

[Report 1897] / Medical Officer of Health, Sunderland Port Health Authority.

Contributors

Sunderland (Tyne and Wear, England). Port Health Authority.

Publication/Creation

1897

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PORT OF SUNDERLAND.

1897.

ANNUAL REPORT

PRESENTED TO THE

PORT SANITARY AUTHORITY

BY

HAROLD SCURFIELD,


M.D. & C.M., EDIN., D.P.H., CAMB.,

*Medical Officer of Health for the Port and Borough of
Sunderland.*

Sunderland :

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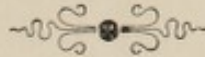
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SUNDERLAND PORT SANITARY AUTHORITY.



The Mayor, Aldermen, and Councillors

OF THE

COUNTY BOROUGH OF SUNDERLAND.



COMMITTEE.

Alderman J. HARRISON, J.P., Chairman.
Councillor J. TURNBULL, Vice-Chairman.

Alderman	BELL, J.P.	Councillor	FOSTER.
"	BRUCE.	"	JAGO.
"	BURNS, J.P.	"	KIRTLEY.
"	COATES.	"	PUNSHON.
"	FAIRLESS, J.P.	"	RICHARDSON, N.
"	GIBSON, J.P.	"	RITSON.
"	JOHNSTON.	"	ROCHE.
"	RICHARDSON, J.P.	"	RUDLAND.
"	RICKABY.	"	SANDERSON, W., J.P.
"	WALKER.	"	SHORT, J. Y., J.P.
Councillor	ANNISON, J.P.	"	SHORT, JOSEPH.
"	CALVERT.	"	SMITH.
"	CHRISP.	"	THOMPSON, L.
"	COWELL.	"	TURNBULL, H. J., J.P.
"	CROWN.	"	

OFFICERS.

Clerk :
FRANCIS M. BOWEY.

Medical Officer of Health :
HAROLD SCURFIELD.

INSPECTOR OF NUISANCES.

T. R. PRESTON.

Meetings—Every Fourth Thursday, at 7·30 p.m.

Offices of Medical Officer of Health and } TOWN HALL,
Inspector of Nuisances, } Fawcett Street,

TELEPHONE, No. 356.

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Sunderland Port Sanitary Authority.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE

YEAR ENDING DECEMBER 31st, 1897.

TO THE MAYOR, ALDERMEN, AND COUNCILLORS OF THE COUNTY
BOROUGH OF SUNDERLAND, ACTING AS THE PORT SANITARY
AUTHORITY OF THE PORT OF SUNDERLAND.

GENTLEMEN,

In compliance with the order of the Local Government Board, I have to submit herewith a report for your consideration of work performed in the Port during the year 1897. The sanitary condition of the ships entering the Port, and the measures taken to abate sickness and remove nuisances, are fully set forth.

The following table gives the particulars of the vessels which arrived in the Port with cases of sickness on board. It will be seen that only 17 ships were so reported, a particularly small number considering the trade of the Port, 6269 vessels having arrived during the year. Four of the 17 were found to have each one case of an Infectious disorder on board, three being cases of Enteric fever, and the fourth a case of Smallpox. Two of the Enteric fever patients, and the Smallpox patient were removed to the Borough Sanatorium, and subsequently

discharged cured. The other case of Enteric fever was treated at the Infirmary, and also recovered. In each instance the vessel was thoroughly fumigated and disinfected after the removal of the patient. The crew of the steamer on which the case of Smallpox occurred were vaccinated by the Medical Officer of Health, and the residents in the houses visited by them were kept under observation, and recommended to have themselves re-vaccinated.

The willing assistance given during the year by the Collector and the Quarantine Officers of H.M. Customs, has tended to facilitate the work of the Authority.

Of the cases of Infectious disease which were reported in the Borough during the year, five appear to have arisen on ship-board, viz.:—four cases of Enteric fever, and one of Smallpox, the persons affected all being residents of the Borough. Of the Enteric fever patients, one, an Engineer, who had lately arrived from Rio Janiero, died, and the other three recovered. None of them were treated in the Sanatorium. The man affected with Smallpox, an Officer of the S.S. "Lemnos," which at the time was lying in the Tyne, was re-moved to the Sanatorium, and discharged at the end of four weeks.

RETURN OF CASES OF SICKNESS

Reported to have occurred during the Voyage or found on Arrival in Port.

