	—
Herbs	..	—	10	—	—	—	—
Herrings, Salt	..	24	—	—	—	—	—
Lard	..	—	—	87,163	—	—	—
Lemons	..	—	—	—	—	12,948	—
Lobster (canned)	..	—	—	—	—	20	—
Macaroni	..	—	—	—	—	894	—
Malt	..	—	419	—	—	—	—
Margarine	..	—	—	9,509	—	—	—
Meat (canned)	..	—	—	—	—	12,434	—
Melons	..	—	—	—	—	673	—
Milk (canned)	.. 6-8 cwts.	—	—	—	—	117,815	—
Milk powder	..	—	—	—	—	22	—
Molasses	..	50	—	—	—	—	—
Nuts	..	—	20	—	—	—	—
Oats Rolled	..	—	1,100	—	—	12,765	—
Olive Oil	..	—	—	—	—	92	—
Onions	.. 142	—	15,030	—	—	79,876	—
Oranges	..	—	—	—	—	274,888	—
Peaches (canned)	..	—	—	—	—	350	—
Pears (canned)	..	—	—	—	—	1,050	—
Peas	..	—	1,638	—	—	—	—
Pomegranates	..	—	—	—	—	5,442	—
Pork, Pickled	..	1,695	—	—	—	—	—
Postum	..	—	—	—	—	399	—
Potatoes	.. 50,436	—	—	—	—	—	—
Rice	..	—	2,562	—	—	—	—
Salt	..	—	3,328	—	—	—	—
Sugar	.. 6,530	—	289,672	—	—	15,175	—
Syrup (canned)	..	—	—	—	—	180	—
Tomatoes (canned)	..	—	—	—	—	35,661	—
Tomatoes, Raw	..	—	—	7,772	—	—	—
Vegetables, fresh (mixed)	.. 96	—	14,808	365	—	—	—
Vegetables (canned)	..	—	—	—	—	687	—
Vegetables, Pickled	..	296	—	—	—	—	—
Walnuts	..	12	—	—	—	—	—
Wheat, Puffed	..	—	—	—	—	375	—
Wine	..	6	—	—	—	—	—
Yeast cake	..	—	—	—	—	50	—

FROZEN MEAT LANDED AT THE PORT.

TABLE XVIII.

1925	NAME OF SHIP.	WHERE FROM.	PORK loins (Boxes)	MUTTON (Carcases)	LAMB (Carcases)	BEEF	
						(Quarters)	(Bags)
Feb. 19	s.s. "Canadian Leader"	Halifax, N.S. via Avonmouth.	500	—	—	—	—
June 10	s.s. "Cornwall"	New Zealand, via Glasgow, Liverpool and Manchester.	—	3750	20765	1942	—
July 4	s.s. "Port Caroline"	Australia, via Hull, Southampton, London and Dunkirk	—	..	—	5239	200
„ 31	s.s. "Suffolk"	New Zealand, via Panama and Avon- mouth.	—	2196	8003	1013	105
Aug. 9	s.s. "Piako"	New Zealand, via Glasgow and Liver- pool.	—	5665	5006	2000	—
Oct 15	s.s. "Ruapehu"	New Zealand, via Glasgow, Liverpool and Manchester.	—	15130	—	—	—
		TOTALS ..	500	26741	33734	10194	305

Section 6.

INSPECTIONS UNDER THE DISEASES OF ANIMALS ACTS, 1894 to 1924.

(a) THE CANINE ANIMALS ORDER, 1909, AND THE IMPORTATION OF DOGS ORDERS, 1914-18.—During the year ended December 31st, 1925, 782 dogs were imported from foreign countries by ships, either directly or indirectly.

These ships were visited regularly during their stay in port to see that the requirements of the orders were carried out.

(b) FOREIGN ANIMALS ORDERS, 1910-24.—During the year, sixteen vessels arrived at the port with the following animals on board from scheduled countries, either directly or indirectly, viz. :—Cattle 8, Sheep 24, Goats 1, and Swine 27.—Total 60. These ships were visited regularly to see that the regulations were carried out. When any of the ships left for other ports in Great Britain, the authorities at those ports were notified.

