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**Contributors**

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1920

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# ANNUAL REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE

### CARDIFF PORT SANITARY AUTHORITY,

FOR THE YEAR 1920.

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Printed by Order of the Sanitary Authority.

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CARDIFF :

S. GLOSSOP AND SONS, LTD., NEW STREET.

1921.

ANNUAL REPORT

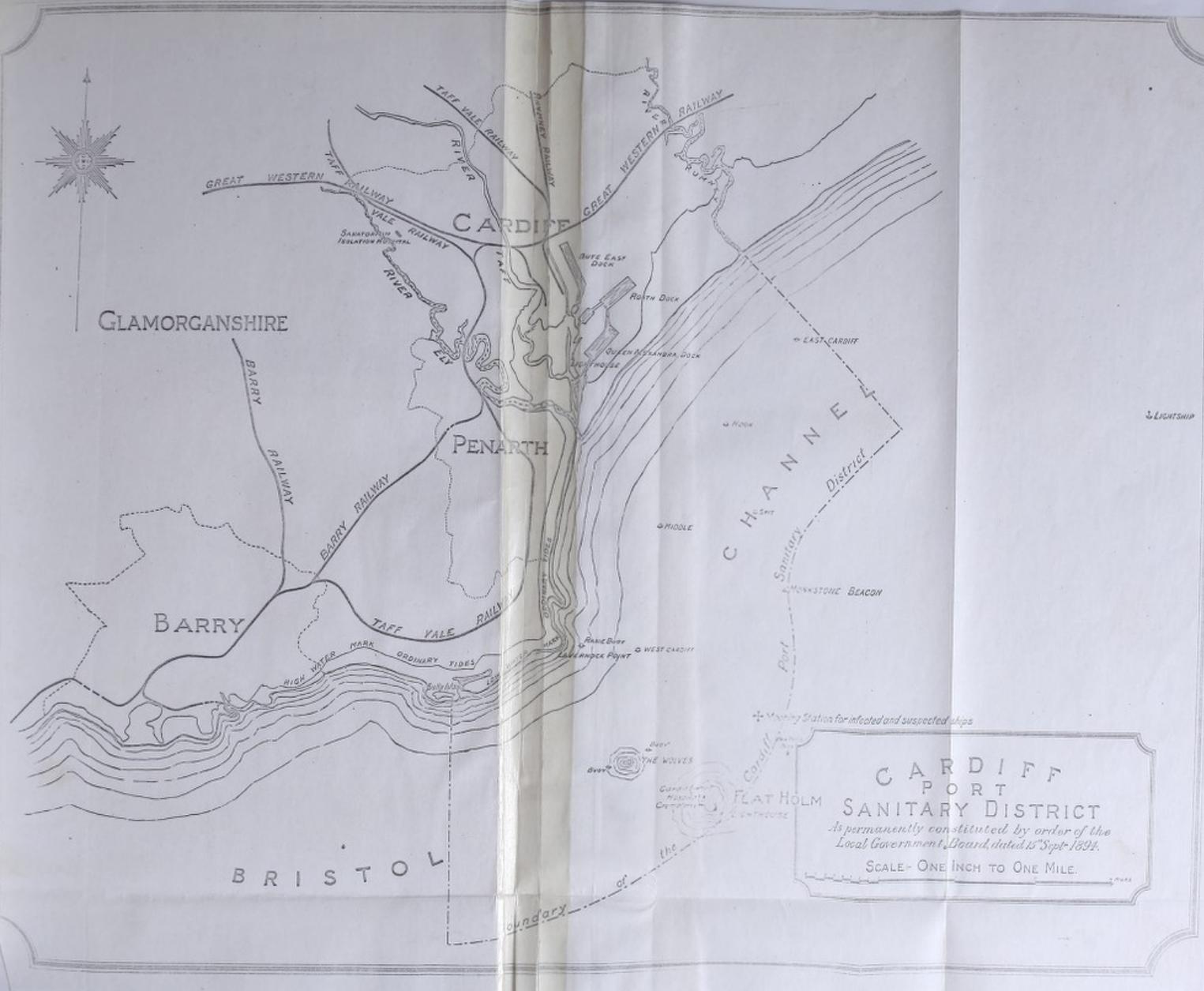
MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1920

CALIFORNIA PORT SANITARY AUTHORITY

FOR THE YEAR 1920

Printed by order of the Board of Health



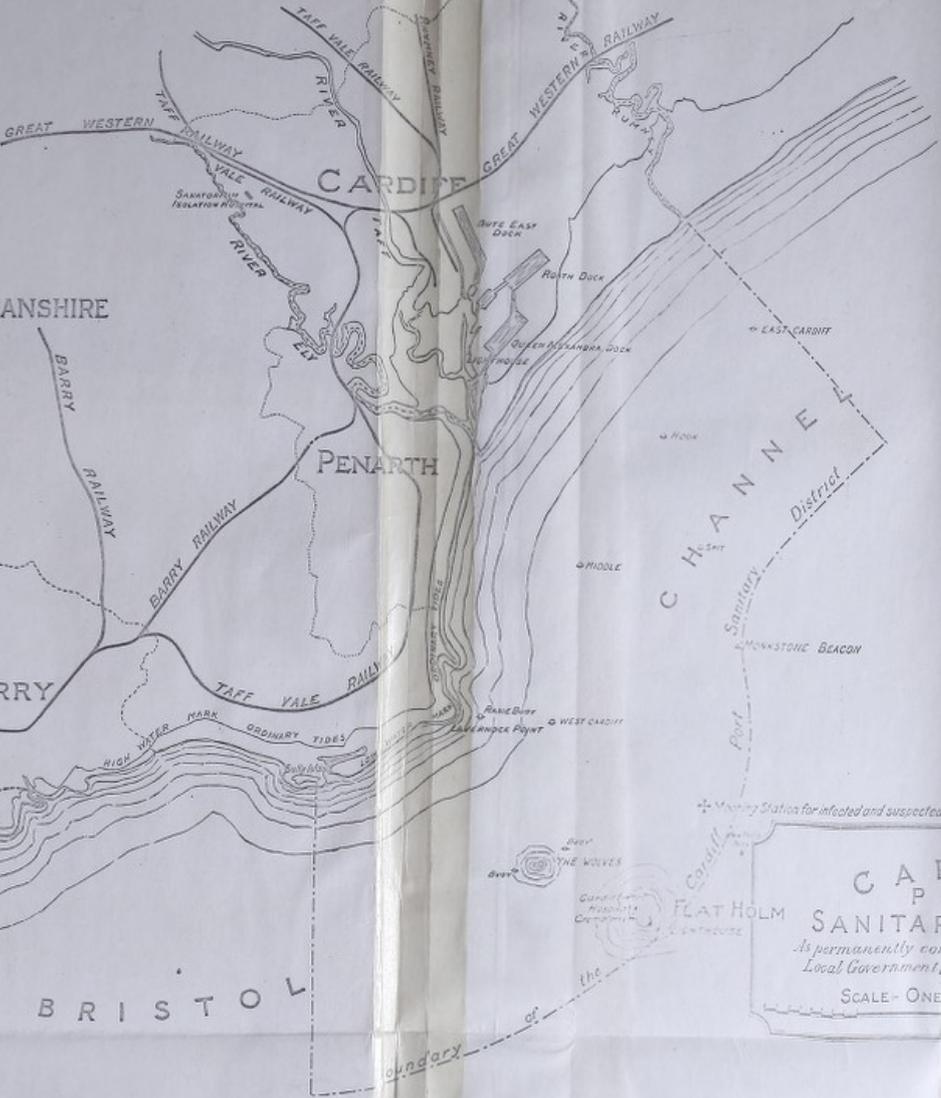
GLAMORGANSHIRE

CARDIFF

PENARTH

BARRY

BRISTOL



**CARDIFF PORT SANITARY DISTRICT**  
*As permanently constituted by order of the Local Government Board, dated 15<sup>th</sup> Sept. 1894.*  
 SCALE - ONE INCH TO ONE MILE.

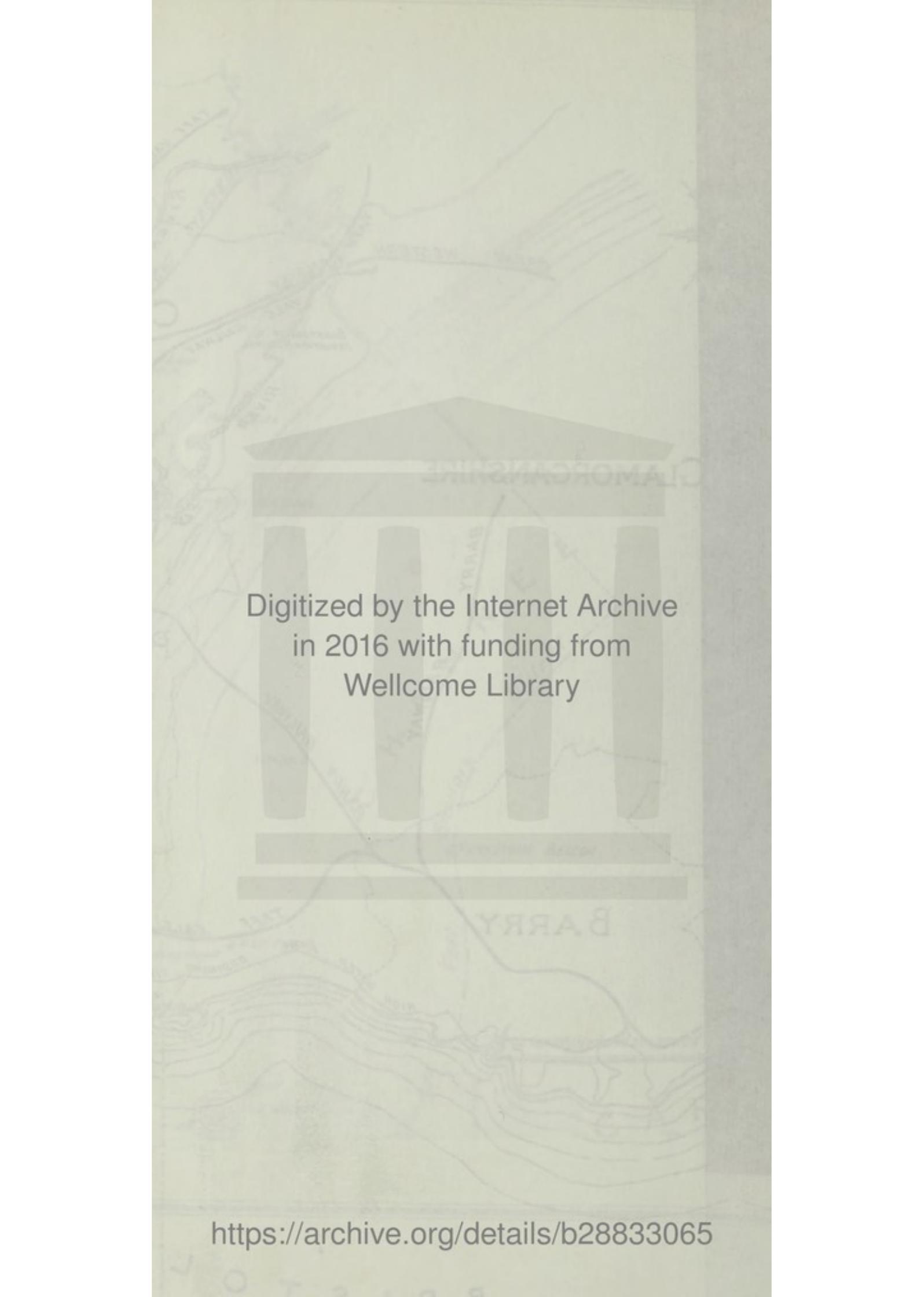
LIGHTSHIP

Meeting Station for infected and suspected ships

DEEP OF THE WOLVES

FLAT HOLM

boundary



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ALDERMAN TAYLOR, J.P.

ALDERMAN JAMES ROBINSON, L.R.C.S., L.R.O.P., J. P.

# ANNUAL REPORT

ALDERMAN J. A. STONE	ALDERMAN E. C. WITTAN
J. J. E. BIGGS	J. DONOVAN
COUNCILLOR G. WALL	S. GUERAN
C. W. MELHUISH	N. HILEY
W. H. RENWICK, J.P.	W. H. PARKER
J. A. THOMPSON	

OF THE

## MEDICAL OFFICER OF HEALTH

Medical Officer of Health's Department.

FOR THE

WARD

Assisted Medical Officer of Health

## CARDIFF PORT SANITARY AUTHORITY,

Chief Inspector of Nuisances, Inspector of Milk, and Inspector of Food

FOR THE YEAR 1920.

A. J. HOLMES, Chief Inspector of Nuisances

Inspector of Milk and Food

A. J. E. MOY, Inspector of Milk and Food

F. WOOD, Assistant Inspector of Nuisances

E. J. MORGAN, Assistant Inspector of Milk and Food

D. A. JENKINS, Assistant Inspector of Milk and Food

J. DAVIES, Assistant Inspector of Milk and Food

T. B. HILL, Assistant Inspector of Milk and Food

W. J. DAVIES, Assistant Inspector of Milk and Food

V. A. HAYES, Assistant Inspector of Milk and Food

S. KILLICK, Assistant Inspector of Milk and Food

A. J. BROWN, Assistant Inspector of Milk and Food

Printed by Order of the Sanitary Authority.

CARDIFF :

S. GLOSSOP AND SONS, LTD., NEW STREET.

1921.



# ANNUAL REPORT

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE

### CARDIFF PORT SANITARY AUTHORITY

FOR THE YEAR 1950.

Printed by Order of the Sanitary Authority

CARDIFF

A. GILBERT AND SONS, LTD., NEW STREET

1951

# Health and Port Sanitary Committee.

## Cardiff Port Sanitary Authority.

*The Lord Mayor :*

ALDERMAN JAMES TAYLOR, J.P.

*Chairman :*

ALDERMAN JAMES ROBINSON, L.R.C.S., L.R.C.P., I., J.P.

*Deputy Chairman :*

ALDERMAN F. G. L. DAVIS.

ALDERMAN J. A. STONE.	COUNCILLOR R. C. BRITTAN.
.. J. J. E. BIGGS.	.. J. DONOVAN.
COUNCILLOR C. WALL.	.. E. CURRAN.
.. C. W. MELHUIH.	.. H. HILES.
.. W. H. RENWICK, J.P.	.. Mrs. PARKER.
.. J. A. THOMPSON.	

### Medical Officer of Health's Department.

*Medical Officer of Health :*

EDWARD WALFORD, M.D., D.P.H.

*Assistant Medical Officer of Health :*

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

*Chief Inspector of Nuisances, Inspector under D. of A. Acts, Canal Boats Acts, and Unsound Food Regulations :*

DAVID JENKINS, CERTIFICATE AND ASSOCIATE ROYAL SANITARY INSTITUTE.

*Senior Assistant Inspector :*

S. J. HOLBOURN, CERTIFICATES ROYAL SANITARY INSTITUTE.

*Inspector of Meat and other Foods :*

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

F. WOOD, ASSISTANT INSPECTOR OF NUISANCES.	CERTIFICATES ROYAL SANITARY INSTITUTE.
J. J. MORGAN .. .. .	CERTIFICATE ROYAL SANITARY INSTITUTE.
D. A. JENKINS .. .. .	
J. DAVIES .. .. .	
T. D. HILL .. .. .	CERTIFICATE ROYAL SANITARY INSTITUTE.
W. J. DAVIES .. .. .	
J. A. GLOVER .. .. .	CERTIFICATES ROYAL SANITARY INSTITUTE.
S. MELLINGS .. .. .	CERTIFICATE ROYAL SANITARY INSTITUTE.
A. J. BROWNE .. .. .	CERTIFICATE ROYAL SANITARY INSTITUTE.

*Clerk :*

M. J. KELLEHER.

*Motor Ambulance Driver :*

E. SHEEHY.

*Caretaker Flat Holm Hospitals :*

F. HARRIS.

# Health and Port Sanitary Committee.

The Lord Mayor:

ALDERMAN JAMES TAYLOR, J.P.

Chairman:

ALDERMAN JAMES ROBINSON, L.C.C., L.R.C.P., J.P.

Deputy Chairmen:

ALDERMAN N. G. J. DAVIS

ALDERMAN J. A. STONE J. J. HIGGS GOUNCEILLOR C. WALL G. W. MELLISH W. H. BENWICK, J.P. J. A. THOMPSON	.. .. .. .. .. ..	GOUNCEILLOR R. C. BILLYAN J. DONOVAN E. GIBBON H. HILLER Mrs. PARKER
--	----------------------------------	--

## Medical Officer of Health's Department.

Medical Officer of Health:

EDWARD WALFORD, M.D., D.P.H.

Assistant Medical Officer of Health:

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

Chief Inspector of Nuisances, Inspector of Milk, and Inspector of Food:

Food Inspector:

DAVID JENNINGS, Inspector and Assistant Food Sanitary Inspector.

Inspector of Milk and Milk Vendors:

A. J. HOLBROOK, Inspector and Assistant Inspector.

Inspector of Food and Milk Vendors:

A. J. SCOTT, Inspector and Assistant Inspector.

F. WOOD, Assistant Inspector of Nuisances J. A. HODGKIN D. A. JENNINGS J. DAVIES T. D. HILL W. J. DAVIES J. A. GIBBON F. MELLISH A. J. BROWN	.. .. .. .. .. .. .. ..	GOUNCEILLOR ROYAL SANITARY INSPECTOR GOUNCEILLOR ROYAL SANITARY INSPECTOR
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Chief:

M. J. KELLOGG

Inspector of Food:

H. SHEPHERD

GOUNCEILLOR ROYAL SANITARY INSPECTOR:

H. HILLER

# Cardiff Port Sanitary Authority.

31, LOUDOUN SQUARE,  
CARDIFF,

March, 1921.

## To the Chairman and Members of the Cardiff Port Sanitary Authority.

GENTLEMEN,

I have the honour to submit to you my Annual Report for the year 1920.

The Port Sanitary District of Cardiff was constituted in the year 1882, by a Provisional Order of the Local Government Board, which was subsequently confirmed by Parliament.

By a Provisional Order, dated 27th July, 1893, the limits of Jurisdiction of the Cardiff Port Sanitary Authority were extended, and on the 15th September, 1894, an order of the Board was issued permanently constituting the Authority. This Order came into operation on the 9th November, 1894, and contains the following provisions:—

### SECTION I.—

#### CONSTITUTION OF THE PORT SANITARY AUTHORITY.

ARTICLE 1.—This Order shall come into operation on the Ninth day of November, One Thousand Eight Hundred and Ninety-four, unless it shall become Provisional, and until this Order comes into operation the said Order dated the Twenty-seventh day of July, One Thousand Eight Hundred and Ninety-three shall continue in force.

ARTICLE 2.—The Mayor, Aldermen, and Burgesses of the said Borough of Cardiff, acting by the Council as the said Urban Sanitary Authority, shall be permanently constituted the Port Sanitary Authority for the part of the said Port of Cardiff, hereinafter described.

ARTICLE 3.—The Port Sanitary Authority may from time to time appoint Committees consisting of Members of such Authority for the exercise of any powers, which, in the opinion of such Authority, can be properly exercised by Committees, but the acts of every such Committee shall, unless otherwise directed by the Port Sanitary Authority, be submitted to such Authority for approval.

Provided that a Committee so appointed shall in no case be authorised to borrow money or to issue any precept for contributions, or to enter into any contract, and it shall be subject to the provisions of Part IV., of the First Schedule of the Local Government Act, 1894, so far as they are applicable.

### SECTION II.—LIMITS OF JURISDICTION.

ARTICLE 4.—The jurisdiction of the said Port Sanitary Authority shall extend to so much of the said Port of Cardiff as is comprised within the following lines, that is to say:—

A straight line drawn south from the seaward extremity of the common boundary of the Parishes of Sully and Lavernock to the boundary of the said Port and a line following and coincident with the boundary of the said Port from its commencement at the River Rumney to the point at which the straight line firstly hereinbefore mentioned meets such boundary.

together with the water of the said Port of Cardiff within such limits, and the place or places for the

# Cardiff Port Sanitary Authority.

ST. LOUBOUX SQUARE,  
CARDIFF.

May, 1921

To the Chairman and Members of the Cardiff  
Port Sanitary Authority.

GENTLEMEN,

I have the honour to submit to you my Annual Report for the year 1920.

The Port Sanitary District of Cardiff was constituted in the year 1882, by a Provisional Order of the Local Government Board, which was subsequently confirmed by Parliament.

By a Provisional Order, dated 27th July, 1883, the limits of jurisdiction of the Cardiff Port Sanitary Authority were extended, and on the 12th September, 1891, an order of the Board was passed permanently constituting the Authority. This Order came into operation on the 26th November, 1891, and contains the following provisions:—

## SECTION I—

### CONSTITUTION OF THE PORT SANITARY AUTHORITY.

ARTICLE 1.—This Order shall come into operation on the Ninth day of November, One Thousand Eight Hundred and Ninety-four, unless it shall become Provisional, and until this Order comes into operation the said Order dated the Twenty-seventh day of July, One Thousand Eight Hundred and Ninety-three shall continue in force.

ARTICLE 2.—The Mayor, Aldermen, and Burgesses of the said Borough of Cardiff, acting by the Council as the said Urban Sanitary Authority, shall be permanently constituted the Port Sanitary Authority for the part of the said Port of Cardiff, hereinafter described.

ARTICLE 3.—The Port Sanitary Authority may from time to time appoint Committees consisting of Members of such Authority for the exercise of any power, which, in the opinion of such Authority can be properly exercised by Committee, but the name of every such Committee shall unless otherwise directed by the Port Sanitary Authority, be submitted to such Authority for approval.

Provided that a Committee so appointed shall in no case be authorized to borrow money or to raise any money for contributions, or to enter into any contract, and it shall be subject to the provisions of Part IV, of the First Schedule of the Local Government Act, 1891, so far as they are applicable.

## SECTION II—LIMITS OF JURISDICTION.

ARTICLE 4.—The jurisdiction of the said Port Sanitary Authority shall extend to so much of the said Port of Cardiff as is comprised within the following lines, that is to say:—

A straight line drawn south from the eastern extremity of the common boundary of the Parishes of St. Mary and St. Andrew to the boundary of the said Port and a line following and coincident with the boundary of the said Port from its commencement at the river Hamney to the point at which the straight line firstly mentioned mentioned meets such boundary.

Further and the water of the said Port of Cardiff within such limits, and the place or places for the

time being appointed as the Customs Boarding Station or Stations for such part of the said Port, and every other place for the time being appointed for the mooring or anchoring of ships for such part of the said Port under any regulations for the prevention of the spread of diseases issued under the authority of the Statutes in that behalf, and the docks, basins, harbours, creeks, rivers, channels, roads, bays, and streams belonging to such part of the said Port.

### SECTION III.—ASSIGNMENT OF POWERS, &c.

ARTICLE 5.—For the purpose of this Order the following Sections of The Public Health Act, 1875, the Public Health (Officers) Act, 1884, the Public Health (Ships, &c.) Act, 1885, the Public Health (Members and Officers) Act, 1885, and the Public Health Acts Amendment Act, 1890, shall apply; and the Port Sanitary Authority shall have, exercise, perform, and be subject to, all the powers, rights, duties, capacities, liabilities, and obligations of an Urban Sanitary Authority under the same Sections, so far as those Sections are applicable to waters within the jurisdiction of such Port Sanitary Authority, or to ships coming or being within the said jurisdiction, or to persons upon any such ship or brought by any such ship within the said jurisdiction, or to goods or things upon any such ship, or to goods or things landed from any such ship, and being within the said jurisdiction, and which in the opinion of the said Authority, or their Medical Officer of Health requires to be disinfected or destroyed, namely:

#### Of the Public Health Act, 1875:—

Section 70, relating to Polluted Water.

Sections 91 to 111, both inclusive, relating to Nuisances.

Sections 120 to 123, both inclusive, relating to Infectious diseases and Hospitals.

Sections 134 to 140, both inclusive, as to the prevention of Epidemic Diseases.

Sections 141 and 142, relating to Mortuaries.

Sections 173 and 174, relating to Contracts.

Sections 175, 176 and 177, relating to Purchase of Lands.

Sections 179, 180 and 181, relating to Arbitration.

Sections 182 to 186, both inclusive, and Section 188, relating to Bye-laws.

Section 189 (except as regards the Offices of Surveyor and Collector), Sections 191 to 196, both inclusive, and Sections 197, 198, 205 and 206, relating to Officers and Conduct of Business of Local Authorities.

Sections 236 to 239, both inclusive, relating to Mortgages

Sections 245, 247 (as amended by the District Auditors Act, 1879), 249 and 250 relating to Audit.

Sections 251 and 253 to 258, inclusive, and Section 269 (as amended by the Summary Jurisdiction Act, 1884), relating to Legal Proceedings.

Section 278, relating to Settlement of Disputes as to Boundaries.

Sections 299 to 302, both inclusive, relating to Defaulting Local Authorities.

Sections 305 to 310, both inclusive, relating to miscellaneous Provisions.

Sections 327, 328, and 329, being Saving Clauses.

#### Of the Public Health (Officers) Act, 1884:—

Section 2.

#### Of the Public Health (Ships, etc.) Act, 1885:—

Section 2.





Of the Public Health (Miscellaneous) Act, 1908 —  
Section 2

Of the Public Health Act Amendment, 1909 —  
Section 3, as far as it relates to the Sanitary Authority to which Section 43

Provided as follows:—

- (1) Nothing herein contained shall affect the powers of any Sanitary Authority, except as to such water, sewage, refuse and things as above mentioned.
- (2) In this Article the term "ship" includes vessel or boat.

The Regulations of the Local Government Board, with regard to the Medical Officer of Health:—

"That he shall prepare an annual report to be made to the end of December, in each year, containing tabular statements as far as he shall have been able to obtain the necessary information, of the diseases and mortality of persons on ship-board within the district, classified according to diseases, ages, sexes, and a summary of the various causes during the year for preventing the spread of disease. The report shall also contain an account of the proceedings in which he has taken part or advised under the Public Health Act, 1875, so far as such proceedings relate to conditions dangerous or injurious to health, and also an account of the regulations framed by him, or on his advice, for better purposes over places and vessels than the Local Sanitary Authority has power to regulate, with the nature and results of any proceedings which may have been so required and taken in respect of the same during the year."

This report is furnished in accordance with the above quoted regulations.

The following Table gives the area of the Docks within the District of the Cardiff Port Sanitary Authority :—

TABLE I.