Date of Visit.	Name of Ship.	Where from.	Nature of Disease.	Remarks.
Feb. 11	S.S. Anine	Dunkirk	Enteric Fever	The man was supposed to be suffering from Rheumatic Pains and taken to the Infirmary, where he was treated. The ship was thoroughly disinfected.
„ 17	S.S. Finchale ...	Bilbao Via Middlesbro'	Smallpox	One of the crew was landed at Middlesbro' suffering from Smallpox. On arrival at Sunderland each member of the crew was examined by the M.O.H. and the vessel disinfected.

RETURN OF CASES OF SICKNESS.—CONTINUED.

Date of Visit.	Name of Ship.	Where from.	Nature of Disease.	Remarks.
Feb. 19	S.S. Scotia	Denmark	Ague	Visited by M.O.H., but was found to be non-infectious.
April 24	S.S. Empress ...	Bilbao	Pleurisy.	
„ 29	Sussex Maid ...	London	Influenza	Patient removed to the Infirmary.
May 6	S.S. Santurce ...	Bilbao	A Non-Infectious Ailment.	
„ 17	Anton	Stettin	Pneumonia	Reported that a man had died on the passage. The crew were examined by a medical practitioner and certified to be all well.
„ 20	Arno	Ghent	Chest Disease	Patient removed to the Infirmary.
„ 24	S.S. Nordcap ...	Aarhus	Enteric Fever	Patient removed to the Borough Sanatorium and vessel disinfected.
June 10	S.S. Empress ...	Bilbao	Gastric Complaint	Visited by M.O.H. in the roads, and disease found to be non-infectious.
July 10	S.S. Fonar	Ship Island	Enteric Fever	Visited by M.O.H. in the roads. Patient removed to Borough Sanatorium and vessel disinfected.
„ 14	S.S. Saltram.....	Southsea	Convulsions.	This patient was a child.
Sept. 10	S.S. Tweed	Amsterdam	Purpura Hæmorrhagica	Second Mate. Taken to his residence and died two days later.
Oct. 25	Alcyone.....	Norway	Chest Complaint.	
Nov. 3	S.S. St. Addressa	France	Pneumonia.	
„ 17	S.S. Delano	Rotterdam	Severe Cold.	
Dec. 12	SS. Hollinside ...	Seville <i>via</i> Tyne	Smallpox	Patient removed to the Borough Sanatorium, vessel disinfected, crew vaccinated by M.O.H., and kept under observation.

INSPECTION OF SHIPS.

During the year 1897, the total number of vessels entering the Port was 6,269, an increase of 276 on that of the preceding year. Those engaged in the coasting trade numbered 4,606, and in the European trade 1,508, while 155 were trading beyond Europe. The gross tonnages of the vessels amounted to 2,731,796 tons.

The particulars of these ships, as regards tonnage, are seen in the following table, which also gives a comparison with the preceding seven years :—

TABLE A.

Tonnage.	1890	1891	1892	1893	1894	1895	1896	1897
Under 150 tons...	1684	1668	1495	1683	1649	1562	1801	1731
150 - 250 „ ...	984	833	696	878	913	841	908	764
250— 350 „ ...	519	522	414	483	506	438	453	470
350— 500 „ ...	1386	1442	1212	1451	1628	1602	1624	1307
500— 750 „ ...	784	860	681	811	921	858	915	882
750— 1000 „ ...	359	334	293	390	427	391	398	412
1000 and upwards	336	387	374	460	466	414	446	303
Totals	6052	6046	5165	6156	6510	6106	6545	6269

Of the total ships which entered the Port, 2,747 were inspected and reported upon by the Inspector to the Port Sanitary Committee in his monthly reports. On these vessels there were 37,532 sailors living, compared with 36,411, in 1896. The average number of men in each ship last year was 13·7. • The following figures show the average number living on board ship for the past ten years :—

1887 = 12·0	1893 = 13·3
1888 = 12·0	1894 = 13·5
1889 = 11·9	1895 = 13·4
1890 = 12·4	1896 = 13·4
1891 = 12·7	1897 = 13·7
1892 = 12·9	

And the annexed table gives the number of men living on board ships inspected, together with the number of crew employed for the past seven years :—

TABLE B.