Proceedings against masters for infringements of the orders were taken in nine instances, and fines amounting to £5 18s. 0d., were imposed.

The following table shows the number of cattle landed at the port during the year :—

TABLE XIX.

Date	Name of Ship	Where from	No. of Cattle
March 27	s.s. "Canadian Victor" ...	St. John, N.B. <i>via</i> Halifax, N.S.	265
April 27	s.s. "Canadian Commander" ...	do.	258
May 8	s.s. "Canadian Mariner" ...	do.	273
" 22	s.s. "Canadian Victor" ...	Montreal <i>via</i> Quebec	231
June 4	s.s. "Canadian Leader" ...	do.	235
" 17	s.s. "Canadian Commander" ...	do.	232
July 3	s.s. "Canadian Mariner" ...	do.	233
" 17	s.s. "Canadian Victor" ...	do.	233
August 1	s.s. "Canadian Leader" ...	do.	233
" 13	s.s. "Canadian Commander" ...	do.	233
" 28	s.s. "Canadian Mariner" ...	do.	243
Sept. 10	s.s. "Canadian Victor" ...	do.	266
" 24	s.s. "Canadian Leader" ...	do.	233
October 8	s.s. "Canadian Commander" ...	do.	270
" 24	s.s. "Canadian Mariner" ...	do.	233
Nov. 5	s.s. "Canadian Victor" ...	do.	257
" 21	s.s. "Canadian Leader" ...	do.	233
TOTAL			4,161

Section 7.

ANNUAL REPORT OF S. J. HOLBOURN, CANAL BOAT INSPECTOR, FOR THE YEAR 1925.

Section 3 of the Canal Boats Act of 1884, provides that it shall be the duty of every registration or sanitary authority within whose district any canal or part of a canal is situate, to enforce within such district the provisions of the principal act, and this act, and any regulations made thereunder by the Ministry of Health, and every such authority shall, within twenty-one days after the 31st day of December in every year, make a report to the Ministry of Health, as to the execution of the principal act, and this act, and of the regulations made thereunder, as aforesaid, and as to the steps taken by such authority during the year to give effect to the provisions of the said acts and regulations.

1. Canal boats inspected during the year 1925	..	..	62
Condition of boats, good	..	..	58
Infringements	..	..	4
Occupants of boats	..	..	All males
Women and children sleeping in Canal boats	..	..	Nil

2. Infringements .—

(a) Registration	..	..	..	Nil	(4) Any other steps taken to secure compliance with the acts and regulations? Yes, verbal notices.
(b) Notification change of master	..	..	..	Nil	
(c) Certificates	..	..	..	Nil	(5) Detention of boats for cleansing and disinfecting
(d) Marking	..	..	..	2	..
(e) Overcrowding	..	..	..	Nil	..
(f) Separation of sexes	..	..	..	Nil	(6) Number of boats on register
(g) Cleanliness	..	..	..	Nil	..
(h) Painting	..	..	..	Nil	(7) Number of boats registered during the year 1925:—
(i) Ventilation	..	..	..	Nil	(a) Motor propelled boats
(j) Water vessels	..	..	..	Nil	(b) Other boats, rendered necessary by alterations and change of owners
(k) Removal of bilge water	..	..	..	2	..
(l) Notification of infectious diseases	..	..	..	Nil	(8) Removal from register
(m) Admittance of Inspector	..	..	..	Nil	..
(n) Defective stoves	..	..	..	Nil	(9) Number of boats believed to be in use or serviceable:—
(o) Roofs leaking	..	..	..	Nil	(a) Motor propelled boats
(p) Boats leaking	..	..	..	Nil	(b) Not propelled by motor
(3) Legal proceedings taken in respect of infringements	..	..	..	Nil	(10) Number of boats that cannot be traced
					(11) Boats with accommodation for two males
					(12) Boats with accommodation for three males

The sanitary condition of the boats is on the whole satisfactory.

THE HISTORY OF THE UNITED STATES OF AMERICA

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