	Bute West Dock.	Bute East Dock.	Roath Dock.	Queen Alexandra Dock.	Penarth Dock.	Penarth Tidal Harbour	
Width of sea gate	45ft.	55ft.	80ft.	90ft.	60ft.		Width of sea gate
Basin ...	300ft. by 200ft.	380ft. by 250ft.	1,000ft. by 550ft.		400ft. by 330ft.		Basin
Lock ...	152ft. by 36ft.	220ft. by 55ft. Sea Lock 200ft. by 50ft. Inner Lock	350ft. by 80ft. Sea Lock 600ft. by 80ft. Inner Lock	850ft. by 90ft.	270ft. by 60ft.		Lock
Dock ...	4,000ft. by 200ft.	3,300ft. by 500ft. 1,000ft. by 300ft. Total length 4,300ft.	2,400ft. by 600ft.	2,550ft long 800 & 1,000 ft. wide	2,900ft. by 370ft.	North side Total length 13,000ft. South side 3,000ft.	Dock
Depth of Water in Dock	19ft. and 13ft. 6in.	25ft.	30ft to 36ft.	33ft. to 39ft. 6in.	30ft. to 36ft.	From 20ft. to 30ft.	Depth of Water in Dock.
Depth of Water on Sill (Spring tide)	28ft. 6in.	31ft. 6in.	36ft.	42ft.	36ft.		Depth of Water on Sill (Spring tide)
Do. do. (Neap tide)	18ft. 6in.	21ft. 6in.	26ft.	32ft.	26ft.		Do. do. (Neap tide)
No. of coal staiths for shipment of coal	12	15	Roath Basin 4 fixed and 11 movable tips. Roath Dock 11 movable coal cranes and 11 tips.	6 movable tips, and 8 movable coaling cranes.	19	5	No. of coal staiths for shipment of coal.
Water area.	Basin 1½ acres. Dock 18 acres.	Basin, 2¼ acres. Dock, 44 acres.	Basin, 10 acres. Dock, 33 acres.	52 acres.	Basin, 3 acres. Dock, 23 acres.	26 acres.	Water area.



The following Table gives particulars of vessels and tonnage, foreign and coastwise, entering the Cardiff Port Sanitary District, kindly supplied to me by H.M. Collector of Customs.

TABLE II.

YEARS.	NUMBER OF VESSELS.		Total No. of Vessels Foreign and Coastwise.	TONNAGE.		Total Tonnage Foreign and Coastwise inwards.
	Foreign.	Coastwise.		Foreign.	Coastwise.	
1900	3,212	8,858	12,070	3,127,985	2,850,479	5,978,464
1901	2,829	8,755	11,584	2,917,948	2,750,335	5,668,283
1902	2,763	9,337	12,100	2,729,563	2,953,915	5,683,478
1903	2,544	9,130	11,674	2,821,927	2,976,901	5,798,828
1904	2,370	8,635	11,005	2,563,188	3,178,989	5,742,177
1905	2,437	9,959	12,396	2,662,128	3,252,663	5,914,791
1906	2,790	9,306	12,096	3,386,347	3,236,673	6,623,020
1907	3,018	8,798	11,816	3,799,249	3,163,622	6,962,871
1908	2,890	8,163	11,053	3,675,274	2,821,260	6,496,434
1909	2,846	8,400	11,246	3,788,643	3,017,152	6,805,795
1910	2,925	9,340	12,265	3,719,987	3,371,362	7,091,349
1911	2,864	8,991	11,855	3,840,594	3,088,173	6,928,767
1912	3,013	8,009	11,022	3,954,927	3,444,446	7,399,373
1913	3,329	7,806	11,135	4,458,875	3,610,470	8,069,345
1914	2,943	7,423	10,366	4,125,437	3,794,786	7,920,223
1915	3,342	6,401	9,743	3,044,111	3,862,154	6,906,265
1916	5,604	6,913	12,517	5,776,910	5,540,249	11,317,159
1917	3,294	3,518	6,812	2,830,083	903,302	3,733,385
1918	3,414	5,270	8,684	2,847,264	2,800,559	5,647,823
1919	3,622	5,515	9,137	3,380,973	2,421,154	5,802,127
1920	2,914	8,385	11,299	2,480,977	3,261,803	5,742,780

**INFECTIOUS DISEASES.**—During the year under consideration, the Minister of Health made and issued new regulations under Section 130 of the Public Health Act, 1875, relating to Infectious Diseases, which came into operation on the 1st August, 1920, and which extended and modified to some extent the powers and duties which the Port Sanitary Authority already possessed under the Regulations which they had made under Section 125 of the Public Health Act, 1875.

These new Regulations are designated "The Port Sanitary Authorities (Infectious Diseases) Regulations, 1920," and the provisions contained in them are in addition to and not in derogation of the provisions of previous Regulations made by the Local Government Board and at present in force with respect to the powers and duties of Sanitary Authorities and of Medical Officers of Health.

The Regulations apply to any epidemic or acute Infectious Disease, and are not restricted to those specifically mentioned in Regulations previously made by the Board or the Sanitary Authority.

The following is an extract of the principal provisions of the Regulations of 1920:—

3.—For the purposes of these Regulations the Medical Officer of Health shall have power to enter or board any ship, and may cause the ship to be brought to, and, if necessary, moored or anchored in some safe and convenient place while it is visited and examined.

4. The Medical Officer of Health may, and if so required by the Sanitary Authority or by the Minister shall,—

- (a) examine any person who is suffering from infectious disease on board a ship;
- (b) examine any person who is on board a ship, where he has reasonable grounds for believing or suspecting that infectious disease is or may be present on the ship, or that persons on board the ship have been exposed to infection from infectious disease during the voyage of the ship or during a period of three weeks immediately preceding the arrival of the ship in the district.

The following Table gives particulars of vessels and tonnage, foreign and coastwise, entering the Cardiff Port Sanitary District, kindly supplied to me by H.M. Collector of Customs.

TABLE II

YEAR.	Number of Vessels		Tonnage of Vessels of Foreign and Coastwise Countries.	Tonnage		Total Tonnage Foreign and Coastwise Tonnage.
	Foreign	Coastwise		Foreign	Coastwise	
1920	2,014	2,522	11,200	2,480,977	2,592,977	2,742,752
1919	2,212	2,770	8,921	2,827,204	2,916,125	2,947,822
1918	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1917	2,204	2,719	8,812	2,800,080	2,888,892	2,947,822
1916	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1915	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1914	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1913	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1912	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1911	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1910	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1909	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1908	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1907	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1906	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1905	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1904	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1903	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1902	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1901	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822
1900	2,242	2,770	8,812	2,800,080	2,888,892	2,947,822

**INFECTIOUS DISEASES.**—During the year under consideration, the Minister of Health made and issued new regulations under Section 125 of the Public Health Act, 1875, relating to Infectious Diseases, which came into operation on the 1st August, 1920, and which extended and modified to some extent the powers and duties which the Port Sanitary Authority already possessed under the Regulations which they had made under Section 125 of the Public Health Act, 1875.

These new Regulations are designated "The Port Sanitary Authority's Infectious Diseases Regulations, 1920," and the provisions contained therein are in addition to and not in derogation of the provisions of previous Regulations made by the Local Government Board and as regards those with respect to the powers and duties of Sanitary Authorities and of Medical Officers of Health.

The Regulations apply to any epidemic or acute infectious disease, and are not restricted to those specifically mentioned in Regulations previously made by the Board or the Sanitary Authority.

The following is an extract of the principal provisions of the Regulations of 1920:—

2.—For the purposes of these Regulations the Medical Officer of Health shall have power to enter or board any ship, and may cause the ship to be brought to and, if necessary, moored or anchored in some safe and convenient place when it is visited and examined.

4.—The Medical Officer of Health may, and he is required by the Sanitary Authority or by the Minister, to—

- (a) examine any person who is suffering from infectious disease on board a ship;
- (b) examine any person who is on board a ship, when he has reasonable grounds for believing or suspecting that infectious disease is or may be present on the ship, or that persons on board the ship have been exposed to infection from infectious disease during the voyage of the ship or during a period of time which immediately preceded the arrival of the ship in the district.

- (c) examine any person on board a ship who is reasonably believed to be verminous ;
- (d) detain for the purpose of examination either upon the ship or at some appointed place on shore any person whom he is empowered or required under this Article to examine ;
- (e) cause any such person and the clothing of or any other articles belonging to such person to be cleansed and disinfected ;
- (f) prohibit any such person from leaving the ship, or from leaving the ship save upon such conditions as may be specified in writing by the Medical Officer of Health and appear to him to be reasonably necessary to prevent the spread of infection in the district or elsewhere ;
- (g) require the master to take or assist in taking such steps as, in the opinion of the Medical Officer of Health, are reasonably necessary to prevent the spread of infection by any such person, and for the removal of conditions on the ship likely to convey infection, including the destruction of vermin, and the removal of conditions which harbour vermin ;

Provided that any directions given by the Minister to the Medical Officer of Health under this Article shall be forthwith communicated to the Sanitary Authority.

5.—(1) That the Medical Officer of Health may cause any person on the ship who is suffering from infectious disease to be removed, if his condition so permits, to some hospital or other suitable place appointed for that purpose by the Sanitary Authority.

(2) If the condition of any such person does not permit of his removal as aforesaid, the Medical Officer of Health may by notice in writing to the master prohibit his removal or departure from the ship save with the consent in writing of the Medical Officer of Health.

6.—The \*Master of any ship shall—

- (a) notify forthwith the Medical Officer of Health of any case of infectious disease on the ship, and of any circumstances on board the ship likely to lead to infection or the spread of infectious disease, including the sanitary condition of the ship and the presence of dead rats or mortality or sickness among rats in the ship ;
- (b) furnish the Sanitary Authority and the Medical Officer of Health with all such information as may be reasonably required by them for the purposes of these Regulations ;
- (c) comply with any directions or requirements of the Sanitary Authority or the Medical Officer of Health given or made in pursuance of these Regulations ;
- (d) give all such assistance to the Sanitary Authority or the Medical Officer of Health as may be reasonably required by them in the execution of their duties in pursuance of these Regulations.

7. Every person on board a ship shall comply with all directions, requirements or conditions given, made or imposed by the Sanitary Authority or the Medical Officer of Health in pursuance of these Regulations, and shall furnish all such information as may be reasonably required by them (including information as to his name, destination and address), and where any person has for the time being the custody or charge of a child or other person on board a ship who is under disability he shall comply with any directions or requirements so given or made, and shall furnish all such information as aforesaid, in respect of such child or other person.

8. The Sanitary Authority may for the purposes of these Regulations, and if so required by the Minister shall,—

- (a) appoint one or more duly qualified medical practitioners for the purpose of assisting the Medical Officer of Health in the performance of his duties and pay any such practitioner such reasonable remuneration for his services as the Minister may approve ;
- (b) appoint or employ with the approval of the Minister such other persons as they may think fit to exercise or perform under the direction of the Medical Officer of Health or otherwise such powers and duties as the Sanitary Authority may assign to them ;
- (c) provide or arrange for the provision of—
  - (i) premises and waiting rooms for the purposes of medical examination ;
  - (ii) apparatus or means for the cleansing and disinfection of ships, persons, clothing, and other articles ;
  - (iii) premises for the temporary accommodation of persons for whom such accommodation is required for the purposes of these Regulations ;
  - (iv) hospital accommodation for persons to whom these Regulations are applicable ;
  - (v) means of transport ;

\* "Master" includes a pilot, officer or any other person for the time being in charge or command of a ship.

† "Infectious Disease" means any epidemic or acute infectious disease.

- (c) examine any person on board a ship who is reasonably believed to be suffering from infectious disease;
- (d) detain for the purpose of examination either upon the ship or at some appointed place on shore any person whom he is empowered or required under this Article to examine;
- (e) cause any such person and the clothing of or any other articles belonging to such person to be cleaned and disinfected;
- (f) prohibit any such person from leaving the ship or from leaving the ship save upon such conditions as may be specified in writing by the Medical Officer of Health and appear to him to be reasonably necessary to prevent the spread of infection in the district or elsewhere;
- (g) require the master to take or assist in taking such steps as, in the opinion of the Medical Officer of Health, are reasonably necessary to prevent the spread of infection by any such person, and for the removal of conditions on the ship likely to convey infection, including the destruction of records, and the removal of conditions which become serious;

Provided that any directions given by the Master to the Medical Officer of Health under this Article shall be forthwith communicated to the Sanitary Authority.

3—(1) That the Medical Officer of Health may cause any person on the ship who is suffering from infectious disease to be removed to his residence or hospital, or some hospital or other suitable place appointed for that purpose by the Sanitary Authority.

(2) If the condition of any such person does not permit of his removal as aforesaid, the Medical Officer of Health may, by notice in writing to the master, prohibit the removal of such person from the ship save with the consent in writing of the Medical Officer of Health.

6—The Master of any ship shall—

- (a) notify forthwith the Medical Officer of Health of any case of infectious disease on the ship, and of any circumstances on board the ship likely to lead to infection or the spread of infectious disease, including the sanitary conditions of the ship and the presence of dead rats or mice, or of vermin, or of any other thing in the ship;
- (b) furnish the Sanitary Authority and the Medical Officer of Health with all such information as may be reasonably required by them for the purpose of these Regulations;
- (c) comply with any directions or requirements of the Sanitary Authority or the Medical Officer of Health given or made in pursuance of these Regulations;
- (d) give all such assistance to the Sanitary Authority or the Medical Officer of Health as may be reasonably required by them in the execution of their duties in pursuance of these Regulations.

7. Every person on board a ship shall comply with all directions, requirements or conditions given or imposed by the Sanitary Authority or the Medical Officer of Health in pursuance of these Regulations, and shall furnish all such information as may be reasonably required by them (including information as to his name, destination and arrival, and where any person has for the time being the custody or charge of a child or other person on board a ship who is under disability) he shall comply with any directions or requirements as given or made, and shall furnish all such information as aforesaid, in respect of such child or other person.

8. The Sanitary Authority may, for the purpose of these Regulations, and if so required by the Minister shall—

- (a) appoint one or more duly qualified medical practitioners for the purpose of assisting the Medical Officer of Health in the performance of his duties and may, and may cause such practitioners to be remunerated for his services as the Minister may approve;

(b) appoint or employ with the approval of the Minister such other persons as they may think fit to exercise or perform under the direction of the Medical Officer of Health or otherwise such powers and duties as the Sanitary Authority may assign to them;

(c) provide or arrange for the provision of—

- (i) premises and waiting rooms for the purpose of medical examination;
- (ii) apparatus or means for the cleaning and disinfection of ships, persons, clothing, and other articles;
- (iii) premises for the temporary accommodation of persons for whom such accommodation is required for the purpose of these Regulations;
- (iv) hospital accommodation for persons to whom these Regulations apply;
- (v) means of transport;

\* "Disease" includes a fever, unless in any other context in which it is used to mean a specific disease.  
 \* "Infectious disease" means any epidemic or zoonotic infectious disease.

(d) do all such other things as in the opinion of the Sanitary Authority or of the Minister, as the case may be, are necessary for the purpose of enabling the provisions of these Regulations to be complied with.

9.—Article 3 of the Port Sanitary Authorities (Assignment of Powers) Order, 1912 (a) (which relates to the cleansing of berths and cabins), shall be extended so as to apply to the whole of any ship or to any part thereof.

The following notices in pamphlet form relating to the new Regulations are given by the Port Inspectors, to the Masters or persons in charge of ships entering the port and to the Officers of H.M. Customs, Dock Officials and Pilots acting within the district of the Port Sanitary Authorities

These will shortly be translated into several modern languages.

#### CARDIFF PORT SANITARY AUTHORITY

THE PORT SANITARY AUTHORITIES (INFECTIOUS DISEASES) REGULATIONS, 1920,  
DATED JULY 14TH, 1920.

TO THE MASTER OR OFFICER IN CHARGE OF A SHIP.

Every Master or other person in charge of a ship arriving in the Port of Cardiff shall—

- (a) notify forthwith the Medical Officer of Health of any case of Infectious Disease on the ship, and of any circumstances on board the ship likely to lead to infection or the spread of infectious disease, including the sanitary condition of the ship and the presence of dead rats or mortality or sickness among rats in the ship.
- (b) furnish the Sanitary Authority and the Medical Officer of Health with all such information as may be reasonably required by them for the purposes of these Regulations;
- (c) comply with any directions or requirements of the Sanitary Authority or the Medical Officer of Health given or made in pursuance of these Regulations;
- (d) give all such assistance to the Sanitary Authority or the Medical Officer of Health as may be reasonably required by them in the execution of their duties in pursuance of these Regulations;
- (e) take or assist in taking such steps as, in the opinion of the Medical Officer of Health, are reasonably necessary to prevent the spread of infection by any such person, and for the removal of conditions on the ship likely to convey infection, including the destruction of vermin, and the removal of conditions which harbour vermin.

With a view of removing local conditions known to favour the spread of Infectious Diseases, the Masters of Vessels are requested to see to the following, viz. :—

- 1.—That all water supplied to ships for drinking purposes is of good quality.
- 2.—That all receptacles in which water is stored on ship board are of suitable material (iron is best) and that they are kept thoroughly clean.
- 3.—That all water closets are well flushed and kept clean at all times and that they are from time to time sprinkled with carbolic acid or some other deodorant.
- 4.—That no bilge water, refuse or offensive material is allowed to accumulate or putrify on board; and that all places wherein such matters are liable to be deposited are kept at all times thoroughly sweet and clean.
- 5.—That no berth, fore-castle, etc., is overcrowded.
- 6.—That steps are taken to destroy rats and mice on board ship in conformity with the Regulations.

Notification of disease on board ship must be sent to the Medical Officer at his Office, 31, Loudoun Square, Cardiff, or may be given by the Master on the arrival of the ship in the Port to the Boarding Officer of the Port Sanitary Authority on the form of Certificate supplied to him.

NOTE.—By Section 1 (3) of the Public Health Act, 1896, any person who wilfully neglects or refuses to obey or carry out, or obstructs the execution of any regulation made under Section 130 of the Public Health Act, 1875, or under that Section as extended to London by the Public Health (London) Act, 1891, or as amended by the Public Health Act, 1896, is liable to a penalty not exceeding ONE HUNDRED POUNDS, and in the case of a continuing offence to a further penalty not exceeding FIFTY POUNDS for every day during which the offence continues.

(Signed) E. WALFORD,

Medical Officer of Health,

CITY AND PORT OF CARDIFF.

(b) In all such other things as in the opinion of the Sanitary Authority or of the Minister, as the case may be, are necessary for the purpose of enabling the provisions of these Regulations to be complied with.

4.—Article 2 of the Port Sanitary Authorities (Assignment of Powers) Order, 1912 (a) shall have effect as if the opening of orders and contracts shall be extended so as to apply to the whole of any ship or to any part thereof.

The following notices in pamphlets have relating to the new Regulations are given by the Port Inspector, to the Masters or persons in charge of ships entering the port and to the Officers of H.M. Customs, Dock Companies and Pilotage within the district of the Port Sanitary Authority.

These will shortly be translated into several modern languages.

**CARDIFF PORT SANITARY AUTHORITY**

The Port Sanitary Authority (Sanitary District) Regulations, 1920.  
 DATED JULY 1920.

To THE MASTERS OR OFFICERS IN CHARGE OF A SHIP.

Every Master or other person in charge of a ship arriving in the Port of Cardiff shall—

- (a) notify forthwith the Medical Officer of Health of any case of infectious disease on the ship and of any circumstances on board the ship likely to lead to the outbreak or the spread of infectious disease, including the sanitary condition of the ship and the presence of dead rats or vermin or disease among rats in the ship;
- (b) furnish the Sanitary Authority and the Medical Officer of Health with all such information as may be reasonably required by them for the purpose of these Regulations;
- (c) comply with any directions or requirements of the Sanitary Authority or the Medical Officer of Health given or made in pursuance of these Regulations;
- (d) give all such assistance to the Sanitary Authority or the Medical Officer of Health as may be reasonably required by them in the execution of their duties in pursuance of these Regulations;
- (e) take or cause to be taken such steps as, in the opinion of the Medical Officer of Health, are necessary to prevent the spread of infection by any ship, and for the removal of conditions on the ship likely to convey infection, including the destruction of vermin, and the removal of conditions which harbour vermin.

With a view to removing such conditions known to favour the spread of infectious diseases, the Masters of Towns are requested to see to the following, viz:—

- 1.—That all water supplied to ships for drinking purposes is of good quality.
- 2.—That all receptacles in which water is stored on ship board are of suitable material (iron or lead) and that they are kept thoroughly clean.
- 3.—That all water closets are well flushed and kept clean at all times and that they are from time to time sprinkled with caustic soda or some other disinfectant.
- 4.—That no dirty water, urine or offensive material is allowed to accumulate on board; and that all floors, walls, and furniture are kept in a clean and sanitary condition at all times throughout the voyage and clean.
- 5.—That no soap, kerosene, etc., is overboarded.
- 6.—That rats are taken to destroy rats and mice on board ship in conformity with the Regulations.

Notification of disease on board ship must be sent to the Medical Officer at the Office of the Port Sanitary Authority, or may be given by the Master on the arrival of the ship in the Port to the Boarding Officer of the Port Sanitary Authority, on the form of Certificate supplied to him.

NOTE.—By Section 1 (b) of the Public Health Act, 1909, any person who wilfully contravenes or allows to be contravened any provision of any regulation made under Section 123 of the Public Health Act, 1909, is liable to be punished as provided in Section 85 of the Public Health Act, 1909, or as modified by the Public Health Act, 1920, a fine not exceeding £100, or imprisonment for any term not exceeding three months, or both, in the case of a continuing offence, or a further penalty not exceeding £100 for every day during which the offence continues.

(Signed) E. W. ALLIOTT,  
 Medical Officer of Health,  
 Cardiff Port Sanitary Authority.





an additional medical officer as suggested by the Ministry, the duties of Dr. Sheasby, the Assistant Medical Officer, be altered so as to comprise the necessary work, and that his salary be apportioned as follows: £450, Education; £300, Port and V.D.; (b) That the Medical Officer of Health be desired to carry out recommendations Nos. 2 and 3 of the Ministry of Health.

#### PREVENTION AND TREATMENT OF VENEREAL DISEASE.

Regulations relating to this disease were made by the Local Government Board on the 12th July, 1916, enabling the Local Authority to make arrangements with the Managers of hospitals approved by the Board for the treatment of Venereal Disease.

A further letter was issued with respect to the treatment of sailors coming within the jurisdiction of Port Sanitary Authorities.

In accordance with a scheme submitted to the Board by the Local Authority, arrangements were made with the Managers of the Royal Hamadryad Seamen's Hospital for the treatment of Venereal Disease amongst sailors as an out-patient and as in-patient.

The date of the commencement of this work at the hospital was April 16th, 1917.

The following Table shews the number of cases of Venereal Disease dealt with at the Clinic during the year 1920.

TABLE III.

1920	Number of persons attending for the first time (Males)	Total Attendances (Males)	Aggregate number of in-patient days (Males)
1st Quarter ...	315	3,320	1,158
2nd Quarter ...	296	3,009	1,101
3rd Quarter ...	301	3,079	1,196
4th Quarter ...	322	3,464	1,224
Total for year ...	1,234	12,872	4,679

SCABIES.—During the year 90 cases of Scabies amongst seamen were treated at the Corporation Cleansing and Disinfecting Station.

INFLUENZA AND PNEUMONIA.—During the year, Influenza and Pneumonia were prevalent on board ships arriving in the port, and those lying in the various docks. In all cases patients were medically treated, and in most cases they were removed to Hospitals in the motor ambulance.

The spaces occupied on board by the sick persons, together with their effects, were disinfected by the Officers of the Port Sanitary Authority, under the supervision of the Medical Officer of Health.



Table shewing the number of cases of disease dealt with during the year as having occurred on board ship during the voyage or during the vessel's stay in port.

TABLE IV.

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Jan. 5	s.s. "Pretoria" (British)	... .. (Malarial Fever) (Secondary)	Notification received from the Seamen's Hospital that W.W.G., 39 years, a fireman, was suffering from Malarial Fever. He was admitted on December 23rd, 1919, from a boarding house in the City, having left his ship at Glasgow. Bed and bedding from the Hospital, also effects, disinfected.
" 6	s.s. "Perregaux" (French)	Nantes ... (Broncho-Pneumonia)	The Master reported that C.B., 27 years, 1st Officer, was ill on board. He was medically attended and found to be suffering from Broncho-pneumonia and was removed to a nursing home for treatment. His berth was disinfected. Crew examined by Deputy Medical Officer of Health.
" 16	"Ekelund" (Norwegian)	Melbourne ... (Diphtheria)	Notification received from the Seamen's Hospital that O.L., 30 years, A.B., was suffering from Diphtheria. He was forthwith removed to the City Isolation Hospital. His effects and berth disinfected. Patient joined the ship at Cardiff on January 5th, after staying two weeks at a boarding house at Barry. Crew examined by Deputy Medical Officer of Health.
" 16	s.s. "Hansa" (British)	... .. (Typhoid Fever)	Notification received from the Seamen's Hospital, that H.C., 24 years, a fireman, was suffering from Typhoid Fever. He was admitted into Hospital on January 1st, from a boarding house in the City, having left his ship at another port. He died on January 21st. His effects, bed and bedding from the Hospital were disinfected.
" 16	s.s. "Greenwich" (British)	... .. (Primary Pneumonia)	Notification received from the Seamen's Hospital, that A.G., 31 years, an A.B., was suffering from Primary Pneumonia. He was admitted into hospital on January 15th, his vessel lying at Barry Dock. He died on January 17th. His effects, together with bed and bedding from the hospital were disinfected.
" 20	s.s. "Trevelyan" (British)	Blyth & London ... (Typhoid Fever)	The Master reported on arrival at Penarth Dock, at 7.15 p.m., that J.C., 50 years, donkeyman, was ill. He was medically attended and notified to be suffering from Typhoid Fever. He was removed to the City Isolation Hospital the following morning, but died on arrival there. His effects, also berth, were disinfected and a sample of the drinking water was submitted for bacteriological examination, which proved to be contaminated. The water tanks were emptied and cleansed and a fresh supply taken on board.
" 21	s.s. "Ninive" (British)	Antwerp ... (Chicken Pox)	The Master reported on arrival at Roath Dock, that G.H., 38 years, saloon boy, was ill. Medically examined by Deputy Medical Officer of Health and found to be suffering from Chicken Pox. He was isolated and medically treated on board. No other case occurred. His effects and berth were afterwards disinfected.

This showing the number of cases of disease dealt with during the year as having occurred on board ship during the voyage or during the vessel's stay in port.