No. of Men in Crew.	1891.		1892.		1893.		1894.		1895.		1896.		1897.	
	No. of Ships	Total Sea-men.	No. of Ships	Total Sea-men.	No. of Ships	Total Sea-men.	No. of Ships	Total Sea-men.	No. of Ships	Total Sea-men.	No. of Ships	Total Sea-men.	No. of Ships	Total Sea-men.
4	98	392	92	368	93	372	59	236	80	320	67	268	70	280
5	339	1695	305	1525	238	1190	256	1280	211	1055	241	1205	257	1285
6	145	870	126	756	163	978	125	750	101	648	123	738	156	936
7	355	2485	316	2212	306	2142	264	1868	278	1946	298	2086	285	1995
8	163	1304	145	1160	170	1360	166	1328	136	1088	162	1296	130	1040
9	66	94	56	504	57	513	74	666	82	738	82	738	72	648
10	33	330	37	370	53	530	59	590	41	410	48	480	58	580
11	32	352	23	253	40	440	49	539	67	737	58	638	45	495
12	62	744	39	468	53	636	73	876	67	794	58	696	53	636
13	61	793	51	663	80	1040	85	1105	73	949	59	767	66	858
14	155	2170	125	1750	96	1344	106	1484	116	1624	139	1946	133	1862
15	230	3450	268	4020	189	2835	208	3120	261	3915	253	3798	184	2760
16	114	1824	94	1504	218	3488	318	5088	366	5874	371	5936	364	5824
17	183	3111	165	2805	164	2788	205	3485	179	3043	174	2958	203	3451
18	139	2502	117	2106	104	1872	104	1872	84	1512	82	1476	106	1908
19	29	551	55	1045	86	1632	79	1501	107	2071	102	1938	85	1615
20	60	1200	69	1340	94	1880	99	1980	97	1940	67	1340	111	2220
21	94	1074	68	1448	82	1732	78	1638	55	1155	65	1365	66	1386
22	36	792	39	858	46	1012	40	880	45	990	43	946	64	1408
23	63	1449	43	986	46	1058	65	1495	38	874	38	874	48	1104
24	46	1104	47	1128	41	984	51	1224	32	768	48	1152	49	1176
25	28	700	19	475	42	1050	25	625	20	500	18	450	22	550
26	30	780	36	936	32	832	35	910	32	832	39	1014	45	1170
27	5	135	17	459	7	189	15	405	9	203	21	567	25	675
28	13	364	17	476	20	560	14	392	16	448	20	560	11	308
29	0	0	1	20	7	203	8	232	7	203	5	145	8	232
30	13	390	13	390	11	330	14	420	7	210	5	150	14	420
31	2	62	2	62	3	93	0	0	2	62	7	217	0	0
32	11	352	25	800	13	416	5	160	5	160	6	192	3	96
33	3	99	0	0	5	165	2	66	3	99	2	66	0	0
34	0	0	0	0	0	0	1	34	8	322	2	68	0	0
35	3	105	0	0	5	175	1	35	2	70	5	175	3	105
36	0	0	0	0	0	0	2	72	0	0	1	36	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	1	38	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	3	117	0	0	0	0	0	0
40	1	40	0	0	0	0	0	0	0	0	0	0	6	240
41	0	0	0	0	0	0	0	0	2	82	0	0	1	41
42	0	0	0	0	4	168	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	5	215	0	0	1	43
44	0	0	1	44	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	1	49
50	2	100	1	50	0	0	0	0	0	0	3	150	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	1	52
55	0	0	0	0	5	275	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	1	80	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	2	162	0	0	0	0	0	0	0	0	0	0
84	1	60	0	0	0	0	0	0	0	0	0	0	1	84
160	1	100	0	0	0	0	0	0	0	0	0	0	0	0
Total	2617	33411	2414	31152	2573	34272	2688	36473	2641	35557	2713	36411	2747	37532

The number of different sized vessels inspected, together with the percentages, is seen in the following table :—

Tonnage.	Arrivals in Port.	Inspections.	Percentage of Vessels Inspected.
Under 150 tons.....	1731	502	28·0
150—250 „	764	474	62·0
250—350 „	470	170	36·2
350—500 „	1507	459	30·5
500—750 „	882	465	52·8
750—1000 „	412	250	60·7
1000 and upwards	503	427	84·9
All Tonnages.	6269	2747	43·8

If you compare 1897 with 1896, the above table shows a decrease of 70 in vessels under 150 tons ; a decrease of 144 in vessels 150 to 250 tons ; an increase of 17 in vessels 250 to 350 tons ; a decrease of 117 in vessels 350 to 500 tons ; a decrease of 33 in vessels 500 to 750 tons ; an increase of 14 in vessels 750 to 1000 tons ; an increase of 57 in vessels 1000 tons and upwards ; a net decrease of 276 in the total number of vessels.