TABLE IV

DATE 1920	NAME OF SHIP AND NATIONALITY	WHERE FROM AND NATURE OF DISEASE	GENERAL PARTICULARS
Jan 2	S.S. "Trotter" (British)	(Typhoid fever) (Dysentery)	Notification received from the Boston's Hospital that W.W.G. 29 years a seaman, was suffering from Typhoid fever. He was admitted on January 2nd, 1919, from a boarding house in the City having left his ship at Glasgow. Bed and bedding from the Hospital, also sheets, disinfectant.
5	S.S. "Perrin" (French)	Measles (Typhoid fever)	The Master reported that C.H. 27 years, lat. Officer was ill on board. He was medically attended and found to be suffering from Measles-typhoid fever and was removed to a boarding house for treatment. His bed was disinfected. Case examined by Deputy Medical Officer of Health.
10	"Eland" (Norwegian)	Measles (Typhoid fever)	Notification received from the Boston's Hospital that G.L. 30 years, A.M., was suffering from Typhoid fever. He was forthwith removed to the City Isolation Hospital. His effects and berth disinfected. Later joined the ship at Cardiff on January 22nd, after staying two weeks at a boarding house at Barry. Case examined by Deputy Medical Officer of Health.
10	S.S. "Hans" (British)	(Typhoid fever)	Notification received from the Boston's Hospital that H.G. 24 years a seaman, was suffering from Typhoid fever. He was admitted into Hospital on January 1st from a boarding house in the City having left his ship at another port. He died on January 21st. His effects and bed bedding from the Hospital were disinfected.
10	S.S. "Oswald" (British)	(Typhoid fever)	Notification received from the Boston's Hospital that A.L. 21 years an A.M., was suffering from Typhoid fever. He was admitted into Hospital on January 1st from a boarding house at Barry. He died on January 17th. His effects and bedding from the Hospital were disinfected.
20	S.S. "Trevyan" (British)	Measles & Typhoid fever	The Master reported on arrival at Barry that J.C. 27 years, lat. Officer, was ill on board. He was medically attended and notified to the City Isolation Hospital the following morning but died on arrival there. His effects and berth were disinfected and a sample of the drinking water was submitted for bacteriological examination which proved to be contaminated. The water tank was emptied and cleaned and a fresh supply taken on board.
21	S.S. "Nive" (British)	Measles (Typhoid fever)	The Master reported on arrival at Barry that G.H. 24 years, seaman, was ill. Notification received from Deputy Medical Officer of Health and found to be suffering from Measles. He was admitted and medically treated on board. His effects and bedding from the Hospital were disinfected.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Jan. 23	s.s. "Bristol" (American)	Hamburg ... (Diphtheria)	The Master reported that J.G., 19 years, an A.B., was ill on board. He was medically attended: notified to be suffering from Diphtheria and forthwith removed to the City Isolation Hospital. His effects also berth were disinfected. Crew examined by Deputy Medical Officer of Health.
" 29	s.s. "Ninive" (British)	Antwerp ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that P.L., 25 years, a fireman, was suffering from Primary Pneumonia. He was admitted on January 24th. Vessel lying in the Roath Dock. Bed, bedding and effects disinfected.
...	s.s. "Atlantic City" (British)	Havre ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that W.B., 47 years, a fireman, was suffering from Primary Pneumonia. He was admitted on January 23rd, from Barry Dock. His effects, bed and bedding were subsequently disinfected.
Feb. 13	"Oceanide" (French)	Morlaix ... (Influenzal- Pneumonia)	Notification received from a Medical Practitioner in the City, that J.N., 49 years, Master, was ill on board, suffering from Influenzal-Pneumonia. The vessel arrived in dock on January 26th. He was treated on board and his berth was subsequently disinfected.
Feb 17	s.s. "Faro" (Portuguese)	Syracuse ... (Influenzal- Pneumonia, Tuberculosis & Rheumatism)	The Master reported on arrival at Queen Alexandra Dock, that the vessel left Syracuse on February 1st, and just after leaving that Port, J.H.J., 31 years, a fireman, was taken ill and died on the 5th, from Influenzal-Pneumonia. Arrived at Gibraltar on the 5th, where the body was landed for burial. The vessel proceeded to Cardiff and on arrival the crew were medically examined and on the following day A.J.E.C., 16 years, O.S. was notified to be suffering from Tuberculosis and P.A.A., a greaser, suffering from Rheumatism. A.J.E.C. was removed to Glan Ely Tuberculosis Hospital for treatment, and P.A.A. to the Royal Hamadryad Seamen's Hospital. The forecables and men's effects were disinfected. Crew were medically inspected by Deputy Medical Officer of Health.
" 18	s.s. "Svartfond" (Norwegian)	Nantes ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that E.B., 26 years, an A.B., was suffering from Primary Pneumonia. He was admitted on February 3rd, from the s.s. "Svartfond," lying in the Roath Dock. The vessel had sailed previous to receiving notification. His effects together with bed and bedding were subsequently disinfected.
" 18	s.s. "Dalgada" (American)	Bordeaux ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.K., 19 years, A.B., was suffering from Primary Pneumonia. He was admitted on February 4th, the vessel lying in the East Bute Dock. The vessel had sailed previous to receiving notification. His effects together with bed and bedding were subsequently disinfected.

TABLE IV—continued.

DATE 1920	NAME OF SHIP AND NATIONALITY	WHERE FROM AND NATURE OF SICKNESS	GENERAL PARTICULARS
Feb 13	a.s. "Oswald" (French)	Moskva (Infectious Typhus)	Notification received from a Medical Practitioner in the City that J.K., 49 years, Master, was ill on board, suffering from infectious typhus. The vessel arrived in dock on January 10th. He was treated on board and his berth was subsequently disinfectant.
Feb 17	a.s. "Lavo" (Portuguese)	Sydney (Infectious Typhus & Rheumatism)	The Master reported on arrival at Queen Elizabeth Dock that the vessel left Sydney on February 1st, and just after leaving that Port J.M.A., 31 years, a German, was taken ill and died on the 5th. On the 10th the body was landed for burial. The vessel proceeded to Cardiff and on arrival the crew were re-sterilized and on the following day A.L.E., 18 years, O.S. was notified to be suffering from Typhus and P.A.A., a German, suffering from Rheumatism. A.L.E. was removed to Queen Elizabeth Hospital for treatment and P.A.A. to the Royal Infirmary, Cardiff. Crew members and men's effects were disinfectant. Crew was medically inspected by Deputy Medical Officer of Health.
Feb 18	a.s. "Bavaria" (Norwegian)	Nantes (Typhus Typhus)	Notification received from the Seaman's Hospital that M.B., 30 years, an A.B. was suffering from Typhus. He was admitted on February 2nd from the a.s. "Bavaria" lying in the Health Dock. The vessel had called previous to arriving with cancer. His effects together with bed and bedding were subsequently disinfectant.
Feb 18	a.s. "Lilja" (Austrian)	Bombay (Typhus Typhus)	Notification received from the Seaman's Hospital that J.P., 19 years, A.B. was suffering from Typhus. He was admitted on February 1st, the vessel lying in the Health Dock. The vessel had called previous to reaching Cardiff. His effects together with bed and bedding were subsequently disinfectant.
Feb 19	a.s. "Bavaria" (Danish)	Antwerp (Typhus Typhus)	Notification received from the Seaman's Hospital that P.L., 32 years, a German, was suffering from Typhus. He was admitted on January 24th. Vessel lying in the Health Dock. Bed, bedding and effects disinfectant.
Feb 23	a.s. "Herald" (Austrian)	London (Typhus)	The Master reported that J.O., 19 years, an A.B. was ill on board. He was medically attended; notified to be suffering from Typhus and forwarded to the City Seaman's Hospital. His effects and berth were disinfectant. Crew examined by Deputy Medical Officer of Health.

TABLE IV.—continued.

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Feb. 18	s.s. "Nagy Lagos" (French)	Calais ... (Tuberculosis)	Notification received from the Seamen's Hospital, that E.P., 27 years, A.B., was suffering from Tuberculosis. He was admitted on February 13th. His effects and forecabin were disinfected. He was discharged and rejoined the ship on sailing. Bed and bedding from the Hospital disinfected.
" 24	s.s. "Alf" (Norwegian)	Brest ... (Rheumatism)	The Master reported that G.L., 25 years, a fireman, was ill on board. He was medically attended and found to be suffering from Rheumatism and was removed to the Royal Hamadryad Seamen's Hospital for treatment.
" 27	s.s. "Siam" (French)	Brest ... (Dysentery)	Notification received from the Seamen's Hospital, that F.M., 35 years, 3rd Engineer, was suffering from Dysentery. He was admitted into Hospital on January 31st, and the vessel sailed previous to receiving notification.
Mar. 1	... ..	... .. (Measles)	On this date I received information from the Seamen's Hospital, that C.S., 31 years, an A.B., was suffering from Measles. He was forthwith removed to the City Isolation Hospital. He arrived at Cardiff on February 19th, from his home (Shetland Islands) and stayed at the Sailors' Home. His effects, also bed and bedding from Sailors' Home, were disinfected.
" 1	s.s. "Huntsend" (British)	Devonport ... (Influenza)	This vessel arrived after landing troops at Devonport, from Bombay (via Port Said), amongst whom several cases of Influenza had occurred. Application was made for the disinfection of troop decks.
" 10	s.s. "Beckenham" (British)	Liverpool ... (Influenzal-Pneumonia)	Notification received from a Medical Practitioner in the City that D., 23 years, 3rd Officer, was suffering from Influenzal-Pneumonia. He was removed to a nursing home and his effects and berth disinfected.
" 11	s.s. "Grealcaldy" (British)	South Shields ... (Erysipelas)	Notification received from a Medical Practitioner in the City, that F.G.R., 43 years, 1st Engineer, was suffering from Erysipelas. He was forthwith removed to the City Isolation Hospital. His berth and effects disinfected.
" 13	s.s. "Jessie" (Norwegian)	Bilbao ... (Influenza)	The Master reported that C.A., 26 years, a fireman, was ill on board. He was medically attended, found to be suffering from Influenza and removed to the Seamen's Hospital for treatment.
" 15	s.s. "Solli" (Norwegian)	Fecamp ... (Tuberculosis)	Notification received from the Seamen's Hospital, that A.M.W., 43 years, 3rd Engineer, was suffering from Tuberculosis. He was admitted on March 8th, and died on the 25th. His effects, together with bed and bedding were disinfected. Vessel sailed previous to receiving notification.



TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Mar. 15	s.s. "Gulhaug" (Norwegian)	Rouen ... (Tuberculosis)	Notification received from the Seamen's Hospital, that F.B., 31 years, a fireman, was suffering from Tuberculosis. He was admitted January 27th, and died on March 22nd. His effects, together with bed and bedding were disinfected. Vessel sailed previous to receiving notification.
.. 17	s.s. "Velour" (French)	... .. (Relapsing Fever)	Notification received from the Seamen's Hospital, that A.N.L., 35 years, A.B., was suffering from Relapsing Fever. He was admitted February 21st, the vessel lying at Barry Dock. He died March 17th. His effects, together with bed and bedding, were disinfected. Medical Officer of Health, Barry, notified.
.. 17	s.s. "Victoria De Larrinaga" (British)	Manchester ... (Typhoid Fever)	Notification received from the Seamen's Hospital, that T.M., 33 years, an A.B., was suffering from Typhoid Fever. He was admitted on February 6th, the vessel lying in the Queen Alexandra Dock. He died on March 19th. His effects, together with bed and bedding, were disinfected. Vessel sailed previous to receiving notification.
.. 17	s.s. "Cormount" (British)	Portsmouth ... (Influenzal- Pneumonia)	Notification received from a Medical Practitioner in the City that W.S.S., 30 years, 1st Engineer, was suffering from Influenzal-Pneumonia, the vessel lying in the Queen Alexandra Dock. He was removed to a nursing home for treatment and his berth disinfected.
.. 19	s.s. "Rosina" (Greek)	Smyrna via Gibraltar (Influenza)	The Master reported on arrival at Mount Stuart Dry Dock, that E.S., 1st Engineer, was ill on board. He was medically attended and found to be suffering from Influenza and was removed to a nursing home for treatment.
.. 20	s.s. "Asgard" (British)	Buenos Aires to Hull (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.W., 28 years, a fireman, was suffering from Primary Pneumonia. He had left his ship at Hull and was admitted into hospital on March 15th, from a boarding house in the City.
.. 21	s.s. "Harlseywood" (British)	Bilbao ... (Rheumatism)	The Master reported on arrival at the Roath Dock, that R.O.N., A.B., was suffering from Rheumatism. He had been medically attended at Bilbao and was removed to the Seamen's Hospital for treatment. Deputy Medical Officer of Health examined the crew.
.. 24	s.s. "Vacuna" (Italian)	... .. (Influenzal- Pneumonia)	Notification received from the Seamen's Hospital, that M.G., 26 years, a fireman, was suffering from Influenzal-Pneumonia. Patient came to Cardiff from Italy a few days previously to join the ship; admitted into hospital March 23rd, and died on the 25th. His effects, together with bed and bedding, disinfected.

TABLE IV—continued

NO.	NAME OF SILE AND NATIONALITY	WHERE BORN AND NATURE OF DISEASE	GENERAL PARTICULARS
16	Mr. "Gulberg" (Norwegian)	Oslo (Typhoid fever)	Notification received from the Seaman's Hospital, that Mr. G. was a seaman, was suffering from Typhoid fever. He was admitted January 17th, and died on March 1st. His effects, together with bed and bedding were disinfected. Vestal called previous to receiving notification.
17	Mr. "Vick" (British)	London (Typhoid fever)	Notification received from the Seaman's Hospital, that Mr. V. was a seaman, was suffering from Typhoid fever. He was admitted February 1st, the vessel being in the Queen Alexandra Dock. He died on March 1st. His effects, together with bed and bedding, were disinfected. Medical Officer of Health, Harry, notified.
17	Mr. "Victoria De Larnage" (British)	Manchester (Typhoid fever)	Notification received from the Seaman's Hospital, that Mr. D. was a seaman, was suffering from Typhoid fever. He was admitted on February 22nd, the vessel being in the Queen Alexandra Dock. He died on March 1st. His effects, together with bed and bedding, were disinfected. Vestal called previous to receiving notification.
17	Mr. "Gorman" (British)	Perth (Typhoid fever)	Notification received from a Medical Practitioner in the City that Mr. G. was a seaman, was suffering from Typhoid fever. He was admitted on February 22nd, the vessel being in the Queen Alexandra Dock. He was removed to a nursing home for treatment and his death followed.
18	Mr. "Gunn" (Greek)	London (Typhoid fever)	The Master reported on arrival at Seaman's Hospital, that Mr. G. was a seaman, was suffering from Typhoid fever. He was admitted on February 22nd, the vessel being in the Queen Alexandra Dock. He was removed to a nursing home for treatment and his death followed.
19	Mr. "Gunn" (British)	London (Typhoid fever)	Notification received from the Seaman's Hospital, that Mr. G. was a seaman, was suffering from Typhoid fever. He was admitted on February 22nd, the vessel being in the Queen Alexandra Dock. He was removed to a nursing home for treatment and his death followed.
20	Mr. "Haberwood" (British)	London (Typhoid fever)	The Master reported on arrival at the Seaman's Hospital, that Mr. H. was a seaman, was suffering from Typhoid fever. He was admitted on February 22nd, the vessel being in the Queen Alexandra Dock. He was removed to a nursing home for treatment and his death followed.
21	Mr. "Venus" (British)	London (Typhoid fever)	Notification received from the Seaman's Hospital, that Mr. V. was a seaman, was suffering from Typhoid fever. He was admitted on February 22nd, the vessel being in the Queen Alexandra Dock. He was removed to a nursing home for treatment and his death followed.

TABLE IV.—continued.

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Mar.30	s.s. "Castellano" ... (British)	Antwerp ... (Cold)	The Master reported on arrival that A.Me.D., 30 years, a greaser, was ill on board. He was medically attended; found to be suffering from a cold and treated on board.
.. 31	s.s. "Courtown" ... (British)  "Folio" (Norwegian)  "Waka" (American)	Sourabaya ... via Colombo and Port Said (Small Pox)   (Tuberculosis)	The Master reported on arrival that the vessel had come from Sourabaya via Colombo and Port Said. On March 17th, two days after leaving Port Said, H.H., 36 years, an A.B., was taken sick. Arrived at Bremen, March 18th, when he was medically examined and reported to be suffering from Influenza. He was removed to Hospital and four days later notified as suffering from Small Pox. Most of the members of the crew were vaccinated, fore-castles and effects disinfected. Left Bremen March 25th, and on the 30th, F.M., 2nd Officer, was taken sick. Arrived at Penarth Dock, 31st. Deputy Medical Officer of Health examined the crew and found the 2nd Officer suffering from effects of vaccination. Names and addresses of crew taken and effects again disinfected. No other case of sickness occurred during the vessel's stay in Port.
.. 31	s.s. "Mulhouse" ... (French)	Havre ... (Influenza)	On arrival of this vessel in Cardiff Roads, the Master sent on shore for medical aid, which was obtained. J.P., 30 years, a fireman, was found to be suffering from Influenza and was sent on shore to the Seamen's Hospital for treatment. Vessel docked the same day when H.L., 17 years, Cook, was also sent to Seamen's Hospital, suffering from Influenza.
.. 31	s.s. "Kibi Maru, No. 15" (Japanese)	Bordeaux ... (Measles)	Information received from a Medical Practitioner in the City, that K.S., 21 years, Mess Room Steward, was suffering from Measles. He was forthwith removed to the City Isolation Hospital (as the vessel was about to proceed to sea), taking his effects with him.
April 2	s.s. "Merkur" (Finnish)	Hango, Leith and Preston (Measles)	Information received from a Medical Practitioner in the City, that I.A., 20 years, A.B., was suffering from Measles. He was removed to the City Isolation Hospital; fore-castles and effects disinfected. Deputy Medical Officer of Health visited and examined crew.
.. 3	s.s. "Letty" (British)	Plymouth ... (Cold)	The Master reported on arrival at Ely Harbour, that the 2nd Officer was ill on board. Medical assistance obtained and he was found to be suffering from a severe Cold.
.. 3	s.s. "Camerata" (British)	Buenos Aires via St. Vincent and Las Palmas. (Malarial Fever)	The Master reported on arrival at Queen Alexandra Dock, that P.L.J., 35 years, 2nd Officer, was ill on board. Medical assistance obtained and he was notified to be suffering from Malarial Fever. He was sent to his home at Cardiff and his effects and berth disinfected.

TABLE IV—Continued.

DATE AND NATIONALITY	NAME OF SHIP	WHERE BORN AND NATURE OF VESSEL	GENERAL PARTICULARS
Mar 30	a.k. "Estrella" (British)	Antwerp (Belgium)	The Master reported on arrival that A.L. 30 years of age was ill on board. He was medically attended; found to be suffering from a cold and treated on board.
.. 31	a.k. "Couronne" (Belgium)	Rotterdam via Colombo and Port Said (Dutch East India Company)	The Master reported on arrival that the vessel had come from Rotterdam via Colombo and Port Said. On March 17th, two days after leaving Rotterdam, A.L. 30 years of age was taken sick. Arrived at Bombay, March 18th, when he was immediately attended and reported to be suffering from influenza. He was removed to Hospital and four days later died. He was buried in the Hospital. The Master reported that the vessel was under the command of the Master, who was accompanied by the crew and other passengers. The vessel was under the command of the Master, who was accompanied by the crew and other passengers. The vessel was under the command of the Master, who was accompanied by the crew and other passengers.
.. 31	a.k. "Melrose" (British)	Havre (France)	On arrival of this vessel at Cardiff, the Master went on shore for medical aid. He was attended by a doctor, who found him to be suffering from influenza and was sent on board to the ship's Hospital for treatment. He died on the same day when he was 31 years of age. The body was sent to the Hospital for medical examination.
.. 31	a.k. "Kibi Maru" No. 12 (Japanese)	Bombay (India)	Information received from a Medical Practitioner in the City that A.L. 30 years of age had been taken sick on board the vessel. He was taken to the Hospital for treatment. He died on the same day when he was 30 years of age. The body was sent to the Hospital for medical examination.
April 2	a.k. "Maurit" (British)	Large, Lath and Plywood (British)	Information received from a Medical Practitioner in the City that A.L. 30 years of age was taken sick on board the vessel. He was taken to the Hospital for treatment. He died on the same day when he was 30 years of age. The body was sent to the Hospital for medical examination.
.. 3	a.k. "Latta" (British)	Lyons (France)	The Master reported on arrival at the Hospital that the vessel was ill on board. Medical attention was given; found to be suffering from influenza and treated on board.
.. 3	a.k. "Gloria" (British)	London via West and Las Palmas (British)	The Master reported on arrival at the Hospital that the vessel was ill on board. Medical attention was given; found to be suffering from influenza and treated on board.

TABLE IV.—continued.

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
April 5	" Fauvette " ... (French)	Treguier ... (Erysipelas)	On arrival of this vessel in Cardiff Roads, the Master sent on shore for medical aid, which was obtained. J.M.M., 17 years, A.B., was notified to be suffering from Erysipelas. He was sent on shore to the Seamen's Hospital, where he died on April 11th. The vessel arrived in the West Bute Dock on April 7th, when the berth and effects were disinfected.
" 8	s.s. " Follo " ... (Norwegian)	Bayonne ... (Tuberculosis)	Notification received from the Seamen's Hospital, that M.L., 42 years, donkeyman, was suffering from Tuberculosis. He was admitted into Hospital on March 3rd, from Penarth Dock. He died on April 11th. His effects, together with bed and bedding, disinfected.
" 8	s.s. " Wilola " ... (American)	... .. (Tuberculosis)	Notification received from the Seamen's Hospital, that F.H., 29 years, 2nd Engineer, was suffering from Tuberculosis. He was admitted into hospital on March 27th, the vessel lying in Barry Dock. His effects, together with bed and bedding, disinfected.
" 17	s.s. " Baymano " ... (British)	Brest ... (Tuberculosis)	Notification received from the Seamen's Hospital, that G.T., 25 years, Cook, was suffering from Tuberculosis. He was admitted into hospital on April 13th and some time later was removed to Glan Ely Tuberculosis Hospital for treatment. His effects, bed and bedding, disinfected.
" 22	s.s. " Inkerturm " ... (British)	Liverpool ... (Influenzal- Pneumonia)	Notification received from the Seamen's Hospital, that A.R., 25 years, a fireman, was suffering from Influenzal Pneumonia. He was admitted on April 21st, and died on the 22nd. Effects and bedding were disinfected. Medical Officer of Health, Barry, notified.
" 25	s.s. " Monginevro " ... (Italian)	London ... (Diphtheria)	Notification received from a Medical Practitioner in the City, that F.S., 32 years, 2nd Engineer, was suffering from Diphtheria. He was removed to the City Isolation Hospital. Effects and berth disinfected.
May 4	s.s. " Brand " ... (Norwegian)	Blaye... .. (Primary Pneumonia)	Notification received from the Seamen's Hospital, that C.W., 32 years, a fireman, was suffering from Primary Pneumonia. He was admitted on May 4th and died the same day. Patient was landed at Barry on arrival at Barry Roads and the vessel afterwards docked at Queen Alexandra Dock.
" 10	... ..	... .. (Primary Pneumonia)	On this day I received a notification from a Medical Practitioner in the City, that A.H., 57 years, an A.B., staying at the Sailors' Home, was suffering from Primary Pneumonia. He was removed to the City Lodge Hospital for treatment. He had stayed on shore for a considerable time and was employed as an assistant at the Sailors' Home.

AGE AND SEX	NAME OF SHIP AND NATIONALITY	WHERE FROM AND NATURE OF DISEASE	GENERAL REMARKS
16	"Bavaria" (Danish)	Tuberculosis (Tuberculosis)	On arrival of the vessel in Cardiff Harbor, the Master sent to shore for medical aid, which was obtained. J. M. H., 17 years, A. B., was notified to be suffering from Tuberculosis. He was sent on shore to the Seaman's Hospital, where he died on April 11th. The vessel arrived in the West Water Dock on April 7th, when the berth and chest were disinfectant.
15	"Talia" (Norwegian)	Tuberculosis (Tuberculosis)	Notification received from the Seaman's Hospital that M. J., 25 years, Norwegian, was suffering from Tuberculosis. He was admitted into hospital on March 1st from Seaman's Dock. He died on April 11th. His effects, together with bed and bedding, were disinfectant.
14	"Walia" (Danish)	Tuberculosis (Tuberculosis)	Notification received from the Seaman's Hospital that F. H., 20 years, the Captain, was suffering from Tuberculosis. He was admitted into hospital on March 1st, the vessel being in Seaman's Dock. His effects, together with bed and bedding, were disinfectant.
13	"Bavaria" (Danish)	Tuberculosis (Tuberculosis)	Notification received from the Seaman's Hospital that G. T., 22 years, Cook, was suffering from Tuberculosis. He was admitted into hospital on April 1st and some time later was removed to Seaman's Dock. Tuberculosis Hospital for treatment. His effects, bed and bedding, were disinfectant.
12	"Lactonia" (Danish)	Tuberculosis (Tuberculosis)	Notification received from the Seaman's Hospital that A. H., 25 years, a Seaman, was suffering from Tuberculosis. He was admitted on April 1st and died on the 11th. Effects and bedding were disinfectant. Medical Officer of Health, Cardiff, notified.
11	"Mactonia" (Danish)	Tuberculosis (Tuberculosis)	Notification received from a Medical Practitioner in the City that F. S., 22 years, the Captain, was suffering from Tuberculosis. He was removed to the City Seaman's Hospital. Effects and bedding were disinfectant.
10	"Bavaria" (Norwegian)	Tuberculosis (Tuberculosis)	Notification received from the Seaman's Hospital that G. W., 22 years, a Seaman, was suffering from Tuberculosis. He was admitted on May 1st and died on the 11th. Effects and bedding were disinfectant. He was removed to Seaman's Dock. Effects and bedding were disinfectant.
9	"Talia" (Norwegian)	Tuberculosis (Tuberculosis)	On the 1st of August a notification from a Medical Practitioner in the City that A. H., 22 years, an A. B., suffering from Tuberculosis, was notified to be suffering from Tuberculosis. He was removed to the City Seaman's Hospital for treatment. He died on the 11th. Effects and bedding were disinfectant. He was removed to Seaman's Dock as an inmate of the Seaman's Hospital.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
May 12	s.s. "Bordeaux" ... (French)	Rouen ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.S., 24 years, a fireman, was suffering from Primary Pneumonia. He was admitted on May 10th, vessel lying in the Roath Dock. His berth and effects disinfected.
" 13	s.s. "Siddons" ... (British)	Glasgow ... (Primary Pneumonia and Typhoid Fever)	The Master reported on arrival at Queen Alexandra Dock, that C.D., 45 years, a greaser, was ill on board. Medical assistance obtained and he was notified to be suffering from Primary Pneumonia. was removed to the Seamen's Hospital; effects and berth disinfected. On May 20th, patient was notified to be suffering from Typhoid Fever. He had joined the ship at Glasgow, where the water tanks were emptied and cleansed.
" 13	s.s. "Baysarua" ... (British)	... .. (Primary Pneumonia)	Notification received from the Seamen's Hospital, that D.R., 31 years, an A.B., was suffering from Primary Pneumonia. He was admitted the same day from a boarding house in the City, having left his ship some time previously at another Port.
" 26	s.s. "Baron Douglas" ... (British)	Lisbon & Glasgow ... (Small Pox)	On this day I received intimation from the Seamen's Hospital, that J.W., 23 years, Cook, was suffering from a suspicious rash. I examined him and found him to be suffering from Small Pox. He was forthwith removed to the Small Pox Hospital. The vessel arrived at Barry Dock on May 20th, and on the 22nd patient consulted a medical man, who advised him to go to the Seamen's Hospital. He was paid off and stayed at the Sailors' Home the same night, going to the Hospital the following morning. His effects, also room at the Sailors' Home, disinfected. The Medical Officer of Health, Barry, notified.
" 27	s.s. "Espozende" ... (Portuguese)	Brest ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that L.J.G., 37 years, a fireman, was suffering from Primary Pneumonia. He was admitted on May 26th. Forecastle was disinfected.
" 29	s.s. "P. L. M. 7" ... (French)	Rouen ... (Apoplexy)	The Master reported that J.C., 32 years, 1st Engineer, had died suddenly on board that day. Body removed to Mortuary to await inquest. Result: Apoplexy.
" 31	s.s. "Iddesleigh" ... (British)	Aguillas & Glasgow (Tuberculosis)	Notification received from the Seamen's Hospital, that J.K., 28 years, an A.B., was suffering from Tuberculosis. He was admitted into Hospital on April 21st, from a boarding house in the City, having left his ship at Glasgow. Effects and bedding, disinfected.
June 2	s.s. "Capitaine de Beauchamp" ... (French)	Bordeaux ... (Tuberculosis)	Notification received from the Seamen's Hospital, that B.V., 18 years, an A.B., was suffering from Tuberculosis. He was admitted on June 1st from Penarth Dock. Vessel sailed previous to receiving Notification.

TABLE IV.—Continued.

No.	NAME OF BORN AND NATIONALITY	WHERE BORN AND NATURE OF DISEASE	MEDICAL PARTICULARS
17	A. S. "Bridges" (British)	Home (Primary Typhoid fever)	Notification received from the General Hospital, Glasgow, that J. S. 42 years, a farmer, was suffering from Primary Typhoid fever. He was admitted on May 10th, 1904, and died on May 15th. His case is recorded in the General Hospital. His death was due to complications.
18	A. S. "Bridges" (British)	Glasgow (Primary Typhoid fever)	The Master reported on arrival at Greenock Hospital, that J. S. 42 years, a farmer, was ill on board. Medical assistance obtained and he was notified to be suffering from Primary Typhoid fever. He was removed to the General Hospital, Glasgow, and was admitted on May 10th, 1904. He had been suffering from Typhoid fever. He had joined the ship at Glasgow when the water tanks were emptied and cleaned.
19	A. S. "Bridges" (British)	Home (Primary Typhoid fever)	Notification received from the General Hospital, Glasgow, that J. S. 42 years, a farmer, was suffering from Primary Typhoid fever. He was admitted on May 10th, 1904, and died on May 15th. His case is recorded in the General Hospital. His death was due to complications.
20	A. S. "Bridges" (British)	Larbert & Glasgow (Small pox)	On the day I received notification from the General Hospital, Glasgow, that J. W. 23 years, a farmer, was suffering from a mysterious rash. I examined him and found him to be suffering from Small pox. He was removed to the General Hospital, Glasgow, and was admitted on May 10th, 1904. The 23rd patient consulted a medical man who advised him to go to the General Hospital. He was sent off on board at the Larbert. He was the only one right going to the hospital the following morning. He stated the case at the Larbert. His case is recorded in the General Hospital. His death was due to complications.
21	A. S. "Bridges" (British)	Home (Primary Typhoid fever)	Notification received from the General Hospital, Glasgow, that J. S. 42 years, a farmer, was suffering from Primary Typhoid fever. He was admitted on May 10th, 1904, and died on May 15th. His case is recorded in the General Hospital. His death was due to complications.
22	A. S. "Bridges" (British)	Home (Apoplexy)	The Master reported that J. S. 42 years, a farmer, had died suddenly on board that day. He was removed to Larbert to await inquest. Apoplexy.
23	A. S. "Bridges" (British)	Aberdeen & Glasgow (Typhoid fever)	Notification received from the General Hospital, Glasgow, that J. S. 42 years, a farmer, was suffering from Typhoid fever. He was admitted on May 10th, 1904, and died on May 15th. His case is recorded in the General Hospital. His death was due to complications.
24	A. S. "Bridges" (British)	Home (Typhoid fever)	Notification received from the General Hospital, Glasgow, that J. S. 42 years, a farmer, was suffering from Typhoid fever. He was admitted on May 10th, 1904, and died on May 15th. His case is recorded in the General Hospital. His death was due to complications.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
June 8	s.s. "Issoria" (Italian)	Newport ... (Malarial Fever)	Notification received from the Seamen's Hospital, that G.G., 18 years, Cook, was suffering from Malarial Fever. The vessel arrived at Cardiff on March 11th and he was admitted into hospital on June 4th. His effects were disinfected.
" 18	s.s. "The Monarch" (British)	Dublin ... (Rheumatic Fever)	The Master reported on arrival, that J. McL., A.B., was ill on board. Medical treatment obtained and he was removed to the Seamen's Hospital, suffering from Rheumatic Fever.
" 23	s.s. "Edmond Troppey" (French)	Arcachon ... (General Debility)	The Officer in charge reported on arrival that the Master was ill on board. Medical treatment obtained and he was found to be suffering from General Debility.
" 30	s.s. "Reresby" (British)	... (Tuberculosis)	Notification received from the Seamen's Hospital that A.M., 33 years, a fireman, was suffering from Tuberculosis. He was admitted on April 19th, from a boarding house in the City having left his ship at another Port.
" 30	s.s. "Halvar" (Swedish)	Oporto ... (Tuberculosis)	Notification received from the Seamen's Hospital, that G. T., 39 years, a fireman, was suffering from Tuberculosis. He was admitted on June 5th, the vessel lying in the East Bute Dock. Effects, together with bed and bedding, disinfected.
" 30	s.s. "Viator" (Norwegian)	Rouen ... (Continued Fever)	The Master reported on arrival at Roath Dock, on June 12th, that O.S., 23 years, A.B., was ill on board. He was medically attended and removed to the Seamen's Hospital on the 30th. He was notified to be suffering from Continued Fever.
July 2	s.s. "Baikal" (Russian)	Nantes ... (Diphtheria and Rheumatism)	The Master reported on arrival at East Bute Dock, that I.N., 28 years, Cook, was left in hospital on arrival at Nantes, suffering from Diphtheria, taking his effects with him. Also that C.B., 33 years, fireman, and P.C., 24 years, A.B., were laid up. They were removed to the Seamen's Hospital and found to be suffering from Rheumatism. Deputy Medical Officer of Health visited and examined crew.
" 7	s.s. "Sardinia" (British)	St. Johns, N.B., to Avonmouth (Primary Pneumonia)	Notification received from the Seamen's Hospital, that W.B., 24 years, a fireman, was suffering from Primary Pneumonia. He was admitted on June 24th, from a boarding house in the City, having left his ship at Avonmouth. On August 9th, he was notified to be suffering from Tuberculosis.
" 12	s.s. "Irma Woermann" (French)	Marseilles ... (Continued Fever)	Notification received from the Seamen's Hospital, that C.M., 19 years, Mess Room Boy, was suffering from Continued Fever. He was admitted on June 30th, from Barry Dock.

TABLE IV - continued

CASE NO.	NAME OF SHIP AND NATIONALITY	WHERE FROM AND NATURE OF DISEASE	GENERAL STATEMENTS
10	S.S. "Hansa" (British)	Newport (Malabar Fever)	Notification received from the Seaman's Hospital that G.T. 28 years, German, was suffering from Malabar Fever. The vessel arrived at London on March 11th and he was admitted into hospital on June 4th. The details were tabulated.
11	S.S. "The Emerald" (British)	Dublin (Rheumatic Fever)	The Master reported on arrival that J. Mal., A.R. was ill on board. Medical treatment obtained and he was removed to the Seaman's Hospital, suffering from Rheumatic Fever.
12	S.S. "Holland" (French)	Amsterdam (General Debility)	The illness in charge reported on arrival that the Master was ill on board. Medical treatment obtained and he was found to be suffering from General Debility.
13	S.S. "Lombard" (British)	(Tuberculosis)	Notification received from the Seaman's Hospital that J.M. 27 years, a German, was suffering from Tuberculosis. He was admitted on April 19th from a boarding house in the City having left his ship at another port.
14	S.S. "Hansa" (Swedish)	Oslo (Tuberculosis)	Notification received from the Seaman's Hospital that G.T. 28 years, a German, was suffering from Tuberculosis. He was admitted on June 2nd, the vessel lying in the East India Dock. When removed with bed and bedding, tabulated.
15	S.S. "Vesta" (Norwegian)	London (Continued Fever)	The Master reported on arrival at Health Dock on June 11th, that G.T. 28 years, A.R. was ill on board. He was medically attended and removed to the Seaman's Hospital on the 12th. He was notified to be suffering from Continued Fever.
16	S.S. "Hansa" (German)	Hamburg (Typhoid and Rheumatism)	The Master reported on arrival at East India Dock that J.M. 28 years, German, was ill in hospital on arrival at Seaman's Hospital from Typhoid, taking his meals with him. Also that G.R. 22 years, German, and P.L. 24 years, A.R. were ill on board. They were removed to the Seaman's Hospital and found to be suffering from Rheumatism. Deputy Medical Officer of Health visited and examined them.
17	S.S. "Hansa" (British)	St. John, N.H. to Avonmouth (Typhoid)	Notification received from the Seaman's Hospital that W.H. 24 years, a German, was suffering from Typhoid. He was admitted on June 11th from a boarding house in the City, having left the ship at Avonmouth. On August 1st, he was notified to be suffering from Typhoid.
18	S.S. "Hansa" (French)	Marseilles (Continued Fever)	Notification received from the Seaman's Hospital that G.M. 19 years, Man from Hong Kong, was suffering from Continued Fever. He was admitted on June 20th from Health Dock.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
July 12	s.s. "Marshall Allenby" (British)	Burutu to Hull ... (Malarial Fever)	Notification received from the Seamen's Hospital, that P.R., 16 years, Apprentice, was suffering from Malarial Fever. He left his ship at Hull a fortnight previously and came to his home at Dinas Powis and was admitted into hospital on the 13th July and died on the 15th.
" 13	s.s. "Trehawke" (British)	Rio de Janeiro ... via Las Palmas (Typhoid Fever)	The Master reported on arrival at Queen Alexandra Dock, that J.C.B., 27 years, 1st Officer, was sent to hospital at Rio de Janeiro on June 15th, suffering from Typhoid Fever. His berth was fumigated. E.M., 19 years, O.S., was taken ill on June 26th, arrived Las Palmas July 3rd. Medically examined and allowed to proceed in the ship. Left following day and arrived at Barry Roads on July 12th and he was taken on shore to hospital suffering from Typhoid Fever. The vessel docked the following day, when his berth was disinfected. A sample of the drinking water was submitted for bacteriological examination and found to be contaminated. Water tanks emptied and cleansed and refilled. Deputy Medical Officer of Health visited and examined crew.
" 14	s.s. "Sydfold" (Norwegian)	Calais ... (Cold)	The Master reported on arrival at Penarth Dock, that one A.B. was laid up. Medical treatment obtained and he was found to be suffering from a Cold.
" 19	s.s. "Italia" (Italian)	Barrow-in-Furness ... (Erysipelas)	Notification received from the Seamen's Hospital, that O.C., 19 years, a fireman, was suffering from Erysipelas. He was admitted into the Hospital on July 16th, just prior to vessel's sailing.
" 23	s.s. "Gafsa" (French)	Bilbao ... (Tuberculosis)	Notification received from a medical practitioner in the City, that H.G., 20 years, a fireman, was suffering from Tuberculosis. He was admitted to the Seamen's Hospital and subsequently returned to his home at France. His berth, also bedding, disinfected.
Aug. 9	s.s. "Greur" (French)	Bordeaux ... (Peritonitis)	The Master reported that T.C., 58 years, 3rd Engineer, was ill on board. He was medically attended; found to be suffering from Peritonitis and treated on board.
" 16	s.s. "Hessle" (British)	Portland ... (Measles)	The Master reported on arrival that W.S.H., 38 years, 1st Officer, was ill on board. Medical treatment obtained and he was found to be suffering from Measles. He was removed to the City Isolation Hospital; berth and effects disinfected.
" 23	s.s. "Clio" (American)	Dunkirk ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that H.D., 23 years, A.B., was suffering from Primary Pneumonia. He was admitted on August 13th, from the Sailors' Home, having left his ship at Queen Alexandra Dock.



TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Aug. 23	s.s. "Sofia" (British)	... Tralee ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.J., 58 years, A.B., was suffering from Primary Pneumonia. He was admitted on August 7th, the vessel lying at Barry Dock.
Sept. 2	s.s. "Lancelot" (Norwegian)	... St. Malo ... (Typhoid Fever)	Notification received from a medical practitioner in the City, that L.H., 33 years, Master, was suffering from Typhoid Fever. He was removed to hospital and effects disinfected. A sample of the drinking water was submitted for bacteriological examination which proved contaminated. Water tanks emptied, cleansed and a fresh supply taken on board.
.. 14	s.s. "Italia" (Italian)	... Spezia ... (Primary Pneumonia)	Notification received from a medical practitioner in the City, that B.L., 19 years, A.B., was suffering from Primary Pneumonia. He was removed to the Seamen's Hospital, the vessel lying in the Queen Alexandra Dock.
.. 15	s.s. "Granfos" (Norwegian)	... Larne ... (Tonsillitis)	The Master reported on arrival at Penarth Dock, that H.L., 18 years, A.B., was ill on board. Deputy Medical Officer of Health attended and found that he was suffering from Tonsillitis and he was removed to the Seamen's Hospital for treatment.
.. 16	s.s. "Frieda" (Danish)	... Bordeaux ... (Appendicitis)	The Master reported on arrival at Penarth Dock, that W.G., 27 years, fireman, was ill on board. Medical treatment was obtained and he was found to be suffering from Appendicitis. He was removed to the Seamen's Hospital for treatment.
.. 23	s.s. "Starefos" (Norwegian)	... Rouen ... (Diphtheria)	The Master reported on arrival at Penarth Dock, that H.L., 18 years, A.B., was ill on board. Medical treatment obtained and he was notified to be suffering from Diphtheria. He was forthwith removed to the City Isolation Hospital; fore-castle and effects disinfected.
.. 25	s.s. "Amarante" (Portuguese)	... Naples ... via Gibraltar (Typhoid Fever)	The Master reported on arrival, that A.M., 30 years, Assistant Steward, was ill on board. Medical treatment obtained and he was notified to be suffering from Typhoid Fever. He was removed to the City Isolation Hospital. On October 5th, J.P.F., 28 years, Steward, was also notified to be suffering from Typhoid Fever and removed to the City Isolation Hospital. On October 18th, J.P., 26 years, a fireman, was taken sick, removed to the Seamen's Hospital and notified on the 21st to be suffering from Typhoid Fever. All effects and crew quarters were disinfected and a sample of drinking water taken for bacteriological examination, which proved to be of good quality. Deputy Medical Officer of Health visited and examined crew.
.. 26	s.f. "Nogi" (British)	... Sea ... (Pleurisy)	The Master reported on arrival at West Bute Dock, from the Fishing Grounds, that P.M., a deck hand, was ill on board. Medical treatment obtained and he was removed to his home suffering from Pleurisy.

TABLE IV.—Continued.

DATE	NAME OF SHIP AND NATIONALITY	WHERE FROM AND NATURE OF DISEASE	GENERAL PARTICULARS
Aug 23	S.S. "Svein" (Danish)	Typhoid (Typhoid fever)	Notification received from the Surgeon's Hospital, that S. J., 28 years, a Dane, was suffering from typhoid fever. He was admitted on August 23, the vessel being at Henry Dock.
Aug 23	S.S. "Lanskap" (Norwegian)	Scarlet (Typhoid fever)	Notification received from a medical practitioner in the City, that S. H., 23 years, a Dane, was suffering from scarlet fever. He was removed to hospital and placed in isolation. A sample of the discharges and sputum was obtained for bacteriological examination which proved contaminating. Vaseline ointment, charcoal and a tooth supply taken on board.
Aug 23	S.S. "Lanskap" (Norwegian)	Scarlet (Typhoid fever)	Notification received from a medical practitioner in the City, that S. H., 23 years, a Dane, was suffering from scarlet fever. He was removed to the Surgeon's Hospital, the vessel being in the Queen Alexandra Dock.
Aug 23	S.S. "Gardar" (Norwegian)	Lassa (Typhoid fever)	The Master reported on arrival at Henry Dock, that H. J., 18 years, a Dane, was ill on board. Deputy Medical Officer of Health attended and found that he was suffering from typhoid fever and he was removed to the Surgeon's Hospital for treatment.
Aug 23	S.S. "Kjeld" (Danish)	Bordetella (Typhoid fever)	The Master reported on arrival at Henry Dock, that W. J., 27 years, a Dane, was ill on board. Medical treatment was obtained and he was found to be suffering from typhoid fever. He was removed to the Surgeon's Hospital for treatment.
Aug 23	S.S. "Lanskap" (Norwegian)	Scarlet (Typhoid fever)	The Master reported on arrival at Henry Dock, that S. J., 28 years, a Dane, was ill on board. Medical treatment was obtained and he was found to be suffering from typhoid fever. He was removed to the Surgeon's Hospital for treatment and sputum obtained.
Aug 23	S.S. "Lanskap" (Norwegian)	Scarlet (Typhoid fever)	The Master reported on arrival at Henry Dock, that S. J., 28 years, a Dane, was ill on board. Medical treatment was obtained and he was found to be suffering from typhoid fever. He was removed to the Surgeon's Hospital for treatment and sputum obtained.
Aug 23	S.S. "Lanskap" (Norwegian)	Scarlet (Typhoid fever)	The Master reported on arrival at Henry Dock, that S. J., 28 years, a Dane, was ill on board. Medical treatment was obtained and he was found to be suffering from typhoid fever. He was removed to the Surgeon's Hospital for treatment and sputum obtained.
Aug 23	S.S. "Lanskap" (Norwegian)	Scarlet (Typhoid fever)	The Master reported on arrival at Henry Dock, that S. J., 28 years, a Dane, was ill on board. Medical treatment was obtained and he was found to be suffering from typhoid fever. He was removed to the Surgeon's Hospital for treatment and sputum obtained.
Aug 23	S.S. "Lanskap" (Norwegian)	Scarlet (Typhoid fever)	The Master reported on arrival at Henry Dock, that S. J., 28 years, a Dane, was ill on board. Medical treatment was obtained and he was found to be suffering from typhoid fever. He was removed to the Surgeon's Hospital for treatment and sputum obtained.

TABLE IV.—continued.

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Oct. 5	s.s. "Cove" ... (British)	Southampton ... (Erysipelas)	The Master reported on arrival at Queen Alexandra Dock, that J. G. R., 52 years, 3rd Engineer, was ill on board. He was removed to the Seamen's Hospital and found to be suffering from Erysipelas; removed to the City Isolation Hospital and berth disinfected.
" 11	s.s. "Matte" ... (Norwegian)	... .. (Primary Pneumonia)	Notification received from the Seamen's Hospital, that E.H., 25 years, A.B., and V.H., 26 years, A.B., were suffering from Primary Pneumonia. They were admitted on October 4th, the vessel lying at Port Talbot.
" 11	s.s. "Orn II." ... (Norwegian)	... .. (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.L., 27 years, a fireman, was suffering from Primary Pneumonia. He was admitted into hospital on October 7th, the vessel lying at Barry Dock.
" 11	s.s. "Arranmead" ... (British)	Dublin ... (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that C.P., 19 years, Mess Room Steward, was suffering from Malarial Fever. He was admitted September 22nd, from a boarding house in the City, having left his ship some time previously.
" 11	s.s. "Edmonton" ... (British)	... .. (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that P.M., 42 years, donkeyman, was suffering from Malarial Fever. He was admitted October 7th from a boarding house in the City, having left his ship at Marseilles.
Nov. 4	s.s. "Mount Snowdon" ... (British)	Huelva via Garston ... (Typhoid Fever)	The Master reported on arrival that one member of crew had been sent to hospital at Garston, suffering from Typhoid Fever, also two members suffering from Pneumonia. Disinfection carried out at that Port. Deputy Medical Officer of Health visited and examined crew.
" 12	s.s. "Hampshire" ... (British)	Antwerp ... .. (Primary Pneumonia)	Notification received from the Seamen's Hospital, that C. S. H., 26 years, Cook, was suffering from Primary Pneumonia. He was admitted October 22nd, from a boarding house in the City, having left his ship at Leith.
" 12	s.s. "Pendarves" ... (British)	Bathurst ... .. (W.C. Africa) (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that M.B., 33 years, a fireman, was suffering from Malarial Fever. He was admitted November 1st, from a boarding house in the City, having left his ship at Hull.
" 17	s.s. "Fernhill" ... (British)	Dakar via Bilbao ... (Malarial Fever)	The Master reported on arrival at Roath Dock, that most of the members of the crew had been suffering from Malarial Fever and were medically treated at Bilbao. All well on arrival here except two of the members who were still suffering from its effects and the next day were able to proceed to their homes. Deputy Medical Officer of Health visited and inspected crew.

DATE 1950	NAME OF VESSEL AND NATIONALITY	AGES AND SEX	GENERAL PARTICULARS
Nov 8	a.s. "Gora" (British)	... (British)	The Master reported on arrival at Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.
11	a.s. "Gora" (British)	... (British)	Notification received from the Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.
11	a.s. "Gora II" (Norwegian)	... (Norwegian)	Notification received from the Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.
11	a.s. "Arman" (British)	... (British)	Notification received from the Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.
11	a.s. "Arman" (British)	... (British)	Notification received from the Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.
Nov 4	a.s. "Arman" (British)	... (British)	The Master reported on arrival at Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.
12	a.s. "Arman" (British)	... (British)	Notification received from the Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.
12	a.s. "Arman" (British)	... (British)	Notification received from the Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.
17	a.s. "Arman" (British)	... (British)	The Master reported on arrival at Queen Elizabeth Hospital that a 22-year-old British subject, aged 22, had been admitted to the hospital with a fever and was found to be suffering from typhoid fever. The patient was admitted to the hospital and later transferred to the Queen Elizabeth Hospital and later discharged.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Nov. 18	s.s. "Wye Tempest" (British)	Calcutta, Suez, ... Marseilles and Dunkirk. (Venereal Disease, Plague and Bronchitis)	Master reported on arrival at Roath Dock, that T.G., Assistant Steward, was paid off and sent to hospital whilst at Calcutta, on September 13th, suffering from Venereal Disease. On the 29th, whilst at sea, R.W., cook, complained of swelling in groin. Also S.A., a fireman, was taken sick suffering from Bronchitis. Arrived at Aden, October 9th. Crew medically examined and sick men allowed to proceed. Arrived Suez 16th, sick men again examined and R.W. was pronounced to be suffering from Suspicious Plague and was sent to hospital, together with S.A. Vessel and effects disinfected both at Suez and Marseilles. All well on arrival at this Port. Crew medically examined by Deputy Medical Officer of Health and kept under observation also measures taken for destruction of rats on board.
" 20	"Elizabeth" (Peruvian)	Rotterdam ... (Pleurisy)	The Master reported on arrival at East Bute Dock, that G.B., 27 years, A.B., was taken ill on passage from Rotterdam. Medical treatment obtained and he was found to be suffering from Pleurisy and treated on board.
" 22	s.s. "Norwich City" (British)	Newport News ... (Dysentery)	Master reported on arrival at Queen Alexandra Dock, that R.N., 23 years, Cook, was ill on board. He was removed to the Seamen's Hospital and on the 18th, was notified to be suffering from Dysentery. His berth and effects disinfected and a sample of drinking water submitted for bacteriological examination, which proved to be of good quality.
Dec. 1	s.s. "Jupiter" (Spanish)	Dunkirk ... (Colds)	The Officer in charge reported on arrival at Penarth Dock, that the Master, also V.F., an A.B., were ill on board. Medical treatment obtained; they were suffering from severe colds and treated on board.
" 2	s.s. "Hanover" (British)	... (Malarial Fever)  (Recurrent)	Notification received from the Seamen's Hospital, that C.W.T., 18 years, assistant steward, was suffering from Malarial Fever. He was admitted on December 1st, from a boarding house in the City, having left ship abroad.
" 2	s.s. "Gotaland" (Swedish)	Lulea via Middles- brough. (Malarial Fever) (Recurrent)	The Master reported on arrival, that E.J., 26 years, A.B., was ill on board. Medical treatment obtained and he was notified to be suffering from Malarial Fever. He was removed to the Seamen's Hospital and berth disinfected. Deputy Medical Officer of Health attended and examined crew.
" 10	s.s. "Ville de Casablanca" (French)	Marseilles ... (Tuberculosis)	Notification received from the Seamen's Hospital, that M.J., 23 years, A.B., was suffering from Tuberculosis. He was admitted on November 25th (the vessel lying at Port Talbot) and subsequently removed to Glan Ely Tuberculosis Hospital for treatment.

TABLE IV.—continued

DATE	NAME ON BILL AND NATIONALITY	WHERE BORN AND NATURE OF DISEASE	GENERAL PARTICULARS
Oct. 18	A. A. "Wye Transport" (British)	Calcutta, India; Madras and Mysore (British)	Master reported on arrival at Coast Hook that T. D. ... was sent to hospital ... on September 19th, suffering from ... in the foot, which at ... was taken sick suffering from ... on October 2nd. Crew ... and was sent to hospital. ... was pronounced to be suffering from ... and efforts directed together with ... and efforts directed both at sea and ... All well on arrival at ... examined by ... the crew ... examined by ... of health and kept under observation for duration of ...
20	"Hindostan" (Persian)	Hindustan (Persian)	The Master reported on arrival at Coast Hook that G. B., 27 years, A. I., was taken ill on passage from ... Medical treatment obtained and he was found to be suffering from ... and treated on board.
22	A. A. "New York City" (British)	Newport News (Virginia)	Master reported on arrival at Coast Hook that H. K., 25 years, Cook, was ill on board. He was removed to the Seaman's Hospital and on the 19th, was found to be suffering from ... and efforts directed and a sample of ... for bacteriological examination, which proved to be of good quality.
23	A. A. "Lepidus" (British)	India (British)	The Officer in charge reported on arrival at ... that the Master and 4 A. I. were ill on board. Medical treatment obtained and ... were suffering from ... and treated on board.
2	A. A. "Hampden" (British)	Hampden (British)	Notation received from the Seaman's Hospital that G. W. T., 28 years, assistant steward, was suffering from ... He was admitted on December 1st from a boarding house in the City, having left ship ahead.
2	A. A. "Gibraltar" (British)	Gibraltar (British)	The Master reported on arrival that E. L., 28 years, A. I., was ill on board. Medical treatment obtained and he was notified to be suffering from ... He was removed to the Seaman's Hospital and kept under observation. Health attended and ...
10	A. A. "The de ..." (British)	Hampden (British)	Notation received from the Seaman's Hospital that M. A., 22 years, A. I., was suffering from ... He was admitted on November 24th, the crew being at that time ... and subsequently removed to the Seaman's Hospital for treatment.

TABLE IV.—continued.

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Dec. 12	s.s. "Grelorm" (British)	Algiers ... (Malarial Fever) (Recurrent)	The Master reported on arrival at Queen Alexandra Dock, that T.S.M., 35 years, 2nd Engineer, was ill on board. He was medically attended and found to be suffering from Malarial Fever and removed to the Seamen's Hospital for treatment.
" 13	s.s. "Graaf Lodewijk" (Dutch)	Bayonne ... (Rheumatic Fever)	The Master reported on arrival, that A.S., 46 years, was ill on board. He was medically attended and found to be suffering from Rheumatic Fever, and removed to the Seamen's Hospital for treatment.
" 14	s.s. "Talisman" (Norwegian)	Bordeaux ... (Tonsillitis)	The Master reported on arrival, that R.L., 20 years, A.B., and N.J., 28 years, 2nd Engineer, were ill on board. Medical treatment obtained and they were found to be suffering from Tonsillitis. Treated on board.
" 16	s.s. "Stokke" (Norwegian)	Senegal via Dunkirk (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that N.S., 31 years, and M.E., 24 years, firemen, were suffering from Malarial Fever. They were admitted on December 15th, the vessel lying at Barry Dock.
" 17	"Wilhelmina" (Dutch)	Treport ... (Pleurisy)	The Master reported on arrival at West Bute Dock, that J. Van D., 65 years, A.B., was ill on board. He was medically attended; found to be suffering from Pleurisy and removed to the Seamen's Hospital for treatment.
" 20	s.s. "Gredon" (British)	Antwerp ... (Typhoid Fever & Congestion of Lungs)	The Master reported on arrival, that W.C., 34 years, Cook, was taken to hospital at Antwerp on Dec. 14th, suffering from Typhoid Fever. His effects and berth disinfected at that Port. On arrival here, P.B., 48 years, Carpenter, was reported ill on board. He was medically attended; found to be suffering from Congestion of Liver and treated on board.
" 21	s.s. "Corstar" (British)	London ... (Pleurisy)	The Officer in charge reported on arrival, that R.R., Master, was ill on board. He was medically attended, found to be suffering from Pleurisy and subsequently removed to his home.
" 28	"Fort de France" (French)	Bordeaux ... (Malarial Fever) (Recurrent)	The Master reported that M.P., 28 years, A.B., was ill on board. He was removed to the Seamen's Hospital and found to be suffering from Malarial Fever. Vessel lying at Penarth Dock.
" 29	s.s. "Sines" (Portuguese)	Porto Maurizio and Gibraltar. (Primary Pneumonia)	Notification received from a medical practitioner in the City, that M.L., 39 years, fireman, was suffering from Primary Pneumonia. He was removed to the Seamen's Hospital for treatment.
" 29	s.s. "Harriet" (Norwegian)	Bordeaux ... (Malarial Fever) (Recurrent)	Notification received from a medical practitioner, that A.A., 39 years, 1st Engineer, was suffering from Malarial Fever. He was removed to a nursing home for treatment.

TABLE IV.—continued.

DATE (1921)	NAME OF CASE AND NATIONALITY	WHERE FROM CASE (NATURE OF LESIONS)	GENERAL FINDINGS
Nov. 12	M. A. "Gordon" (British)	Algeria (Malaria fever) (Parasites)	The Master reported on arrival at Queen Elizabeth Hospital that M. A., 25 years, had been ill for 10 days. He was medically attended and found to be suffering from Malaria fever and was removed to the Hospital for treatment.
13	M. A. "Gard" (British)	Belgium (Malaria fever)	The Master reported on arrival that M. A., 25 years, was ill on board. He was medically attended and found to be suffering from Malaria fever and was removed to the Hospital for treatment.
14	M. A. "Talbott" (Swedish)	Belgium (Typhoid fever)	The Master reported on arrival that M. A., 25 years, was ill on board. He was medically attended and found to be suffering from Typhoid fever and was removed to the Hospital for treatment.
16	M. A. "Gibbs" (Swedish)	Belgium (Malaria fever) (Parasites)	Notification received from the Master's Hospital that M. A., 25 years, was ill on board. He was medically attended and found to be suffering from Malaria fever and was removed to the Hospital for treatment.
17	"Wilmot" (British)	Tripoli (Typhoid fever)	The Master reported on arrival at West India Dock that M. A., 25 years, was ill on board. He was medically attended and found to be suffering from Typhoid fever and was removed to the Hospital for treatment.
20	M. A. "Gordon" (British)	Belgium (Typhoid fever) (Parasites)	The Master reported on arrival that M. A., 25 years, was ill on board. He was medically attended and found to be suffering from Typhoid fever and was removed to the Hospital for treatment.
21	M. A. "Gard" (British)	London (Typhoid fever)	The Master reported on arrival that M. A., 25 years, was ill on board. He was medically attended and found to be suffering from Typhoid fever and was removed to the Hospital for treatment.
22	"Fort de France" (French)	Belgium (Malaria fever) (Parasites)	The Master reported that M. A., 25 years, was ill on board. He was removed to the Hospital and found to be suffering from Malaria fever. He was removed to the Hospital for treatment.
23	M. A. "Gard" (Swedish)	India (Malaria fever) (Parasites)	Notification received from a medical practitioner that M. A., 25 years, was ill on board. He was medically attended and found to be suffering from Malaria fever and was removed to the Hospital for treatment.
24	M. A. "Harris" (Swedish)	Belgium (Malaria fever) (Parasites)	Notification received from a medical practitioner that M. A., 25 years, was ill on board. He was medically attended and found to be suffering from Malaria fever and was removed to the Hospital for treatment.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Dec. 30	s.s. "Fotinia" (British)	... (Erysipelas)	Notification received from the Seamen's Hospital, that F.N., 33 years, A.B., was suffering from Erysipelas. He was removed to the City Isolation Hospital and effects disinfected. He was admitted from the Sailors' Home, having left his ship at Middlesbrough.

### CHOLERA, PLAGUE AND YELLOW FEVER.

No vessels entered the port during the year 1920 directly from infected ports. During the year the Rat-catchers were engaged on board 48 vessels and in 53 warehouses on the docks, and the total number of rats caught and subsequently destroyed amounted to 7,537.

The Memorandum of the Medical Officer of Health of the Local Government Board issued to Sanitary Authorities in November, 1910, described (1) The Symptoms of Plague; (2) The Diagnosis; (3) The Method of Spread; (4) Rats as being the source of Plague.

Your Committee are aware of the systematic destruction of rats which is carried on in your Port Sanitary District and the warehouses on the Docks.

RATS AND MICE (DESTRUCTION) ACT, 1919, came into operation on 1st January, 1920.

The Act has to be enforced by the Local Authority (Urban and Port). An "Occupier" of "land" is required, under a penalty of £5, to take action to free his premises of rats and mice, but provision is made for service by the Local Authority, or any Committee of the Local Authority to which the exercise of powers may be delegated, of a Notice on the "occupier," requiring him to take such steps as are prescribed in the Notice, within a time specified therein, and this can be enforced by a fine of £20. The Local Authority may also, after not less than 24 hours' previous notice to the "occupier," enter upon the "land" and take such steps as are necessary and reasonably practicable for freeing the premises from rats and mice, and may recover all reasonable expenses so incurred. A notice purporting to be signed by the Clerk of a Local Authority, shall, in the absence of proof to the contrary, be deemed to have been signed by the Clerk with the authority of the Local Authority. The expression "occupier" means, in the case of land which is unoccupied, the owner; and "land" includes any buildings and other erection on land, and any cellar, sewer, drain or culvert in or under land. The Act applies to a vessel as if the vessel were land, and the Master shall be deemed to be the occupier. Proceedings under the Act are only to be instituted by or with the authority of the Board or the Local Authority. The expenses of executing the Act are to be paid (a) Urban, under the Public Health Act, 1875; and (b) Port, as part of the Port Sanitary Expenses.

The Port Sanitary Authority recommend that the duty of carrying out the provisions of the Rats and Mice (Destruction) Act, 1919, in the City of Cardiff and in the area of the Cardiff Port Sanitary Authority be delegated to the Health and Port Sanitary Committee, with all the powers therein mentioned, and that they be made executive and authorised to serve all notices thereunder, and that Chief Inspector Sam Evans (Urban) be appointed to carry out this Act and any orders legally made thereunder in the City, and Chief Inspector D. Jenkins in the area of the Cardiff Port Sanitary Authority (under the Medical Officer of Health) and that they be each authorised in writing for all purposes mentioned in the said Act, and specially for the purpose of Section 5 (4) thereof; and that the Common Seal be affixed to all documents hereunder; and that the Medical Officer of Health order all necessary books and forms, and advertise the provisions of the Act in the City and Port Sanitary District.



## CITY AND PORT OF CARDIFF.

## RATS AND MICE (DESTRUCTION) ACT, 1919.

This Act came into operation on 1st January, 1920.

## PENALTIES FOR FAILURE TO DESTROY RATS AND MICE.

Any person who shall fail to take steps as may from time to time be necessary and reasonably practicable for the destruction of rats and mice on or in any land of which he is the Occupier, or for preventing such land from becoming infected with rats and mice, shall be liable on summary conviction to a fine not exceeding FIVE POUNDS, or where he has been served with a Notice under this Act requiring him to take such steps, not exceeding TWENTY POUNDS.

The expression "Occupier" means, in the case of land not occupied by any tenant or other person, the Owner of the land.

The expression "Land" includes any buildings, and any other erection on land, and any cellar, sewer, drain or culvert in or under land.

This Act shall apply to a Vessel as if the Vessel were "Land" and the Master of the Vessel shall be deemed to be the "Occupier" thereof.

## METHODS AND PREVENTIVE MEASURES.

The most effective methods for destroying rats and mice embrace the use of traps, snares, ferrets, dogs, fumigation, and the use of poisons. The safest poisons have been found to be preparations of Squills and Barium Carbonate. Poison should be laid in such a way that human beings, domestic animals, poultry, etc. cannot obtain access to it. The laying of baits containing any poison should be carried out with the utmost care. The actual amount laid in each single rat-hole or burrow should be as small as possible to obtain the results aimed at. The position of these places should be noted, and any dead rats found afterwards should be burnt or destroyed, to prevent domestic animals getting at the carcasses. Previous to the laying of poisons, the owners of poultry, dogs, pigs and other animals frequenting or likely to come near places where poison has been laid should be warned, and, after an interval of a few days, all unconsumed baits should be removed or destroyed.

Attention should be specially directed to all drains, waste, food and grain stores and stacks, etc.

Before threshing commences, stacks should be surrounded with fine meshed wire, not less than 4 feet in height, to prevent rats escaping.

Persons desiring information on the subject of rat or mice destruction, or experiencing any difficulty in obtaining suitable materials for that purpose, should apply to the Inspector of Nuisances, at the City Hall, Cardiff, or at the Port Sanitary Authority, 31, Loudoun Square, Cardiff, to whom all complaints should be addressed.

CECIL G. BROWN,

*Town Clerk and Clerk to the Cardiff Port Sanitary Authority.*

Continuous inspection and measures were taken on and around the docks, premises, lands, etc. during the year, under the above Rats and Mice (Destruction) Act, and as the result of baiting with poison, 4,673 rats and mice were found dead.

CITY AND PORT OF GARDNER

HEALTH AND WELFARE (HEALTH) ACT, 1912

This Act came into operation on the 1st January, 1913.

PROVISIONS FOR THE PURPOSES OF THIS ACT

Any person who shall fail to take steps as may from time to time be necessary and proper... for the destruction of rats and mice or any kind of which he is the possessor... or for preventing such rats from becoming infested with rats and mice, shall be liable on summary conviction to a fine not exceeding five pounds, or where he has been served with a Notice under this Act requiring him to take such steps, not exceeding twenty pounds.

The expression "Gardner" means, in the case of land not comprised by any lease or other power, the owner of the land.

The expression "land" includes any building and any other erection on land, and any other sewer, drain or conduit in or under land.

This Act shall apply to a vessel as if the vessel were "land" and the master of the vessel shall be deemed to be the "Gardner" thereof.

MEASURES AND PREVENTIVE MEASURES

The most effective methods for destroying rats and mice embrace the use of traps, snares, poisons, dogs, fumigation, and the use of poisons. The most poisons have been found to be the most effective. Poisons should be laid in such a way that human beings, domestic animals, poultry, and cannot obtain access to it. The laying of such poisons should be carried out with the utmost care. The actual amount laid in each single rat-trap or snare should be as small as possible to obtain the results aimed at. The position of these traps should be noted, and any dead rats found afterwards should be burnt or destroyed, in order to prevent the spread of disease. For the purpose of the laying of poisons, the carcasses of poultry, dogs, pigs and other animals kept in or about the premises where poisons have been laid should be removed, and after an interval of a few days all unremoved rats should be removed or destroyed.

Attention should be specially directed to all drains, waste, food and grain stores and stacks, etc.

Before threshing commences, stacks should be surrounded with barbed wire, and less than 4 feet in height, to prevent rats escaping.

Persons desiring information on the subject of rat or mice destruction, or experiments in any difficulty in obtaining suitable materials for that purpose, should apply to the Inspector of Nuisances at the City Hall, Cardiff, or at the Port Sanitary Authority, 21, London Square, Cardiff, to whom all complaints should be addressed.

ORDINANCE

Whereas the City and Port Sanitary Authority... Continuous inspection and measures were taken on and around the docks, premises, tanks, etc. during the year, under the above Acts and other Acts, and as the result of having with poisons, 4,472 rats and mice were found dead.

Table showing the number of Rats caught and destroyed each month during the year 1929 on board ships in the Docks and Warehouses on the Docks, also the number and species submitted to the Cardiff and County Public Health Laboratory for bacteriological examination by Mr. J. H. Sugden, M.Sc., F.I.C.

TABLE V.

Date, 1929	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.		No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected				
January	Nil.	Nil.	Nil.	Nil.	...	Trapping	2 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
					...	do.	3 Mus. Rattus 1 Mus. Decumanus	Negative No evidence of B. Pestis
					81	do.	3 Mus. Rattus 1 Mus. Decumanus	Negative No evidence of B. Pestis
					40	do.	1 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
					48	do.	4 Mus. Rattus	Negative No evidence of B. Pestis
					57	do.	1 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
					225	do.	4 Mus. Rattus	Negative No evidence of B. Pestis
					300	do.	2 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
					42	do.		
					49	do.	1 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
February					267	do.		
					49	do.	4 Mus. Decumanus	Negative No evidence of B. Pestis
					49	do.		



Date, 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.		No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected				
February ...	Nil.	Nil.	Nil.	Nil.	149	Trapping	3 Mus. Rattus	Negative No evidence of B. Pestis
					43	do.	5 Mus. Decumanus	Negative No evidence of B. Pestis
					62	do.		
					153	do.		
March ...	Nil.	Nil.	Nil.	Nil.	39	do.	1 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
					92	do.	4 Mus. Rattus	Negative No evidence of B. Pestis
					63	do.	2 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
					157	do.	3 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
					53	do.	1 Mus. Rattus 4 Mus. Decumanus	Negative No evidence of B. Pestis
					46	do.		
					94	do.		
April ...	Nil.	Nil.	Nil.	Nil.	84	do.	3 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
					114	do.		



Month	Ship Name	Location	Number of Mice	Species	Result
	s.s. "Armar," Gloves		87	do.	
	s.s. "Canastota," Durban and Falmouth		189	do.	
	s.s. "Begona No. 5," Manchester		116	do.	3 Mus. Rattus 1 Mus. Decumanus Negative No evidence of B. Pestis
	"B" Warehouse, Queen Alexandra Dock		75	do.	4 Mus. Rattus Negative No evidence of B. Pestis
	s.s. "Duke of Cornwall," Liverpool		116	do.	4 Mus. Decumanus Negative No evidence of B. Pestis
	"C" Warehouse, Queen Alexandra Dock		71	do.	4 Mus. Decumanus Negative No evidence of B. Pestis
	"G" Warehouse, Queen Alexandra Dock		83	do.	4 Mus. Rattus Negative No evidence of B. Pestis
	"Cold Stores," Queen Alexandra Dock		42	do.	4 Mus. Decumanus Negative No evidence of B. Pestis
	"F" Warehouse, Queen Alexandra Dock		66	do.	4 Mus. Decumanus Negative No evidence of B. Pestis
	s.s. "Burnhope," Bilbao		96	do.	
	s.s. "King Edward," Dublin		316	do.	
	s.s. "Visigoth," Dublin		172	do.	2 Mus. Rattus 2 Mus. Decumanus Negative No evidence of B. Pestis
	s.s. "Ryburn," Bilbao		104	do.	
	s.s. "Begona No. 5," Carthagena		67	do.	
	s.s. "Arraiz," Bilbao		94	do.	5 Mus. Rattus 1 Mus. Decumanus Negative No evidence of B. Pestis
	"No. 2" Warehouse, Roath Dock		62	do.	2 Mus. Rattus 2 Mus. Decumanus Negative No evidence of B. Pestis
May	Nil.	Nil.			
June	Nil.	Nil.			



Date, 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.		No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected				
June	Nil.	Nil.	Nil.	"No. 1" Warehouse, Roath Dock	44	Trapping	2 Mus. Rattus	Negative No evidence of B. Pestis
				Motor "Jessie Norcross," Swansea	70	do.	7 Mus. Decumanus	Negative No evidence of B. Pestis
				s.s. "Glofield," La Plata and Dublin	99	do.		
				s.f. "Settsu," Sea (Fish)	11	do.		
				"Cold Stores," Warehouse, Roath Dock	44	do.	4 Mus. Decumanus	Negative No evidence of B. Pestis
				"A" Warehouse, Queen Alexandra Dock	55	do.		
				"Monkbarns," Bristol	113	do.	4 Mus. Rattus	Negative No evidence of B. Pestis
				"York" Warehouse, East Bute Dock	49	do.	2 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
				s.s. "Frances Duncan," Liverpool	64	do.		
				"Stuart" Warehouse, East Bute Dock	51	do.	2 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
July				"Clarence" Warehouse, East Bute Dock	42	do.	3 Mus. Decumanus	Negative No evidence of B. Pestis
				s.s. "Baikal," Nantes	117	do.	4 Mus. Decumanus	Negative No evidence of B. Pestis
				s.s. "Finchley," Santiago de Cuba & Greenock	251	do.	3 Mus. Rattus 1 Mus. Decumanus	Negative No evidence of B. Pestis
				"A" Warehouse, East Bute Dock	43	do.	4 Mus. Decumanus	Negative No evidence of B. Pestis



				4-8	do.	4 Mus. Decumanus	Negative No evidence of B. Pestis
	"A" Warehouse, East Bute Dock			22	do.	3 Mus. Decumanus	Negative No evidence of B. Pestis
	s.s. "Pala," Taranto			68	do.	2 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
August	"B" Warehouse, Queen Alexandra Dock	Nil.	Nil.	43	do.	2 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
	s.s. "Emilia S. de Perez," Rotterdam			30	do.	4 Mus. Decumanus	Negative No evidence of B. Pestis
	"A" Warehouse (Bond), East Bute Dock			26	do.		
	s.s. "Lyme Regis," Treport			12	do.		
	"G" Warehouse, Queen Alexandra Dock			51	do.	1 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
	"C" Warehouse, Queen Alexandra Dock			42	do.	3 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
	"Cold Stores," Roath Dock			22	do.	2 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
	"Cold Stores" Warehouse, Roath Dock			55	do.		
September	"No. 2" Warehouse, Roath Dock	Nil.	Nil.	33	do.	1 Mus. Rattus 3 Mus. Decumanus	Negative No evidence of B. Pestis
	"No. 1" Warehouse, Roath Dock			43	do.	3 Mus. Decumanus	Negative No evidence of B. Pestis
	s.s. "Slemish," Portland			15	do.		
	s.s. "Bayramento," Bordeaux			11	do.		
	s.s. "Redemirol," Bordeaux			25	do.		



Date, 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.		No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected				
September ...	Nil.	Nil.	Nil.	Nil.	68	Trapping	...	...
				Other Vessels and where from and Warehouses.				
				"York" Warehouse, East Bute Dock	55	do.	3 Mus. Decumanus	Negative No evidence of B. Pestis
October ...	Nil.	Nil.	Nil.	"Stuart" Warehouse, East Bute Dock	18	do.	2 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
				"Clarence" Warehouse, East Bute Dock				
				"A" Warehouse, ... East Bute Dock	31	do.	1 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
				"A" Warehouse (Bond), East Bute Dock	28	do.	1 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
				s.s. "Grangetown," Workington	18	do.		
				s.s. "Henry Furst," Portland	114	do.		
				s.s. "E. M. Dalgas," Boness	23	do.		
				s.s. "Lady Bertha," Chantenay	96	do.	4 Mus. Rattus	Negative No evidence of B. Pestis
				s.s. "Erissos," Rougie	296	do.	3 Mus. Rattus 1 Mus. Decumanus	Negative No evidence of B. Pestis
November ...	Nil.	Nil.	Nil.	"G" Warehouse, ... Queen Alexandra Dock	48	do.	1 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis
				"F" Warehouse, ... Queen Alexandra Dock	21	do.	1 Mus. Rattus 1 Mus. Decumanus	Negative No evidence of B. Pestis
				"A" Warehouse, ... Queen Alexandra Dock	45	do.	3 Mus. Rattus 2 Mus. Decumanus	Negative No evidence of B. Pestis

"C" Warehouse, ... do.  
Queen Alexandra Dock 42



Date	Place	Specimens	Result	Remarks
December ...	Nil.	Nil.	Nil.	
December ...	Nil.	Nil.	Nil.	
42	"C" Warehouse, Queen Alexandra Dock	...	do.	
47	"B" Warehouse, Queen Alexandra Dock	...	do.	2 Mus. Rattus 2 Mus. Decumanus ... Negative No evidence of B. Pestis
15	s.s. "Orin," Sunderland	...	do.	
55	s.s. "Arko," Newport	...	do.	
17	s.s. "Valkyrian," Grimsby	...	do.	
10	"No. 1" Warehouse, Roath Dock	...	do.	
30	s.s. "Comet," Devonport	...	do.	
71	s.s. "Hillegom," Bilbao	...	do.	
58	"No. 2" Warehouse, Roath Dock	...	do.	1 Mus. Rattus 3 Mus. Decumanus ... Negative No evidence of B. Pestis
39	"York" Warehouse, East Bute Dock	...	do.	
64	"Stuart" Warehouse, East Bute Dock	...	do.	1 Mus. Rattus 5 Mus. Decumanus ... Negative No evidence of B. Pestis
51	s.s. "Gotaland," Lulea and Middlesbrough	...	do.	
83	s.s. "Graziella," Bristol	...	do.	
60	"Elizabeth," Rotterdam	...	do.	
296	s.s. "Amarante," Naples and Gibraltar	...	do.	
31	"Clarence" Warehouse, East Bute Dock	...	do.	



TABLE V.—continued.

Date, 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.			No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected	Other Vessels and where from , and Warehouses.				
December ...	Nil.	Nil.	Nil.	Nil.	" A " Warehouse (Bond), East Bute Dock	26	Trapping		
					s.s. " Margit," Newport	41	do.		
					s.s. " Torland," Liverpool	26	do.		
					TOTALS ...	7,537	..	240	



A strict examination is made of all vessels on arrival at H.M. Customs Boarding Stations during the day and night tides, whether directly or indirectly from Infected or Suspected ports.

These vessels are dealt with in accordance with the Regulations of the Local Government Board of the 9th September, 1907.

**HOSPITAL ACCOMMODATION.**—The Hospital on the Flat Holm Island is intended solely for the reception of persons suffering from Cholera, Yellow Fever, or Plague on board Ships. It consists of one pavilion containing two Wards and Nurses' Rooms, Bathrooms, Lavatories, etc. Each Ward contains six beds. In addition to and adjoining the Hospital there is a small Ward with four beds, formerly used for Cholera patients, making altogether permanent accommodation for sixteen patients. At the same time there is ample space on the Island, *i.e.*, about 40 acres, for any temporary extension which might be required. In connection with these buildings is a complete Laundry, a Mortuary, a Post-Mortem Room, and a Crematorium for the destruction of the bodies of persons dying in the Hospital or on board an infected ship. The Caretakers reside in a house adjoining the Hospital belonging to the Port Sanitary Authority, and which is used when required for administrative purposes. An arrangement exists between some other Port Sanitary Authorities and Cardiff in connection with the Hospital accommodation on the Flat Holm Island as follows :—

The Bristol Port Sanitary Authority have the use, on payment of fees, of the Crematorium on the Island for the cremation of bodies of persons dying of Cholera, Yellow Fever, or Plague within their District.

The Cardiff Port Sanitary Authority have agreed to receive into their Hospital on the Flat Holm Island, and to provide all necessary treatment and food for patients sent to the Hospital from the District of the Newport Sanitary Authority, and to cremate the bodies of any such patients who may die in the Hospital, on payment of £40 per annum, and £3 3s. per week for the first Newport patient received into the Hospital, and £2 2s. per week for every additional patient, and a sum of £7 7s. in respect of the cremation of every body of any such patient dying in the Hospital.

An agreement exists between the Port Sanitary Authorities of Cardiff and Barry of a similar character to that between Cardiff and Newport.

By agreement also the Bridgwater Port Sanitary Authority are entitled to send patients into the Cardiff Hospital on payment of an annual sum of £20, and of sums for maintenance of patients similar to the other Authorities.

#### CARDIFF PORT SANITARY AUTHORITY.

##### ESTIMATE OF EXPENDITURE FOR YEAR ENDING 31ST MARCH, 1921.

###### SALARIES AND REMUNERATION OF OFFICERS AND ASSISTANTS.

	£	s.	d.	£	s.	d.
Clerk and Treasurer	50	0	0			
Medical Officer of Health	200	0	0			
Assistant Medical Officer of Health	150	0	0			
Chief Inspector	380	0	0			
Assistant Inspectors	2,900	0	0			
Uniforms and Boot Allowance	165	0	0			
				3,845	0	0

###### COST OF REMOVING NUISANCES AND OF DISINFECTING SHIPS.

Removal of Nuisances and Disinfecting	100	0	0
<i>Carried forward</i>	3,945	0	0

A strict examination is made of all vessels on arrival at H. M. Customs Landing Station during the day and night tides, whether directly or indirectly from infected or suspected ports.

These vessels are dealt with in accordance with the regulations of the Local Government Board of the 2nd September, 1907.

**HOSPITAL ACCOMMODATION.**—The Hospital on the Flat Holm Island is intended solely for the reception of persons suffering from Cholera, Yellow Fever, or Typhus on board ships. It consists of one pavilion containing two wards and Nurses' Rooms, Bathrooms, Lavatories, etc. Each Ward contains six beds. In addition to and adjoining the Hospital there is a small Ward with four beds, formerly used for Cholera patients, making altogether permanent accommodation for sixteen patients. At the same time there is ample space on the island, i.e., about 20 acres, for any temporary extension which might be required. In connection with these buildings is a complete Laundry, a Storehouse, a Post-Office Room, and a Constabulary for the protection of the bodies of persons lying in the Hospital or on board an infected ship. The Constabulary reside in a house adjoining the Hospital belonging to the Port Sanitary Authority, and which is used when required for administrative purposes. An arrangement exists between some other Port Sanitary Authorities and Cardiff in connection with the Hospital accommodation on the Flat Holm Island as follows:—

The Bristol Port Sanitary Authority have the use, on payment of fees, of the Constabulary on the island for the protection of bodies of persons dying of Cholera, Yellow Fever, or Typhus within their District.

The Cardiff Port Sanitary Authority have agreed to receive into their Hospital on the Flat Holm Island, and to provide all necessary treatment and food for patients sent to the Hospital from the District of the Newport Sanitary Authority, and to receive the bodies of any such patients who may die in the Hospital, on payment of £40 per annum, and £2 5s. per week for the first Newport patient received into the Hospital, and £2 2s. per week for every additional patient, and a sum of £7 7s. in respect of the cremation of every body of any such patient dying in the Hospital.

An agreement exists between the Port Sanitary Authorities of Cardiff and Barry of a similar character to that between Cardiff and Newport.

By agreement also the Bridgewater Port Sanitary Authority are entitled to send patients into the Cardiff Hospital on payment of an annual sum of £20, and of sums for maintenance of patients similar to the other Authorities.

**CARDIFF PORT SANITARY AUTHORITY.**

**ESTIMATE OF EXPENDITURE FOR YEAR ENDING 31st MARCH, 1921.**

SALARIES AND REMUNERATION OF OFFICERS AND ASSISTANTS.	
£	s. d.
30	0 0
200	0 0
150	0 0
280	0 0
2,000	0 0
155	0 0
<b>2,815</b>	<b>0 0</b>
COST OF REMOVING NUISANCES AND OF DESTRUCTIVE WORK.	
100	0 0
<b>2,915</b>	<b>0 0</b>
Removal of Nuisances and Disinfecting	
Cardiff Forum	

Brought forward ... .. 3,945 0 0

HOSPITALS (On Flat Holm Island).

Cost of Land and Buildings, Repairs, etc. ... ..	20 0 0
Other Expenses, including Remuneration of Officers (not before included) ... ..	150 0 0
	<hr/>
	170 0 0

ESTABLISHMENT CHARGES.

Rent of Offices and Telephones ... ..	71 0 0
Rates, Taxes and Insurances ... ..	50 0 0
Maintenance, Repairs, Buildings ... ..	10 0 0
Gas, Electric Light and Stores ... ..	25 0 0
Printing, Advertising and Stationery ... ..	80 0 0
Incidental Expenses ... ..	15 0 0
	<hr/>
	251 0 0

IN RESPECT OF LOANS.

Principal repaid ... ..	100 0 0
Interest ... ..	18 15 0
	<hr/>
	118 15 0

OTHER PAYMENTS.

Ground Rent, " Flat Holm " ... ..	100 0 0
Hire of Tug ... ..	10 0 0
Audit Stamp ... ..	5 0 0
Medical Inspections and Notifications... ..	15 0 0
	<hr/>
	130 0 0

CONTINGENCIES.

Prevention of Cholera, Plague, etc. ... ..	55 5 0
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4,670 0 0

CREDITS.

Barry Port Sanitary Authority ... ..	120 0 0
Newport Port Sanitary Authority ... ..	40 0 0
Bridgwater Port Sanitary Authority ... ..	20 0 0
Rents per Caretaker and Trinity House, less Rebates ... ..	25 0 0
Bank Interest ... ..	5 0 0
Sundry Receipts ... ..	60 0 0
	<hr/>
	270 0 0

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4,400 0 0

Deduct—

Exchequer Contribution Account (Moiety of Salaries, Medical Officer and Chief Inspector) ... ..	290 0 0
Ministry of Health Grant ... ..	1,910 0 0
	<hr/>
	2,200 0 0

Amount of Precept to be ordered ... .. £2,200 0 0

Less—Proportion thereof receivable from Penarth Urban District Council ... ..	200 4 3
Llandaff and Dinas Powis Rural District Council ... ..	10 10 11
	<hr/>
	210 15 2

Net Amount required ... .. £1,989 4 10



The following Table shews the amount of Imports and Exports ; the principal ports or places, British and Foreign, with which the Port of Cardiff has most trade ; also general character of Imports and Exports. (Figures do not include Barry.)

TABLE VI.

Imports. (Tons and Loads).	Exports (Tons)	Total Imports and Exports (Tons)	
1,839,619	8,562,582	10,402,201	

Port or Place	Nature of Import.	Port or Place	Nature of Export
Spanish and Mediterranean ... Ports	Iron Ore.	All Countries and Local Ports	Coal.
U.S.A. Ports ... ..	Pig iron and Iron		Coke.
Baltic Ports, U.S.A. and ... Canada	Timber and Deals		Patent Fuel.
France, Spain and Portugal also Irish Ports	Pitwood;		Iron and Steel Rails and Iron Work.
U.S.A., Canada, Australia, ... and Local Ports.	Grain and Flour.		General Merchandise.
U.S.A., Canada, Australia, ... and Local Ports	General Merchandise.		
Norway ... ..	Wood Pulp.		
Irish Ports ... ..	Potatoes.		
River Plate, Australia and ... New Zealand	Frozen and Chilled Meat.		
Spain ... ..	Fruit.		

## INSPECTION OF SHIPPING.

During the year, seven thousand, seven hundred and sixty-nine vessels were inspected on arrival. Five thousand, one hundred and ninety-eight extra inspections were made of work in hand and ships in dock, making a total of twelve thousand, nine hundred and sixty-seven inspections.

Two hundred and seven written notices were served on Masters of vessels in respect of nuisances ; seven hundred and fifty-five verbal orders were given, and twenty-one letters were sent to Owners or their representatives in this country in connection with nuisances and sanitary defects on board ships.

One hundred and seventy samples of drinking water from vessels entering this Port, were taken and submitted to the Bacteriologist at the Cardiff and County Public Laboratory for examina-

TABLE VI

Imports (Tons and Loads)	Exports (Tons)	Total Imports and Exports (Tons)
1,522,419	8,282,282	10,402,901

Port or Place	Nature of Import	Port or Place	Nature of Export
Spain and Mediterranean Ports	Iron Ore	All Countries and Local Ports	Coke
U.S.A. Ports	Pig Iron and Iron		Coke
Latin Ports, U.S.A. and Canada	Timber and Bark		Various Ports
France, Spain and Portugal also Irish Ports	Firewood		Iron and Steel Balls and Iron Work
U.S.A., Canada, Australia and Local Ports	Cattle and Hides		General Miscellaneous
U.S.A., Canada, Australia and Local Ports	General Miscellaneous		
Norway	Wood Pulp		
Irish Ports	Potatoes		
River Ports, Australia and New Zealand	Frozen and Canned Meat		
Spain	Wool		

INSPECTION OF SHIPPING

During the year seven thousand, seven hundred and sixty-nine vessels were inspected on arrival. Five thousand, one hundred and ninety-eight extra inspections were made of work in hand and ships in dock, making a total of twelve thousand, nine hundred and sixty-seven inspections.

Two hundred and seven written notices were served on masters of vessels in respect of numerous, seven hundred and fifty-five verbal orders were given, and twenty-one letters were sent to Owners or their representatives in this country in connection with notices and notices defects on board ships.

One hundred and seventy samples of drinking water from vessels entering the Port were taken and submitted to the bacteriologist at the Civil and County Public Laboratory for examination.

tion. One hundred and nineteen were found to be of good or moderate quality, and fifty-one of doubtful purity or contaminated.

Fifty-one 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.

Six thousand, eight hundred and sixty-eight articles of clothing belonging to seamen were disinfected by the Port Sanitary Authority, and five hundred and eighty-nine dirty or infected beds and other articles were destroyed.

The following Table shows the amount of Shipping entering the Port during the year :—

TABLE VII.

	Number	Tonnage	Number Inspected		Number reported defective	Number of Orders Issued:
			Medical Officer of Health	Inspector of Nuisances		
From Foreign	Steamers ...	...	90	2,193	407	407
	Sailing ...	...	10	554	55	55
	Motor ...	...	...	63	18	18
	Fishing ...	...	...	17	1	1
Total from Foreign		2,914	2,480,977	100	2,827	481
Coastwise	Steamers ...	...	25	3,662	361	361
	Sailing ...	...	6	768	29	29
	Motor ...	...	...	130	5	5
	Fishing ...	...	...	382	4	4
Total Coastwise ...		8,385	3,261,803	31	4,942	399
Total Foreign and Coastwise ...		11,299	5,742,780	131	7,769	880

The systematic inspection of shipping in the Bute and Penarth Docks has been carried out with great efficiency and to my entire satisfaction by the Chief Inspector, David Jenkins and Staff.

The following is a Summary of the routine duty of the Staff of the Medical Officer of Health :—

(1) EAST AND WEST BASINS, MOUNT STUART DRY DOCKS, AND CANAL.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded. All vessels are boarded on arrival, whether from Foreign or Coastwise, and enquiries made as to the health of the crew, and if there has been any sickness on the voyage. A copy of the Regulations as to Infectious Diseases is handed to every Master.

(2) ROATH BASIN AND CHANNEL DRY DOCKS.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded and examined in the same manner as No. 1.

(3) QUEEN ALEXANDRA DOCK.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1 and 2.

One hundred and sixteen were found to be of good or moderate quality, and fifty-one of doubtful quality or contaminated.

Fifty-one 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 tests constantly in progress were stopped and cleaned, and a fresh supply taken on board.

Six thousand, eight hundred and fifty-eight articles of clothing belonging to seamen were distributed by the Port Health Authority, and five hundred and thirty-nine articles of infected beds and other articles were destroyed.

The following Table shows the amount of shipping entering the Port during the year—

TABLE VII

Number of Vessels	Number of Passengers	Number Inspected		Tonnage	Number		
		Inspector of Quarantine	Medical Officer of Health				
407	407	2,100	90	...	...	From Foreign	
23	23	224	10	...	...		Steamers
18	18	53	...	...	...		Sailing ...
1	1	17	...	...	...		Motor ...
481	481	2,827	100	2,480,977	2,914	Total from Foreign	
301	301	2,002	22	...	...	Coastwise	
19	19	728	8	...	...		Steamers
5	5	130	...	...	...		Sailing ...
4	4	302	...	...	...		Motor ...
300	300	4,032	31	2,381,902	2,380	Total Coastwise	
788	788	6,859	131	4,862,879	5,294	Total Foreign and Coastwise	

The systematic inspection of shipping in the Port and Forward Dock has been carried out with great efficiency and to my entire satisfaction by the Chief Inspector, David Jenkins and Staff.

The following is a summary of the routine duty of the staff of the Medical Officer of Health:—

(1) EAST AND WEST BASINS, MOUNT STUART DRY DOCK, AND CANAL.—One Inspector on duty from four hours noon on each tide with the gates closed, and all vessels boarded. All vessels are boarded on arrival, whether from Foreign or Coastwise, and enquiries made as to the health of the crew, and if there has been any sickness on the voyage. A copy of the Regulations as to Infectious Diseases is handed to every Master.

(2) SOUTH BASIN AND CHANNEL DRY DOCK.—One Inspector on duty from four hours noon on each tide with the gates closed, and all vessels boarded and examined in the same manner as No. 1.

(3) QUEEN ALEXANDRA DOCK.—Two Inspectors, one by day and one by night, from two hours noon with the gates closed, and all vessels boarded and examined in the same manner as Nos. 1 and 2.

(4) PENARTH DOCK, ELY HARBOUR, AND WINDSOR SLIPWAYS.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1, 2 and 3. In addition to tide work, the Inspectors on day duty at Nos. 3 and 4, also visits and examines the ships in these Docks, etc., for the purpose of ascertaining the Sanitary condition of each of the ships therein.

In addition to the above, Inspectors are on day work examining ships in docks, etc.

The Chief Inspector supervises the work and assists inspections, and carries out Statutory duties in accordance with the General "Order" of the Local Government Board, dated 21st December, 1910.

The annexed Tables will afford evidence of useful work performed by the Officers of the Port Sanitary Authority, and will 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 prisms, 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.

As a rule very little difficulty was experienced in obtaining compliance with the requirements of the Inspectors.

Shipowners and Masters willingly carry out the recommendations of the Port Sanitary Authority, with the result that the proportion of vessels having Sanitary defects amongst these which frequent the Port has decreased in a most marked manner.

Table shewing the number and nationalities of the vessels inspected on arrival during the year ended December 31st, 1920.

TABLE VIII.

NATIONALITY	STEAM	SAIL	MOTOR	TOTAL
American ... ..	55	5	...	60
Belgian ... ..	34	1	1	35
Brazilian ... ..	3	...	...	3
British... ..	4,666	765	133	5,564
Chilian ... ..	4	1	...	5
Danish ... ..	73	4	3	80
Dutch ... ..	83	6	4	93
Esthonian ... ..	...	2	...	2
Finnish ... ..	1	1	...	2
French ... ..	394	510	23	927
German ... ..	2	...	...	2
Greek ... ..	86	3	...	89
Italian ... ..	73	...	...	73
Japanese ... ..	40	...	...	40
Lettish ... ..	1	9	...	10
Moroccan ... ..	12	...	...	12
Norwegian ... ..	535	1	24	560
Peruvian ... ..	2	1	...	3
Portuguese ... ..	21	6	...	27
Roumanian ... ..	1	...	...	1
Russian ... ..	14	3	...	17
Spanish ... ..	97	1	2	100
Swedish ... ..	50	3	3	56
Uruguayan ... ..	7	...	...	7
Totals ... ..	6,254	1,322	193	7,769

(4) PRERATH DOCK, NEW HARBOR, AND WINDSOR SLIPWAYS.—Two inspectors, one by day and one by night, from two boats fixed with the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1, 2 and 3. In addition to this work, the inspectors on day duty at Nos. 2 and 3, also visit and examine the ships in their docks, etc., for the purpose of maintaining the sanitary condition of each of the ships therein.

In addition to the above, inspectors are on duty examining ships in docks, etc.

The Chief Inspector reports the work and makes inspections, and carries out sanitary duties in accordance with the General "Order" of the Local Government Board, dated 21st December, 1910.

The sanitarized Tables will afford evidence of useful work performed by the Officers of the Port Sanitary Authority, and will 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 frames, bulwarks, doors, hatch pipes and cable-catchers, defective masts, funnels and gages, ventilator covers and ventilation, lighting and drainage, leaky decks, defective or washed iron doors over bulkheads, damp beds, etc., defective pumps, water tanks and coals, also defective water-closets.

As a rule very little difficulty was experienced in obtaining compliance with the requirements of the inspectors.

Shipowners and Masters willingly carry out the recommendations of the Port Sanitary Authority, with the result that the proportion of vessels having sanitary defects amongst those which frequent the Port has decreased to a most limited extent.

Table showing the number and nationalities of the vessels inspected on arrival during the year ended December 31st, 1910.

TABLE VIII.

NATIONALITY	STEAM	SAIL	TOTAL
American	50	8	58
Belgian	54	1	55
British	2	...	2
British	4,500	150	4,650
Chinese	4	1	5
Danish	75	4	79
Dutch	85	8	93
Edinburgh	...	2	2
French	1	1	2
French	304	210	514
German	2	...	2
Greek	85	2	87
Italian	78	...	78
Japanese	40	...	40
Latvian	1	0	1
Maroon	12	...	12
Norwegian	230	1	231
Prussian	2	1	3
Portuguese	21	0	21
Romanian	1	...	1
Russian	14	2	16
Spanish	97	1	98
Swedish	87	2	89
Uruguayan	7	...	7
Total	6,224	1,252	7,476

The following Table shews the number and nationality of the vessels on which structural defects and other nuisances were detected :—

TABLE IX.

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 castings in crew spaces.	Defective or unlined iron decks over bunks in forecastles and berths.	Defective stores, funnels and flagges 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 ladders in crew spaces.	Defective lighting to forecastles and berths.	Defective coils and ventilators to forecastles and berths.	Defective drains, &c. to crew spaces.	Leaky decks over forecastles and berths.	Foul bilges 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.	CASES.	REMEDIED.
American ...	19	...	1	5	...	...	25	3	2	1	...	2	1	...	...	5	...	6	1	...	3	7	62	27	
Belgian ...	8	1	2	2	...	...	3	25	13	...	...	...	...	2	3	...	...	1	3	...	3	2	59	30	
British ...	460	200	40	17	12	8	46	59	60	10	1	3	10	16	56	38	2	2	20	59	...	557	46	1262	1240
Chilian ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	2	2
Danish ...	13	1	2	...	...	...	1	12	7	1	...	...	...	2	...	...	...	...	2	...	5	3	36	30	
Dutch ...	22	5	...	1	...	1	1	20	9	2	1	...	2	1	10	...	1	...	2	9	...	8	3	76	67
Esthonian ...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	2	
Finnish ...	2	...	...	...	...	...	4	3	...	...	...	...	...	...	...	...	...	...	...	...	3	2	12	12	
French ...	118	17	27	7	4	2	5	70	35	1	2	3	9	3	5	4	...	6	4	...	46	14	264	234	
Greek ...	30	10	3	2	2	...	2	19	11	...	...	...	...	1	3	3	...	...	4	...	14	5	79	67	
Italian ...	23	2	3	1	...	2	10	21	9	...	...	...	2	...	2	...	2	...	4	3	...	3	1	65	55
Japanese ...	4	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	2	...	...	6	...	10	10	
Lettish ...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	2	2	
Moroccan ...	2	...	...	...	...	...	7	3	...	...	...	...	...	...	...	...	1	...	...	...	2	...	13	13	
Norwegian ...	100	58	11	8	6	...	10	101	49	...	...	...	3	16	8	6	2	1	3	10	3	25	7	327	300
Peruvian ...	1	...	...	...	...	...	7	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	10	10	
Portuguese ...	15	9	5	2	2	1	3	23	6	...	...	...	1	...	2	2	...	...	1	2	...	5	2	66	59
Roumanian ...	1	1	...	...	2	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	3	...	9	9	
Russian ...	4	...	1	...	...	...	1	2	3	...	...	...	...	...	...	1	...	1	...	...	3	...	12	12	
Spanish ...	35	11	4	...	15	3	4	25	26	...	...	2	1	3	...	1	...	...	...	...	11	4	110	99	
Swedish ...	14	1	...	...	...	...	6	14	...	...	...	...	...	...	1	1	...	...	1	...	2	...	26	25	
Uruguayan ...	3	2	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	1	1	...	1	...	7	7	
Totals ...	880	318	99	45	43	18	86	428	255	16	5	8	31	41	92	60	12	5	49	99	3	701	96	2511	2312



## BACTERIOLOGICAL EXAMINATION OF WATER SUPPLY.

TABLE X.

The following Table gives the results of examination by Mr. J. H. Sugden, M.Sc., F.I.C., at the Cardiff and County Health Laboratory, of one hundred and seventy samples of drinking water from vessels taking water at this port during the year ended December 31st, 1920.

DATE 1920	NAME OF SHIP.	NATION- ALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
Jan. 5	s.s. "Hambleton Range"	British	1 New York	Satisfactory
" 6	s.s. "Bermuda"	British	1 Durban (Forepeak Tank)	Doubtful Purity
" 6	s.s. "Bermuda"	British	1 Corcubion (Main Tank)	Moderate Purity
" 7	s.s. "Perregaux"	French	1 Nantes	Moderate Purity
" 14	s.s. "Sydfold"	Norwegian	1 Hamburg	Satisfactory
" 14	s.s. "Inveresk"	British	1 Oporto (Tank in Galley)	Contaminated
" 14	s.s. "Euterpe"	British	1 Aguillas	Satisfactory
" 15	s.s. "Gardenia"	Italian	1 Naples	Satisfactory
" 15	"Cora F. Cressy"	American	1 Rio de Janeiro and Rotterdam	Contaminated
" 16	s.s. "Inveresk"	British	1 Oporto (Main Tank)	Contaminated
" 20	s.s. "Banderas"	Spanish	1 Vigo	Satisfactory
" 20	s.s. "Fernhill"	British	1 Bilbao	Moderate Purity
" 21	s.s. "Trevelyan"	British	1 Gibraltar and Newcastle	Doubtful Purity
" 26	s.s. "Mylie"	British	1 Valencia	Moderate Purity
" 26	s.s. "Albando"	Spanish	1 Santander	Contaminated
" 28	s.s. "Fountains Abbey"	British	1 Vigo and Bilbao	Satisfactory
Feb. 2	s.s. "Newquay"	British	1 Savona	Satisfactory
" 3	s.s. "Franktor"	British	1 Trieste	Satisfactory
" 3	s.s. "Noord Brabant"	Dutch	1 Rotterdam	Moderate Purity
" 5	s.s. "Sibir"	British	1 Antwerp	Doubtful Purity
" 9	s.s. "Angel B. Perez"	Spanish	1 Bilbao	Satisfactory
" 10	s.s. "Dailwen"	British	1 St. John, N.B.	Satisfactory

## BACTERIOLOGICAL EXAMINATION OF WATER SUPPLY.

TABLE X

The following Table gives the results of examination by Mr. J. H. Huggins, M.Sc., V.L.S., at the Cardiff and County Health Laboratory, of one hundred and seventy samples of drinking water from various tanks at this port during the year ended December 31st, 1920.

DATE 1920	NAME OF TANK	NATION- ALITY	NUMBER OF SAMPLES AND WHERE OBTAINED	RESULT OF EXAMINATION
Jan 5	S.A. "Hamilton Tanks"	British	1 New York	Satisfactory
" 6	S.A. "Bernards"	British	1 Durban (Reservoir Tank)	Doubtful Fairly
" 6	S.A. "Bernards"	British	1 Cornwall (Main Tank)	Moderate Fairly
" 7	S.A. "Froggax"	French	1 Nantes	Moderate Fairly
" 14	S.A. "Sylold"	Norwegian	1 Harburg	Satisfactory
" 14	S.A. "Inverax"	British	1 Oporto (Tank in Galley)	Contaminated
" 14	S.A. "Estorpe"	British	1 Agulhas	Satisfactory
" 16	S.A. "Gardais"	Irish	1 Naples	Satisfactory
" 16	"Ora F. Greeny"	American	1 Rio de Janeiro and Rotterdam	Contaminated
" 16	S.A. "Larvick"	British	1 Oporto (Main Tank)	Contaminated
" 20	S.A. "Bernards"	Spanish	1 Vigo	Satisfactory
" 20	S.A. "Fornell"	British	1 Bilbao	Moderate Fairly
" 21	S.A. "Trevelyan"	British	1 Gibraltar and Newcastle	Doubtful Fairly
" 24	S.A. "Milla"	British	1 Valencia	Moderate Fairly
" 26	S.A. "Albando"	Spanish	1 Santander	Contaminated
" 28	S.A. "Fontaine Abbey"	British	1 Vigo and Bilbao	Satisfactory
Feb 2	S.A. "Newday"	British	1 Savona	Satisfactory
" 2	S.A. "Fountain"	British	1 Trieste	Satisfactory
" 2	S.A. "North Hobart"	Dutch	1 Rotterdam	Moderate Fairly
" 5	S.A. "Ribe"	British	1 Antwerp	Doubtful Fairly
" 9	S.A. "Angel B. Perez"	Spanish	1 Bilbao	Satisfactory
" 10	S.A. "Belver"	British	1 St. John, N.B.	Satisfactory

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATION- ALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION.
Feb. 10	s.s. "Franz Wilke" ...	British ...	1 St. Vincent, C.V. ...	Satisfactory
" 18	s.s. "Isbjorn" ...	Norwegian ...	1 Santander ...	Moderate Purity
" 19	s.s. "Taubate" ...	Brazilian ...	1 Bordeaux ...	Moderate Purity
" 20	s.s. "David Lloyd George" ...	British ...	1 Port Said ...	Satisfactory
" 23	s.s. "Otta" ...	Norwegian ...	1 Bilbao ...	Moderate Purity
" 26	s.s. "Franziska" ...	British ...	1 Bahia Blanca & St. Vincent ...	Satisfactory
Mar. 1	s.s. "Candiope" ...	Italian ...	1 Bordeaux ...	Satisfactory
" 1	"Titan" ...	Portuguese ...	1 Oporto ...	Moderate Purity
" 3	s.s. "Pacific Transport" ...	British ...	1 New York ...	Satisfactory
" 4	s.s. "Christiansen Michelsen" ...	Norwegian ...	1 Hornillo ...	Satisfactory
" 4	s.s. "Sonnenfels" ...	British ...	1 Cape Town ...	Satisfactory
" 10	"Annette" ...	Esthonian ...	1 Trinidad ...	Doubtful Purity
" 15	s.s. "Jessie" ...	Norwegian ...	1 Bilbao ...	Satisfactory
" 16	s.s. "Spanker" ...	British ...	1 Santander ...	Moderate Purity
" 17	s.s. "Berit" ...	Swedish ...	1 Port Talbot ...	Satisfactory
" 17	s.s. "Simoom" ...	British ...	1 Bilbao ...	Doubtful Purity
" 22	s.s. "Anorga" ...	Spanish ...	1 Passages and Bayonne ...	Satisfactory
" 23	s.s. "Claymont" ...	British ...	1 Bilbao ...	Satisfactory
" 29	"Ybaizabal" (Motor) ...	Spanish ...	1 Bilbao ...	Contaminated
" 30	s.s. "Canastota" ...	British ...	1 Wallaroo and Durban ...	Satisfactory
" 30	s.s. "Jules Hauzeur" ...	Belgian ...	1 Bayonne ...	Doubtful Purity
" 31	s.s. "Buranda" ...	British ...	1 Rosario and St. Vincent ...	Satisfactory
April 8	s.s. "Glamorgan" ...	British ...	1 Bahia Blanca, St. Vincent, C.V., and Las Palmas	Contaminated
" 8	s.s. "Camerata" ...	British ...	1 Buenos Aires ...	Satisfactory
" 9	s.s. "Sunray" ...	British ...	1 Lisbon ...	Contaminated
" 12	s.s. "Kohyo Maru" ...	Japanese ...	1 Dunkirk ...	Satisfactory

TABLE X—continued.

DATE 1950	NAME OF BIRD	NATION-ALITY	NUMBER OF SAMPLES AND WHERE OBTAINED	RESULT OF EXAMINATION
Feb 10	22. "Kane White"	British	1 St. Vincent, C.V.	Satisfactory
.. 18	22. "Lafour"	Norwegian	1 Santarbar	Moderate
.. 19	22. "Tavata"	Brazilian	1 Barbary	Moderate
.. 20	22. "David Lloyd George"	British	1 Fort Hall	Moderate
.. 22	22. "Ota"	Norwegian	1 Hibao	Moderate
.. 28	22. "Kansala"	British	1 Isla Blanca & St. Vincent	Moderate
Mar. 1	22. "Candora"	Italian	1 Barbary	Satisfactory
.. 1	22. "Tisa"	Portuguese	1 Ota	Moderate
.. 2	22. "Pacific Transport"	British	1 New York	Moderate
.. 4	22. "Christiansen Nielsen"	Norwegian	1 Honolulu	Satisfactory
.. 4	22. "Sonsbeke"	British	1 Cape Town	Satisfactory
.. 10	22. "Anette"	Dutchman	1 Trinidad	Moderate
.. 15	22. "Lena"	Norwegian	1 Hibao	Moderate
.. 18	22. "Rena"	British	1 Santarbar	Moderate
.. 17	22. "Bert"	Swedish	1 Fort Taber	Moderate
.. 17	22. "Simon"	British	1 Hibao	Moderate
.. 22	22. "Ange"	Spanish	1 Panama and Bayamo	Moderate
.. 22	22. "Caymont"	British	1 Hibao	Moderate
.. 29	22. "Yankee" (later)	Spanish	1 Hibao	Contaminated
.. 30	22. "Cassata"	British	1 Woburn and Jordan	Satisfactory
.. 30	22. "John Hancock"	Belgian	1 Havana	Moderate
.. 31	22. "Barbara"	British	1 Havana and St. Vincent	Moderate
April 8	22. "Glenroy"	British	1 Isla Blanca, St. Vincent, C.V. and Las Palmas	Contaminated
.. 8	22. "Cassata"	British	1 Havana Area	Satisfactory
.. 9	22. "Henry"	British	1 Labeo	Contaminated
.. 12	22. "Koby Mar"	Japanese	1 Dunkirk	Satisfactory

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATION- ALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
April 12	s.s. "Oakwin"	British	1 Huelva	Doubtful Purity
" 15	s.s. "Southport"	British	1 Trieste	Satisfactory
" 19	s.s. "Norburn"	British	1 Newport	Satisfactory
" 21	s.s. "Nolisement"	British	1 Marseilles	Satisfactory
" 23	s.s. "Graciana"	British	1 New York and Halifax	Satisfactory
" 23	s.s. "Nordnaes"	Norwegian	1 Nantes and Bilbao	Satisfactory
" 27	s.s. "Berenice"	French	1 Bayonne	Satisfactory
" 27	"Margaret Haney" (Motor)	British	1 Marseilles, Oran, Gibraltar, Dunkirk and Antwerp	Satisfactory
" 29	s.s. "Gyp"	British	1 Las Palmas	Satisfactory
" 29	s.s. "Roger de Flor"	Spanish	1 Bilbao	Satisfactory
May 3	s.s. "Tanfield"	British	1 Middlesbrough and Port Said	Satisfactory
" 3	s.s. "Beltoy"	British	1 Santander	Moderate Purity
" 6	"Haraughi"	Greek	1 Brest	Moderate Purity
" 5	s.s. "Loyal Devonian"	British	1 Bougie	Doubtful Purity
" 11	s.s. "Tres Hermanos"	Spanish	1 Muros	Satisfactory
" 11	s.s. "Tintern Abbey"	British	1 Cardiff and Bilbao	Satisfactory
" 17	s.s. "Ryburn"	British	1 Bilbao	Moderate Purity
" 17	s.s. "Arachne"	British	1 Bilbao	Satisfactory
" 19	s.s. "Notanda"	British	1 St. Vincent, C.V.	Moderate Purity
" 26	s.s. "Atto"	British	1 Durban	Satisfactory
" 31	s.s. "Citta di Lecce"	Italian	1 Oporto	Contaminated
June 2	s.s. "Collingham"	British	1 Bilbao	Contaminated
" 2	s.s. "Frank Delmas"	French	1 Bilbao	Satisfactory
" 8	s.s. "Hellas"	Norwegian	1 Bordeaux	Contaminated
" 14	s.s. "Rudelsburg"	British	1 Durban and Cape Town	Satisfactory
" 18	s.s. "Boscombe Chine"	British	1 Bordeaux	Satisfactory

TABLE X—continued

DATE 1921	NAME OF BRIG	NATION- ALITY	NUMBER OF SAILORS AND WHERE OBTAINED	RESULT OF EXAMINATION
April 12	ex "Ogden"	British	1 British	British
.. 15	ex "Bonting"	British	1 British	British
.. 19	ex "Norburn"	British	1 British	British
.. 21	ex "Hobson"	British	1 British	British
.. 22	ex "Gardner"	British	1 New York and Halifax	British
.. 23	ex "Nordman"	Norwegian	1 British and 1 Danish	British
.. 27	ex "Benton"	French	1 British	British
.. 27	ex "Margaret Henry" (Motor)	British	1 American, 1 Danish, 1 Danish and 1 Danish	British
.. 28	ex "G.P."	British	1 Las Palmas	British
.. 29	ex "Roger de Flor"	Spanish	1 British	British
May 2	ex "Tandell"	British	1 Malabar and 1 Fur Seal	British
.. 3	ex "Beloy"	British	1 British	British
.. 6	ex "Harrington"	Greek	1 British	British
.. 6	ex "Loyal Brethren"	British	1 British	British
.. 11	ex "The Harcourt"	Spanish	1 British	British
.. 11	ex "Tintern Abbey"	British	1 British and 1 British	British
.. 17	ex "Hyman"	British	1 British	British
.. 17	ex "Ancher"	British	1 British	British
.. 19	ex "Nobels"	British	1 St. Vincent, D.V.	British
.. 24	ex "Aho"	British	1 British	British
.. 21	ex "Gala di Luce"	Italian	1 British	British
June 2	ex "Collingham"	British	1 British	British
.. 2	ex "Frank Deane"	French	1 British	British
.. 8	ex "Helen"	Norwegian	1 British	British
.. 14	ex "Hobbsburg"	British	1 British and 1 Cape Town	British
.. 18	ex "Kronprinz Oskar"	British	1 British	British

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATION- ALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
June 18	s.s. "Waddon" ...	British ...	1 Hornillo ...	Satisfactory
" 22	s.s. "Goffredo Mameli" ...	Italian ...	1 Taranto ...	Satisfactory
" 22	s.s. "Cornhill" ...	British ...	1 Sables ...	Satisfactory
" 22	s.s. "Gweneth" ...	British ...	1 London ...	Satisfactory
" 23	s.s. "Beechleaf" ...	British ...	1 New Orleans ...	Satisfactory
" 23	s.s. "Osten" ...	Swedish ...	1 Bougie ...	Satisfactory
" 24	s.s. "Portrushton" ...	British ...	1 Hull ...	Satisfactory
" 28	s.s. "Cresalubi" ...	Spanish ...	1 Santander ...	Moderate Purity
" 28	s.s. "Rees Llewellyn" ...	British ...	1 La Pallice ...	Moderate Purity
" 29	s.s. "Jotunfjell" ...	Norwegian ...	1 Bilbao ...	Satisfactory
July 5	"Amazon" ...	American ...	1 Halifax, N.S. ...	Satisfactory
" 5	s.s. "Huldra" ...	Norwegian ...	1 Bayonne ...	Satisfactory
" 7	s.s. "Melton" ...	British ...	1 Bilbao ...	Satisfactory
" 9	s.s. "Meta" ...	Swedish ...	1 Gothenburg ...	Satisfactory
" 9	"Cabo Mondego" ...	Portuguese ...	1 Oporto ...	Contaminated
" 13	s.s. "Trehawke" ...	British ...	1 Rio de Janeiro (Starboard Tank)	Satisfactory
" 15	s.s. "Trehawke" ...	British ...	1 Las Palmas (Port Tank)	Contaminated
" 16	s.s. "Clintonia" ...	British ...	1 Bilbao ...	Satisfactory
" 16	s.s. "Maridal" ...	Norwegian ...	1 Bilbao ...	Contaminated
" 19	s.s. "Canadian Voyageur" ...	British ...	1 Montreal ...	Satisfactory
" 19	s.s. "Pengreep" ...	British ...	1 Buenos Aires ...	Satisfactory
" 21	s.s. "Joanna" ...	British ...	1 Marseilles ...	Satisfactory
" 21	s.s. "Wye Crag" ...	British ...	1 Bilbao ...	Satisfactory
" 22	"Prima" ...	Dutch ...	1 Oporto ...	Contaminated
" 22	s.s. "Tasmanian Transport" ...	British ...	1 Antwerp ...	Satisfactory
" 23	s.s. "Solferino" ...	Norwegian ...	1 Drammen ...	Contaminated

TABLE X.—continued.

DATE 1920	NAME OF SHIP	NATION- ALITY	NUMBER OF SAMPLES AND WHERE OBTAINED	RESULT OF EXAMINATION
June 18	U.S. "Wabson"	British	1 Herring	Satisfactory
..	U.S. "Gustavo Kamm"	Italian	1 Trout	Satisfactory
..	U.S. "Gerald"	British	1 Salmon	Satisfactory
..	U.S. "Gesselt"	British	1 Cod	Satisfactory
..	U.S. "Lindal"	British	1 New Salmon	Satisfactory
..	U.S. "Glen"	Swedish	1 Herring	Satisfactory
..	U.S. "Portsmouth"	British	1 Herring	Satisfactory
..	U.S. "Gerald"	Swedish	1 Salmon	Modest Fur
..	U.S. "Lisa Lindberg"	British	1 Ice Fish	Modest Fur
..	U.S. "Lindberg"	Norwegian	1 Herring	Satisfactory
July 5	"Anson"	American	1 Herring, N.S.	Satisfactory
..	U.S. "Hobbs"	Norwegian	1 Salmon	Satisfactory
..	U.S. "Kilham"	British	1 Herring	Satisfactory
..	U.S. "Mata"	Swedish	1 Cod	Satisfactory
..	U.S. "Cato Mordag"	Portuguese	1 Cod	Contaminated
..	U.S. "Tobias"	British	1 Rio de Janeiro (St. Lawrence Treaty)	Satisfactory
..	U.S. "Tobias"	British	1 Ice Fish (Port Treaty)	Contaminated
..	U.S. "Clinton"	British	1 Herring	Satisfactory
..	U.S. "Lindal"	Norwegian	1 Herring	Contaminated
..	U.S. "Canadian Voyager"	British	1 Montreal	Satisfactory
..	U.S. "Voyager"	British	1 Home Abse	Satisfactory
..	U.S. "Joan"	British	1 Montreal	Satisfactory
..	U.S. "Wyo Gog"	British	1 Herring	Satisfactory
..	"Pina"	Irish	1 Salmon	Contaminated
..	U.S. "Tasmanian Transport"	British	1 Antwerp	Satisfactory
..	U.S. "Reliance"	Norwegian	1 Laxman	Contaminated

TABLE X.—continued.

DATE 1920	NAME OF SHIP.	NATION- ALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION.
July 23	s.s. " Benjamin "	Uruguayan	1 Blaye ... ..	Contaminated
" 26	s.s. " Sheaf Lance "	British	1 Kemi ... ..	Doubtful Purity
" 26	" Roma " ...	Russian	1 Oporto ... ..	Contaminated
" 27	s.s. " Alstad "	Norwegian	1 Bordeaux ... ..	Satisfactory
" 29	s.s. " Bueland "	Norwegian	1 Bordeaux ... ..	Contaminated
" 29	s.s. " Genesee "	British	1 London & Bilbao ...	Satisfactory
Aug. 9	s.s. " Sheafspear "	British	1 Ha-Ha-Bay ... ..	Contaminated
" 9	s.s. " Nolisement "	British	1 Galveston and Pensacola	Contaminated
" 9	s.s. " Dora " ...	British	1 Malta ... ..	Satisfactory
" 9	s.s. " Eustratios "	Greek	1 Sunderland ... ..	Satisfactory
" 12	s.s. " Espana, No. 1 "	Spanish	1 Bilbao ... ..	Contaminated
" 13	s.s. " Jura " ...	French	1 Bayonne ... ..	Satisfactory
" 13	s.s. " Karen Rogenaes "	Norwegian	1 Rotterdam ... ..	Contaminated
" 16	s.s. " Zwijndrecht "	Dutch	1 Grangemouth and Domsjo	Satisfactory
" 16	s.s. " Wartburg "	British	1 Pensacola and Galveston	Satisfactory
" 18	s.s. " Bovra " ...	Norwegian	1 Bilbao ... ..	Contaminated
" 18	s.s. " Stamboul "	Norwegian	1 Bilbao ... ..	Moderate Purity
" 23	s.s. Speedwell "	British	1 Port Talbot and Villagarcia	Doubtful Purity
" 23	s.s. " Maindy Priory "	British	1 Newport and Bordeaux	Doubtful Purity
" 30	s.s. " Sines " ...	Portuguese	1 Portomaurizio ...	Satisfactory
" 30	s.s. " Bizkargi Mendi "	Spanish	1 Bilbao ... ..	Moderate Purity
" 30	s.s. " Abaris "	British	1 Bordeaux and Bilbao	Doubtful Purity
" 31	s.s. " Klosterfos "	Norwegian	1 Cardiff ... ..	Satisfactory
" 31	s.s. " Wellington "	British	1 Villagarcia " ...	Moderate Purity
Sept. 1	s.s. " Southlea "	British	1 Malmo and Jacobstadt (Port Tank)	Satisfactory
" 1	s.s. " Southlea "	British	1 Malmo (Starboard Tank)	Satisfactory

TABLE X.—continued.

DATE 1950	NAME OF SHIP	NATIONALITY	NUMBER OF SAILORS AND CREW ON BOARD	RESULT OF EXAMINATION
July 22	S.S. "Benjamin"	Norwegian	1 Sailor	Contaminated
.. 28	S.S. "Steel Lance"	British	1 Sailor	Doubtful
.. 28	"Roma"	Romanian	1 Officer	Contaminated
.. 27	S.S. "Alded"	Norwegian	1 Boatman	Satisfactory
.. 26	S.S. "Holland"	Norwegian	1 Boatman	Contaminated
.. 25	S.S. "Gronow"	British	1 Landing & Helms	Satisfactory
Aug. 6	S.S. "Svalbard"	British	1 Helicopter	Contaminated
.. 6	S.S. "Hoffmann"	British	1 Helicopter and Boatman	Contaminated
.. 6	S.S. "Iona"	British	1 Sailor	Satisfactory
.. 6	S.S. "Hortona"	Irish	1 Boatman	Satisfactory
.. 12	S.S. "Byron, No. 1"	Spanish	1 Helicopter	Contaminated
.. 13	S.S. "Iona"	Irish	1 Boatman	Satisfactory
.. 13	S.S. "Karin Bergman"	Norwegian	1 Helicopter	Contaminated
.. 16	S.S. "Kjellerås"	Dutch	1 Organist and Helms	Satisfactory
.. 16	S.S. "Wainwright"	British	1 Helicopter and Boatman	Satisfactory
.. 16	S.S. "Boya"	Norwegian	1 Helicopter	Contaminated
.. 18	S.S. "Skinnol"	Norwegian	1 Helicopter	Helicopter Satisfactory
.. 22	S.S. "Spindell"	British	1 Port Tender and Helicopter	Doubtful
.. 23	S.S. "Mabel Fryer"	British	1 Helicopter and Boatman	Doubtful
.. 30	S.S. "Alma"	Norwegian	1 Helicopter	Satisfactory
.. 30	S.S. "Blair (Mendi)"	Spanish	1 Helicopter	Helicopter Satisfactory
.. 30	S.S. "Avala"	British	1 Boatman and Helicopter	Doubtful
.. 31	S.S. "Kjellerås"	Norwegian	1 Helicopter	Satisfactory
.. 31	S.S. "Wainwright"	British	1 Helicopter	Helicopter Satisfactory
Sept. 1	S.S. "Hortona"	British	1 Helicopter and Boatman (Port Tender)	Satisfactory
.. 1	S.S. "Hortona"	British	1 Helicopter (Port Tender)	Satisfactory

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATION- ALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
Sept. 2	s.s. "Conde de Abasola"	Spanish ...	1 Palma ... ..	Moderate Purity
" 2	s.s. "Llangorse"	British ...	1 Catania ... ..	Doubtful Purity
" 6	s.s. "Lancelot"	Norwegian	1 St. Servan ... ..	Doubtful Purity
" 7	s.s. "Dio" ...	American ...	1 Mobile ... ..	Contaminated
" 7	s.s. "Monkton"	British ...	1 Korsoc ... ..	Satisfactory
" 8	s.s. "Alexandra"	Greek ...	1 Bilbao and Dover ...	Satisfactory
" 13	Motor "Krammer"	Dutch ...	1 Rotterdam and Arcachon	Doubtful Purity
" 11	s.s. "Gwladys"	British ...	1 West Hartlepool ...	Satisfactory
" 20	s.s. "River Wye"	British ...	1 Alexandria and Melilla	Contaminated
" 23	s.s. "Jose Vilallonga"	Spanish ...	1 Bilbao ... ..	Satisfactory
" 23	s.s. "Polglass Castle"	British ...	1 Newport News ...	Satisfactory
" 27	s.s. "Amarante"	Portuguese	1 Naples ... ..	Moderate Purity
" 27	s.s. "Picton"	British ...	1 Galveston and Norfolk, Va.	Satisfactory
" 27	s.s. "Modig" ...	Norwegian	1 Galveston ... ..	Contaminated
Oct. 4	s.s. "Gibel Derif"	British ...	1 Gibraltar ... ..	Satisfactory
" 6	s.s. "Admiral Hamilton"	British ...	1 Braila ... ..	Satisfactory
" 11	Motor "Rubens"	French ...	1 La Rochelle ... ..	Satisfactory
" 11	s.s. "Skeldon"	British ...	1 Bilbao ... ..	Moderate Purity
" 18	s.s. "August Wilke"	British ...	1 Sydney ... ..	Satisfactory
" 19	s.s. "Elanchove"	Spanish ...	1 Helsingborg ... ..	Satisfactory
" 25	s.s. "Hild" ...	Norwegian	1 Bilbao ... ..	Moderate Purity
" 25	Motor "Balboa"	Swedish ...	1 Bahia Blanca ... ..	Satisfactory
" 26	s.s. "Vikso" ...	Norwegian	1 Memel ... ..	Doubtful Purity
" 26	s.s. "J. L. Lassen"	British ...	1 Miramichi ... ..	Satisfactory
" 27	s.s. "Polish Monarch"	British ...	1 Havre ... ..	Satisfactory
" 27	Motor "Nidelv"	Norwegian	1 Gothenburg, Arendal and Wexford	Moderate Purity

TABLE X.—continued.

DATE 1920	NAME OF SHIP	NATION- ALITY	NUMBER OF SAILORS AND CREW ON BOARD	STATUS OF EXAMINATION
Sept. 3	U.S. "Comde de Armand"	Spanish	1 sailor	Medicate
" 4	U.S. "Langens"	British	1 Cuban	Doubtful
" 5	U.S. "Lancelot"	Norwegian	1 St. John	Doubtful
" 7	U.S. "Dio"	American	1 Mobile	Contaminated
" 7	U.S. "Morton"	British	1 River	Bathology
" 8	U.S. "Alexander"	Greek	1 Bilbo and River	Bathology
" 13	Motor "Krumm"	Dutch	1 Rotterdam and Amsterdam	Doubtful
" 14	U.S. "Gudby"	British	1 West Liverpool	Bathology
" 20	U.S. "River Wye"	British	1 Alton and Mill	Contaminated
" 21	U.S. "Joe Wilton"	Spanish	1 Bilbo	Bathology
" 22	U.S. "Poplar Castle"	British	1 Newport News	Bathology
" 24	U.S. "Amante"	Portuguese	1 Naples	Medicate
" 24	U.S. "Foton"	British	1 Galveston and Norfolk, Va.	Bathology
" 27	U.S. "Molly"	Norwegian	1 Galveston	Contaminated
Oct. 4	U.S. "Olive Port"	British	1 Gibraltar	Bathology
" 6	U.S. "Admiral Lambert"	British	1 Bilbo	Bathology
" 11	Motor "Hansa"	French	1 La Rochelle	Bathology
" 11	U.S. "Bilbo"	British	1 Bilbo	Medicate
" 18	U.S. "August Wills"	British	1 Bilbo	Bathology
" 19	U.S. "Blanche"	Spanish	1 Bilbo	Bathology
" 22	U.S. "Hid"	Norwegian	1 Bilbo	Medicate
" 22	Motor "Hansa"	Swedish	1 Bilbo	Bathology
" 24	U.S. "Vino"	Norwegian	1 Bilbo	Doubtful
" 26	U.S. "L. L. Lamm"	British	1 Bilbo	Bathology
" 27	U.S. "Felix Henschel"	British	1 River	Bathology
" 27	Motor "Nihilis"	Norwegian	1 Götterburg, Amdal and Westf.	Medicate

TABLE X.—continued.

DATE 1920	NAME OF SHIP.	NATION- ALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
Nov. 1	s.s. "Madge Llewellyn"	British	1 Nantes and Bilbao	Satisfactory
" 2	s.s. "Mercer"	American	1 Malta and Brest	Doubtful Purity
" 10	s.s. "Wedgwood"	British	1 London	Doubtful Purity
" 10	s.s. "Jern"	Norwegian	1 Honfleur	Contaminated
" 11	s.s. "Tonesit"	American	1 Stockholm	Satisfactory
" 15	s.s. "Norwich City"	British	1 Newport News	Satisfactory
" 22	s.s. "Calfat"	French	1 Pauillac	Moderate Purity
" 22	s.s. "Roverbella"	Italian	1 Melilla and Gibraltar	Doubtful Purity
" 22	s.s. "Veerhaven"	Dutch	1 Bilbao	Contaminated
" 23	s.s. "Hillegom"	Dutch	1 Bilbao	Contaminated
" 23	s.s. "Mirentxu"	Spanish	1 Bilbao	Moderate Purity
" 24	s.s. "Meta"	Swedish	1 Gothenburg	Satisfactory
" 25	s.s. "Marie Rose"	British	1 St. Nazaire	Doubtful Purity
" 29	s.s. "Motrico"	Spanish	1 Copenhagen	Moderate Purity
" 30	s.s. "Singapore"	British	1 St. Nazaire	Satisfactory
Dec. 6	s.s. "Eugenia"	Greek	1 Algiers	Satisfactory
" 7	s.s. "Panaghis Vergottis"	Greek	1 Bordeaux	Contaminated
" 9	s.s. "Oakfield"	British	1 La Pallice	Doubtful Purity

TABLE X.—continued.

DATE 1920	NAME OF SHIP	NATION- ALITY	NUMBER OF SAMPLES AND WATER OBTAINED	RESULT OF EXAMINATION
Nov. 1	a.s. "Midge Isawigan"	British	1 Kaitia and Hihia	Bacteriologic
" 2	a.s. "Merou"	American	1 Haha and Haha	Doubtful
" 10	a.s. "Wedywood"	British	1 London	Doubtful Fungus
" 10	a.s. "Jera"	Norwegian	1 Hombur	Contaminated
" 11	a.s. "Tovest"	American	1 Stockholm	Bacteriologic
" 15	a.s. "Newark City"	British	1 Newport News	Bacteriologic
" 22	a.s. "Catal"	French	1 Paulhan	Moderate Fungus
" 22	a.s. "Roverella"	Italian	1 Haha and Gander	Doubtful Fungus
" 22	a.s. "Vochava"	Dutch	1 Hihia	Contaminated
" 22	a.s. "Hillegom"	Dutch	1 Hihia	Contaminated
" 22	a.s. "Mientz"	Spanish	1 Hihia	Moderate Fungus
" 24	a.s. "Hala"	Swedish	1 Gotenborg	Bacteriologic
" 25	a.s. "Marie Rose"	British	1 St. Nazaire	Doubtful Fungus
" 29	a.s. "Molton"	Spanish	1 Copenhagen	Moderate Fungus
" 30	a.s. "Singapore"	British	1 St. Nazaire	Bacteriologic
Dec. 6	a.s. "Eugenia"	Greek	1 Athens	Bacteriologic
" 7	a.s. "Ponagis Vergata"	Greek	1 Bourgas	Contaminated
" 9	a.s. "Orfield"	British	1 La Palme	Doubtful Fungus

## FOOD INSPECTION.

The Public Health (Regulations as to Food) Act of 1907, gave powers to the Local Government Board to make regulations under the Public Health Act, 1896, to prevent danger arising to the public health from the importation, preparation, storage and distribution of articles of food or drink (other than drugs and water) intended for sale for human consumption.

Two sets of regulations were issued by the Board, one dealing with unsound Food, and the other with Foreign Meat. An amending Regulation relating to Foreign Meat was issued on the 27th September, 1909, which came into force three days later.

The first set of Regulations is called the Public Health (first series Unsound Food) Regulations, which came into force on the 1st October, 1908. These provide that articles of food which are unsound, unwholesome and unfit for human consumption, and which, as part of the cargo of a ship, are brought to a place in this country, either as a place of deposit or for transmission elsewhere in this country, shall be dealt with at the port of discharge.

The Medical Officer of Health is authorised by Art. IV. to examine articles of food which have been landed within the district, and if necessary to examine such articles before they are landed.

Power of taking samples is conferred by Art. VIII., and special examinations may be made at the laboratory. Power is also given under the same Art. for the temporary detention of consignments pending the completion of the examination.

The Public Health (Foreign Meat) Regulations of 1908, came into force on the 1st January, 1909. Art. 1 of these Regulations has been repealed, and Class I. has been altered by the Amending Regulations, dated 27th September, 1909, and is designed to deal with foreign meat in the form of scraps, trimmings or other pieces (whether with or without bone). These also deal with imported tripe, tongues and kidneys, to which certain chemical preservatives have been added, and with the several parts of a pig or other edible parts of a pig, not prepared in the manner in which bacon or ham is ordinarily prepared, and not contained in a box, case, receptacle, or package with an Official Certificate; or of several parts of a pig which have been prepared as bacon or ham, and are not contained in a box with an Official Certificate; and are without the lymphatic glands about those parts in their natural position; or of meat which whether derived from cattle or pig is in the form of a carcase, or part thereof, comprising the ribs, and is without such membrane as, in its natural position, form the lining of the cavity enclosed by the ribs.

These classes of meat are enumerated under the heading of *Foreign Meat Class I.*, and the importer is required within three days, at his own expense to export the same, unless he can prove to the satisfaction of a Magistrate that it is not intended for human food, the meat is required to be destroyed under the supervision of the Medical Officer of Health.

Carcases of pigs without the head in its natural state of attachment, or is without the lymphatic glands about the throat, or any other part of the carcase, in their natural position, rendering it difficult to detect the evidence of tuberculosis, are styled *Foreign Meat Class II.*, and are dealt with in the same manner as *Class I.*

The expression *Foreign Meat of Class III.* consists of several parts of the carcase of a pig, not in the form of scrap, trimmings, etc., and which is contained in a box, case, receptacle, or package with an Official Certificate from a Competent Authority, indicating that the contents are prepared from pigs free from disease at the time of slaughter, dressed and packed with careful observance as required.

Unclassed Foreign Meat, means foreign meat of a kind, which does not bring it under any of the previous mentioned Classes.

Class III. and Unclassed are not detained by the Officers of Customs, unless requested to do so by the Medical Officer of Health, or are of opinion that the meat is in bad condition, and should be examined by the Medical Officer of Health.

MEAT INSPECTION

The Public Health Regulations as to Food Act of 1907, gave powers to the Local Government Board to make regulations under the Public Health Act, 1906, to prevent danger arising to the public health from the importation, preservation, storage and distribution of articles of food or drink (other than drugs and water) intended for sale for human consumption.

Two sets of regulations were issued by the Board, one dealing with unseasoned food, and the other with foreign meat. An amending regulation relating to foreign meat was issued on the 27th September, 1909, which came into force three days later.

The first set of regulations is called the Public Health (Unseasoned Food) Regulations, which came into force on the 1st October, 1907. These provide that articles of food which are unseasoned, unspiced and unfit for human consumption, and which, as part of the cargo of a ship, are brought to a place in this country, either as a place of deposit or for transmission elsewhere in this country, shall be dealt with at the port of discharge.

The Medical Officer of Health is authorized by Art. IV, to examine articles of food which have been landed within the district, and if necessary to examine such articles before they are landed.

Power of taking samples is conferred by Art. VIII, and special examinations may be made at the laboratory. Power is also given under the same Art. for the temporary detention of consignments pending the completion of the examination.

The Public Health (Foreign Meat) Regulations of 1909, came into force on the 1st January, 1909. Art. 1 of these Regulations has been repealed, and Class I has been altered by the Amending Regulations, dated 27th September, 1908, and is designed to deal with foreign meat in the form of sausage, trimmings or other pieces (whether with or without bones). These also deal with imported tigs, tongues and kidneys, to which certain chemical preservatives have been added, and with the several parts of a pig or other edible parts of a pig, not prepared in the manner in which bacon or ham is ordinarily prepared, and not contained in a box, case, wrapper, or package with an Official Certificate; or of several parts of a pig which have been prepared as bacon or ham, and are not contained in a box with an Official Certificate; and are without the pyruvic glands about these parts in their natural position; or of meat which whether derived from cattle or pig is in the form of a sausage, or part thereof, comprising the ribs, and is without such membrane as, in its natural position, forms the lining of the cavity enclosed by the ribs.

These classes of meat are enumerated under the heading of Foreign Meat Class A, and the importer is required within three days of his own export to report the same, unless he can prove to the satisfaction of a Magistrate that it is not intended for human food, the meat is required to be destroyed under the supervision of the Medical Officer of Health.

Carcasses of pigs without the head in its natural state of attachment, or in without the pyruvic glands about the throat, or any other part of the carcass, in their natural position, rendering it difficult to detect the evidence of tuberculosis, are listed Foreign Meat Class B, and are dealt with in the same manner as Class A.

The expression Foreign Meat of Class III, consists of several parts of the carcass of a pig, not in the form of sausage, trimmings, etc., and which is contained in a box, case, wrapper, or package with an Official Certificate from a Competent Authority, indicating that the contents are prepared from pigs free from disease at the time of slaughter, dressed and packed with careful observance as required.

Unseasoned Foreign Meat, means foreign meat of a kind, which does not bring it under any of the previous mentioned Classes.

Class III, and Unseasoned are not defined by the Officers of Customs, unless requested to do so by the Medical Officer of Health, or one of opinion that the meat is in bad condition, and should be examined by the Medical Officer of Health.

In carrying out these Regulations, the Officers of Customs and Excise and your Inspectors, have worked harmoniously together; the former rendering every assistance possible to the Officers of the Port Sanitary Authority in examining imported meat and other goods, and in reporting any matter which may come to their notice, requiring the attention of the Medical Officer of Health.

The officers appointed by your Authority are carrying out the provisions of the Regulations with zeal and discretion, and entirely to my satisfaction. A large quantity of unsound food was destroyed, or otherwise dealt with during the year, without having to resort to legal proceedings.

In order to facilitate administrative action under Article VI. of the Foreign Meat Regulations, the following resolution was passed by the Sanitary Authority:—

"HEALTH AND PORT SANITARY COMMITTEE,

19th January, 1909.

**PUBLIC HEALTH (FOREIGN MEAT) REGULATIONS, 1909.—Resolved.**—That the Town Clerk be authorised, on behalf of the Council, acting as the Port Sanitary Authority, from time to time, within twelve hours after the receipt of a copy of a notice by the Medical Officer of Health, as mentioned in Article VI. (Notice by Sanitary Authority to Importer) of the Public Health (Foreign Meat) Regulations, 1908, to make out, complete, sign, and give all notices to importers under the said Article of the said Order."

Date	Name of Vessel and where from	Species	Weight	Value	Number of Animals	Remarks
April 10	"Delaware"	Beef	100	100	100	
17	"Berkshire"	Mutton and Beef	100	100	100	
July 14	"Hawaii"	Beef	100	100	100	
FRESH MEAT.						
Aug 11	"Lancashire"	Beef	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Sept 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Oct 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Nov 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Dec 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jan 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Feb 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Mar 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Apr 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
May 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jun 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jul 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Aug 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Sept 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Oct 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Nov 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Dec 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jan 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Feb 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Mar 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Apr 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
May 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jun 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jul 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Aug 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Sept 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Oct 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Nov 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Dec 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jan 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Feb 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Mar 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Apr 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
May 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jun 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Jul 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Aug 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	
29	"do"	do	100	100	100	
Sept 5	"do"	do	100	100	100	
11	"do"	do	100	100	100	
17	"do"	do	100	100	100	
23	"do"	do	100	100	100	

In carrying out these Regulations, the Officers of Customs and Excise and your inspectors have worked harmoniously together; the former rendering every assistance possible to the Officers of the Port Sanitary Authority in exercising inspection over meat and other goods, and in reporting any matter which may come to their notice, regarding the attainment of the Medical Order of Health.

The officers appointed by your Authority are carrying out the provisions of the Regulations with zeal and discretion, and entirely in my estimation. A large quantity of animal food was destroyed, or otherwise dealt with during the year, without having to resort to legal proceedings.

In order to facilitate administrative action under Article VI of the Foreign Meat Regulations, the following resolution was passed by the Sanitary Authority:-

"HEALTH AND FOOD REGULATIONS [CONTINUED]

19th January, 1908.

PUBLIC HEALTH (FOREIGN MEAT) REGULATIONS 1907 - Approved. - That the Town Council be authorized, on behalf of the Council, acting as the Port Sanitary Authority, from time to time, within twelve hours after the receipt of a copy of a notice by the Medical Officer of Health, as mentioned in Article VI (Notice by Sanitary Authority to Importer) of the Public Health (Foreign Meat) Regulations, 1907, to make out, complete, sign, and give all notices as importers under the said Article of the said Order."

The following Table shows the quantity of Frozen Meat, the due inspection of which forms part of the duty of the Officers appointed under the Public Health (Foreign Meat) Regulations of 1908 and 1909 respectively. Five vessels arrived and landed Frozen Meat at the Port during the year and nineteen vessels landed Fresh Meat at this Port from Wexford (Ireland) during the year ended December 31st, 1920.

TABLE XI.

Date. 1920.	Name of Vessel and where from.	Beef.			Mutton.				Lambs.	Offal. (Bags & boxes.)
		Fore quarters	Hind quarters	Sides	Carcas- es	Trunks	Legs (pairs)	Pieces		
Feb. 6	s.s. "Paparua" ... Wellington, N.Z., via London.	...	...	...	10,016	...	...	...	52,941	...
" 28	s.s. "Hororata" ... Wellington via Halifax and London.	3,764	3,843	...	70,683	98	73	1,765	17,112	336
April 9	s.s. "Pakeha" ... Auckland, N.Z., via London.	...	...	...	...	51	...	...	45,725	2,964
" 17	s.s. "Brodhurst" ... Hamburg via Hook of Holland. (Meat origin- ally from River Plate).	...	...	...	...	...	...	...	...	100 tons
July 14	s.s. "Montilla" ... Zarate (River Plate) via Bremerhaven.	4,707	5,482	...	...	...	...	...	...	...
FRESH MEAT.										
Aug. 11	s.s. "Lunesdale" (Wexford)	50	50	20	37	...	...	...	...	44
" 19	Do. do.	...	...	76	87	...	...	...	...	45
" 26	Do. do.	78	78	...	76	...	...	...	...	32
" 30	Do. do.	66	66	...	...	...	...	...	...	41
Sept. 2	Do. do.	84	84	1 calf	59	...	...	...	...	34
" 10	Do. do.	108	108	...	61	...	...	...	...	49
" 16	Do. do.	97	97	...	54	...	...	...	...	7
" 23	Do. do.	122	122	...	51	...	...	...	...	51
Oct. 1	Do. do.	112	112	...	38	...	...	...	...	52
" 7	s.s. "Elsie Annie" ...	81	81	...	13	...	...	...	...	37
" 14	s.s. "Lunesdale" ...	127	127	...	36	...	...	...	...	53
Nov. 4	Do. ...	119	119	...	26	...	...	...	...	42
" 10	s.s. "Active" ...	110	110	...	19	...	...	...	...	35
" 12	s.s. "Blarney" ... (Cork.)	...	...	...	...	...	...	...	...	11 casks
" 17	s.s. "Active" (Wexford) ...	112	112	...	...	...	...	...	...	37
" 26	s.s. "Cheviot" ...	180	180	...	39	...	...	...	...	86
Dec. 1	s.s. "Active" ...	137	137	...	40	...	...	...	...	55
" 9	Do. ...	59	52	...	45	...	...	...	...	37
" 20	s.s. "Clint" ...	...	...	22	104	...	...	...	...	30
Totals ...		10,113	10,960	118 & 1 calf	81,484	149	73	1,765	115,778	4,078 & 100 tons

The following Table shows the quantity of Tinned Meat, the date of arrival, the date of the duty of the Officers appointed under the Tinned Meats (Foreign Meats) Regulations of 1902 and 1909 respectively. 1910 vessels arrived and landed Tinned Meat at the Port during the year and nineteen vessels landed Tinned Meat at this Port from Westport (Ireland) during the year ended December 31st, 1910.

TABLE XI.

Date 1910.	Name of Vessel and where from.	Meat			Tinned			Landed (from a boat)	Oval (from a boat)
		lbs	Net	Gross	lbs	Net	Gross		
Feb 6	a.s. "Lynceus" Wellington, N.Z., via London.	...	...	10,076	...	...	...	22,041	...
" 10	a.s. "Hercules" Wellington via Halifax and London.	4,702	2,362	20,822	36	78	...	17,112	204
April 9	a.s. "Lynceus" Auckland, N.Z., via London.	...	...	...	51	...	...	45,732	2,964
" 17	a.s. "Hercules" Hamburg via Hook of Holland (Most origin ally from River Plate).	...	...	...	...	...	...	...	100 tons
July 14	a.s. "Montilla" Santos (River Plate) via Pernambuco.	4,707	2,482	...	...	...	...	...	...
TINNED MEAT.									
Aug 11	a.s. "Lynceus" (Westport)	50	80	27	...	...	...	...	44
" 19	do	...	70	97	...	...	...	...	43
" 20	do	...	78	78	...	...	...	...	32
" 20	do	...	98	98	...	...	...	...	41
Sept 2	do	84	84	50	...	...	...	...	34
" 10	do	108	108	61	...	...	...	...	40
" 18	do	97	97	34	...	...	...	...	7
" 23	do	122	122	31	...	...	...	...	31
Oct 1	do	112	112	38	...	...	...	...	52
" 7	a.s. "Elbe Anst" ...	81	81	13	...	...	...	...	27
" 14	a.s. "Lynceus" ...	127	127	38	...	...	...	...	33
Nov 4	do	110	110	38	...	...	...	...	41
" 10	a.s. "Active" ...	110	110	19	...	...	...	...	30
" 12	a.s. "Hercules" (Oval)	...	...	...	...	...	...	...	15 cwt
" 17	a.s. "Active" (Westport)	112	112	...	...	...	...	...	37
" 20	a.s. "Christ" ...	180	180	34	...	...	...	...	50
Dec 1	a.s. "Active" ...	127	127	30	...	...	...	...	52
" 5	do	58	58	42	...	...	...	...	37
" 20	a.s. "Christ" ...	...	...	104	...	...	...	...	30
Total		10,112	10,000	112,481	140	73	1,700	112,772	2,974

## THE PUBLIC HEALTH (REGULATIONS AS TO FOOD) ACT, 1907.

The following Table gives particulars of food dealt with during the year ended December 31st, 1920, under the Unsound Food and Foreign Meat Regulations.

TABLE XII.

DESCRIPTION OF ARTICLES DESTROYED OR OTHERWISE DEALT WITH.	TONS	CWTS.	LBS.
Apples (Raw) ... ..	...	2	0
Apricots (Canned) ... ..	...	...	16
Beef (Canned) ... ..	...	11	28
Beef (Fresh) ... ..	...	1	82
Beef (Salted) ... ..	...	10	82
Fish ... ..	3	8	0
Fruit Pulp ... ..	...	9	62
Grapes ... ..	5	4	7
Herrings (Canned) ... ..	...	...	12
Melons ... ..	...	9	56
Milk, Condensed ... ..	...	15	92½
Mutton and Lamb (Frozen) ... ..	4	2	71
Offal (Fresh) ... ..	2	10	101
Offal (Frozen) ... ..	4	7	106
Onions ... ..	84	10	56
Oranges ... ..	61	1	0
Plums (Canned) ... ..	...	6	110
Pork and Beans (Canned) ... ..	8	3	76
Potatoes ... ..	27	3	0
Poultry ... ..	...	...	109
Prunes ... ..	...	4	0
Raisins... ..	...	1	36
Soup and Bouilli (Canned) ... ..	...	...	54
Tomatoes (Canned) ... ..	210	2	29
Tomatoes (Raw) ... ..	...	10	28
Tongue, Lunch (Canned) ... ..	...	...	84
Total ... ..	414	19	63½

## DISEASES OF ANIMALS ACTS, 1894 to 1914.

(And the Orders of the Ministry of Agriculture and Fisheries made thereunder.)

## THE CANINE ANIMALS ORDER, 1909, AND THE IMPORTATION OF DOGS ORDER, 1914.

During the year ended December 31st, 1920, 949 dogs were imported from foreign countries, either directly or indirectly.

In each case a copy of the Order was supplied to the Master or Officer in charge of the vessel on arrival, by an Officer of the Local Authority.

These Ships were visited regularly during their stay in Port to see that the requirements of the Order were carried out.

The following Table gives particulars of food stuffs which during the year ended December 31st, 1907, under the Customs Food and Foreign Meat Regulations.

TABLE XII.

LBS.	CWT.	WONS.	DESCRIPTION OF ARTICLES DESTROYED OR OTHERWISE DEALT WITH.	
0	2	...	...	Apples (Raw)
10	...	...	...	Apples (Canned)
38	11	...	...	Beef (Canned)
82	1	...	...	Beef (Fresh)
82	10	...	...	Beef (Salted)
0	8	2	...	Butter
82	0	...	...	Butter (Salted)
7	1	2	...	Cheese
12	...	...	...	Ham (Canned)
38	0	...	...	Milk
82	10	...	...	Milk (Condensed)
71	2	4	...	Mutton and Lamb (Fresh)
101	10	2	...	Oil (Fresh)
108	7	4	...	Oil (Tinned)
38	10	30	...	Onions
0	1	01	...	Oranges
110	0	...	...	Pears (Canned)
70	2	8	...	Pork and Bacon (Canned)
0	2	27	...	Potatoes
108	...	...	...	Poultry
0	1	...	...	Rice
30	1	...	...	Salt
44	...	...	...	Soup and Soufflé (Canned)
20	1	210	...	Tomatoes (Canned)
38	10	...	...	Tomatoes (Raw)
84	...	...	...	Trappes, Lamb (Canned)
691	10	414	...	Total

DISEASES OF ANIMALS ACT, 1904.

(And the Orders of the Ministry of Agriculture and Fisheries made thereunder.)

THE CANINE ANIMALS ORDER, 1906, AND THE IMPORTATION OF DOGS ORDER, 1914.

During the year ended December 31st, 1907, 619 dogs were imported from foreign countries either directly or indirectly.

In each case a copy of the Order was supplied to the Master or Officer in charge of the vessel on arrival, by an Officer of the Local Authority.

Those ships were visited regularly during their stay in Port to see that the requirements of the Order were carried out.

The following Table shows the particulars of proceedings taken at the Police Court, against the Masters of four vessels for infringement of Sec. 10 of the Importation of Dogs Order, 1914.

TABLE XIII.

Date. 1920.	Legal proceedings (cases)	Result
February 10th ... ..	1	£2 including costs
October 28th ... ..	1	£1 and £1 0s. 6d. costs
Do. ... ..	1	£1 and 10/- costs
Do. ... ..	1	£5 and 5/- costs
Totals ... ..	4	£10 15s. 6d.

## FOREIGN ANIMALS ORDER, 1910.

During the year, sixty-four vessels arrived at this Port with the following animals on board from scheduled countries, either directly or indirectly, viz. :—Cattle, 25 ; Sheep, 94 ; Goats, 5 ; Swine, 58 ; Total, 182.

These ships were visited regularly to see that the Regulations of the Ministry of Agriculture and Fisheries were carried out.

When any of the ships left for another Port in Great Britain, the Authorities at those Ports were notified.

## ANNUAL REPORT OF D. JENKINS (CANAL BOAT INSPECTOR), FOR THE YEAR 1920.

Section 3 of the Canal Boats Act of 1919, provides that it shall be the duty of every Registrar or Sanitary Authority within whose district any canal, or any part of a canal, is situated, to enforce within such districts, the provisions of the principal Act, and any Regulations made thereunder by the Local Government Board, and every such Authority shall within two months after the first of December in every year, make a report to the Local Government Board, as to the operation of the principal Act, and this Act, and of the Regulations made thereunder as amended, and as to the steps taken by such Authority during the year, to give effect to the provisions of the said Act and Regulations.

(1) Canal Boats visited and inspected during the year 1920	67
Condition of Boats	20
Infractions	21
Departure of Boats	All Made
Women and Children sleeping on Canal Boats	20

The following Table shows the particulars of proceedings taken at the Police Court, against the Masters of four vessels for contravention of Sec. 10 of the Importation of Dogs Order, 1914.

TABLE XIII.

Result	Legal proceedings (cases)	Date 1920
22 including writs	1	February 1920
21 and 21 or 21 writs	1	October 1920
1 and 10- writs	1	Do
22 and 22- writs	1	Do
210 124 51	4	Total

FOREIGN ANIMALS ORDER, 1910.

During the year, sixty-four vessels arrived at this Port with the following animals on board from scheduled countries, either directly or indirectly, viz.—Cattle, 22; Sheep, 92; Goats, 5; Pigs, 22; Total, 142.

These ships were visited regularly to see that the regulations of the Ministry of Agriculture and Fisheries were carried out.

When any of the ships left for another Port in Great Britain, the Authorities at those Ports were notified.

The following Table shews the particulars of proceedings taken at the Police Court against the Masters of thirty-one vessels for infringement of Article 2 of the Foreign Animals Order, 1910.

TABLE XIV.

Date.				Legal	Result.
1920.				proceedings	
				(cases)	
January	8th	...	...	1	8/6 costs
"	15th	...	...	1	Cautioned
"	27th	...	...	2	17/- costs
February	3rd	...	...	1	Cautioned
"	4th	...	...	1	3/6 costs
"	19th	...	...	1	8/6 costs
"	24th	...	...	1	8/6 costs
March	26th	...	...	1	8/6 costs
April	15th	...	...	1	16/- costs
May	14th	...	...	1	8/6 costs
June	9th	...	...	1	5/- costs
"	29th	...	...	1	8/6 costs
"	30th	...	...	1	Adjourned (Sine Die)
July	2nd	...	...	1	£1 and 3/6 costs
"	8th	...	...	1	16/- costs
August	10th	...	...	1	8/6 costs
"	13th	...	...	1	£2 and 7/- costs
"	25th	...	...	1	9/- costs
September	9th	...	...	1	10/- costs
"	14th	...	...	1	£1 0s. 6d. costs
"	16th	...	...	1	10/- costs
"	21st	...	...	3	£2 16s. 6d. costs
October	8th	...	...	1	10/- costs
"	14th	...	...	1	£1 and 3/6 costs
"	26th	...	...	1	£2 and 5/- costs
December	7th	...	...	2	15/- costs
"	9th	...	...	1	7/6 costs
Totals				31	£19 14s. 6d.

#### ANNUAL REPORT OF D. JENKINS (CANAL BOAT INSPECTOR) FOR THE YEAR 1920.

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 any part of a canal is situated, to enforce within such districts, the provisions of the principal Act, and this Act, and any Regulations made thereunder by the Local Government Board, and every such Authority shall within twenty-one days after the 31st of December in every year, make a report to the Local Government Board 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 visited and inspected during the year 1920	...	...	60
Condition of Boats. Good	...	...	39
Infringements	...	...	21
Occupants of Boats	...	...	All Males
Women and Children sleeping in Canal Boats	...	...	Nil.

The following Table shows the particulars of proceedings taken at the Police Court against the Master of thirty-two vessels for infringement of Article 3 of the Inland Navigation Act, 1881.

TABLE XIV

Month	Legal Proceedings (cases)	Date 1881
January	1	8th
"	1	15th
"	2	27th
February	1	2nd
"	1	15th
"	1	17th
"	1	24th
March	1	26th
April	1	10th
May	1	14th
June	1	26th
"	1	27th
"	1	29th
July	1	3rd
"	1	8th
August	1	10th
"	1	13th
"	1	20th
September	1	25th
"	1	26th
"	1	27th
"	1	28th
October	1	2nd
"	1	14th
November	2	7th
"	1	21st
Total	31	

ANNUAL REPORT OF D. JENKINS (CANAL BOAT INSPECTOR) FOR THE YEAR 1882

Section 3 of the Canal Boats Act of 1881, provides that it shall be the duty of every Registrar or General Authority within whose district any canal, or any part of a canal is situated to enforce within each district the provisions of the principal Act, and the Act, and any regulations made thereunder by the Local Government Board, and every such Authority shall within twenty days after the 31st of December in every year, make a report to the Local Government Board as to the execution of the principal Act, and the Act, and of the regulations made thereunder in accordance, and as to the steps taken by such Authority during the year, to give effect to the provisions of the said Act and Regulations.

(1) Canal boats visited and reported during the year 1882	60
Condition of Boats Good	39
Infringements	21
Owners of Boats	All Boats
Women and Children sleeping in Canal Boats	Nil

## (2) Infringements :—

(a) Registration ... .. Nil.	(5) Detention of Boats for cleansing and disinfecting ... .. Nil.
(b) Notification, Change of Master ... Nil.	(6) Number of Boats on Register ... 14
(c) Certificates ... .. Nil.	(7) Number of Boats registered during the year 1920 :—
(d) Marking ... .. 2	(a) Motor propelled boats ... Nil.
(e) Overcrowding ... .. Nil.	(b) Other boats rendered necessary by alterations and change of owners ... .. Nil.
(f) Separation of Sexes ... .. Nil.	(8) Removal from Register ... .. Nil.
(g) Cleanliness ... .. 8	(9) Number of Boats believed to be in use or serviceable ... .. 14
(h) Painting ... .. 8	*(a) Motor propelled Boats ... 1
(i) Ventilation ... .. Nil.	(b) Not propelled by motor ... 13
(j) Water Vessels ... .. Nil.	(10) Number of boats that cannot be traced ... .. Nil.
(k) Removal of Bilge Water ... .. Nil.	(11) Boats with accommodation for two males ... .. 13
(l) Notification of Infectious Diseases... Nil.	(12) Boats with accommodation for three males ... .. 1
(m) Admittance of Inspector ... .. Nil.	
(n) Defective Stoves and Chimneys ... Nil.	
(o) Roofs leaking ... .. 3	
(p) Boats leaking ... .. Nil.	
(3) Legal proceedings taken in respect of infringements ... .. Nil.	
(4) Any other steps taken to secure compliance with the Acts and Regulations ? Yes, Verbal and Written Notices.	

\* This boat has not been in use since the outbreak of War.

With regard to the Glamorganshire Canal, the upper section, north of Pontypridd, still remains closed; also the Aberdare Canal; both sections having been closed owing to Colliery subsidence.

The breach which took place in the canal at Cilfynydd, south of the Albion Colliery, in July, 1915, has not yet been repaired, therefore the Company is unable to carry goods above Pontypridd. Subsidence is still causing a great deal of trouble and expense on this section.

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

The lighters engaged in carrying grain, patent fuel, etc., in the docks, have been periodically examined, cleansed, disinfected and repaired during the year.

The fishing boats, also the fish wharves, have been regularly visited, cleansed and disinfected.

I wish to record my thanks for the valuable assistance given by H.M. Collector of Customs, also Waterguard Superintendent and Staff; also to the Dock Masters of the Cardiff and Penarth Docks and their Officers, as well as to the Chief of the Cardiff Railway Company Police and his Staff, which has been greatly appreciated by all the Officials of the Medical Officer of Health's Department.

I have the honour to be, Gentlemen,

Your obedient Servant,

EDWARD WALFORD,

*Medical Officer of Health for the Cardiff  
Port Sanitary District.*

(2) Indulgences

1	(12) Boats with accommodation for three	make	...	1	any other steps taken to secure compliance with the Acts and Regulations; Yes, Verbal and Written Notice
12	(11) Boats with accommodation for two	make	...	Nil	(4) Legal proceedings taken in respect of Indulgences
Nil	(10) Boats that cannot be used	...	...	Nil	(3) Boats making
13	(9) Not propelled by motor	...	...	3	(2) Boats making
1	(8) Motor propelled boats	...	...	Nil	(1) Boats making
14	(7) Number of boats allowed to be in use or overboard	...	...	Nil	(10) Addition of Inspector
Nil	(6) Removal from Register	...	...	Nil	(9) Notification of Intention to Depart
Nil	(5) Other boats rendered necessary by alterations and change of owners	...	...	Nil	(8) Removal of High Water
Nil	(4) Boats	...	...	Nil	(7) Water Works
Nil	(3) Boats	...	...	Nil	(6) Ventilation
Nil	(2) Boats	...	...	8	(5) Testing
Nil	(1) Boats	...	...	8	(4) Cleanliness
Nil	(0) Boats	...	...	Nil	(3) Separation of Boats
Nil	(-1) Boats	...	...	Nil	(2) Overcrowding
Nil	(-2) Boats	...	...	Nil	(1) Marking
Nil	(-3) Boats	...	...	Nil	(0) Certificate
Nil	(-4) Boats	...	...	Nil	(-1) Notification Change of Master
Nil	(-5) Boats	...	...	Nil	(-2) Registration

\*This boat has not been in use since the outbreak of War

With regard to the Chesapeake Canal, the upper section, north of Longbridge, still remains closed; also the Aberdeen Canal; both sections having been closed owing to Colliery accidents.

The breach which took place in the canal at Cherryfield, north of the Albion Colliery, in July, 1916, has not yet been repaired, therefore the Company is unable to carry goods above Cherryfield. Subsidies is still covering a great deal of trouble and expense on this section.

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

The lights engaged in carrying grain, cement, etc., in the boats, have been periodically examined, cleaned, de-oiled and repaired during the year.

The fishing boats, also the fish wharves, have been regularly visited, cleaned and disinfected.

I wish to record my thanks for the valuable assistance given by H. M. Colliery of Ganton, also Waterguard Superintendent and Staff; also to the Local Masters of the Cardiff and Penarth Docks and their Officers, as well as to the Chief of the Cardiff Railway Company Police and his Staff, which has been greatly appreciated by all the Officers of the Medical Officer of Health's Department.

I have the honour to be, Gentlemen,

Your obedient servant,

EDWARD WALFORD,

Medical Officer of Health for the Cardiff Port sanitary District