The following Table shows the tonnage, number, and percentage of vessels examined since 1890, in which year it will be noticed the percentage of ships examined was 42·5, as against 43·8 per cent. in the year just ended :—

TABLE C.

TONNAGES.	1890.		1891.		1892.		1893.		1894.		1895.		1896.		1897.	
	Number of inspections.	Per Cent. inspected.	Number of inspections.	Per Cent. inspected.	Number of inspections.	Per Cent. inspected.	Number of inspections.	Per Cent. inspected.	Number of inspections.	Per Cent. inspected.	Number of inspections.	Per Cent. inspected.	Number of inspections.	Per Cent. inspected.	Number of inspections.	Per Cent. inspected.
Under 150 tons	595	35·3	606	36·3	565	36·0	521	30·9	482	29·2	480	30·7	480	26·5	502	28·0
150-250 "	572	58·1	555	66·6	462	66·3	534	60·8	495	54·2	467	55·5	502	55·2	474	62·0
250-350 "	215	41·4	200	38·3	165	39·8	153	31·6	190	37·5	180	41·0	195	43·0	170	36·2
350-500 "	390	28·1	372	25·7	360	29·7	401	27·6	444	27·2	491	30·6	480	29·6	459	30·5
500-750 "	380	48·4	374	43·4	350	51·3	365	45·0	435	47·2	440	51·2	453	49·5	465	52·8
750-1000 "	201	55·9	179	53·5	173	59·0	205	52·5	259	60·6	255	65·2	253	63·5	250	60·7
1000 & upwards	241	71·7	331	85·5	339	90·6	394	85·6	383	82·1	328	79·2	348	78·0	427	84·9
Totals	2,574	42·5	2,617	43·2	2,414	46·7	2,573	41·7	2,688	41·2	2,641	43·2	2,713	41·3	2,747	43·8

Of the vessels examined

853	were examined once	=	853 inspections
211	„ twice	=	422 „
94	„ 3 times	=	282 „
50	„ 4 „	=	200 „
33	„ 5 „	=	165 „
30	„ 6 „	=	180 „
23	„ 7 „	=	161 „
20	„ 8 „	=	160 „
19	„ 9 „	=	171 „
12	„ 10 „	=	120 „
3	„ 11 „	=	33 „
—			—
1348			2747
—			—

As will be seen from the following Table, 2,747 vessels were visited by the Inspector during the year. Of this number 229, or $8\frac{1}{2}$ per cent., were found to have one or more sanitary defects. The nuisances consisted of 187 foul or dirty forecastles or living places, and 42 foul conveniences. The existing regulations of the Board of Trade, allow 72 cubic feet of air space, with 12 superficial feet of floor space to each seaman. This space is exceedingly small, and, unless the most scrupulous cleanliness and efficient ventilation are maintained, living, under these circumstances, must be detrimental to the health and comfort of the sailors. In every instance the nuisance was abated on the verbal notice of the Inspector.

In addition, the following structural defects were found and remedied on the representation of the Inspector, viz. :—

- 3 fore-castle decks requiring to be lined with wood.
- 5 fore-castles with defective lighting.
- 3 fore-castle decks leaking.
- 2 defective water-closets.
- 5 stoves required.
- 1 paint locker allowing the effluvia to enter the men's sleeping place.

A considerable number of ships, which had come to undergo general repairs, arrived in the port, and were inspected by Captain Preston. In the case of these, which are not included in the above list, everything was carried out that was requisite from a sanitary point of view.

It was not found necessary in any case to serve a written notice, a proof that the work of the Department is being carried out with a minimum of friction. In the case of insanitary vessels, a second and sometimes a third visit is made by the Inspector.

TABLE D.

Date of Report, 1897.	Description of Ships.		Nationality.		Trade engaged in.		Total ships examined. 7	Sanitary Condition.			Written Notices.		Verbal Notices 13	Total Verbal and Written Notices 14
	1	2	3	4	5	6		8	9	10	11.	12		
January 6th	18	7	20	5	17	8	25	22	...	3	...	3	3	
February 3rd	147	67	176	38	138	76	214	192	...	22	...	22	22	
March 3rd	141	74	182	33	136	79	215	192	...	23	...	23	23	
April 1st	129	85	170	44	125	89	214	201	...	13	...	13	13	
April 28th	125	73	144	54	105	93	198	179	...	19	...	19	19	
May 26th	144	69	161	52	108	105	213	195	...	18	...	18	18	
June 24th	115	92	156	51	109	98	207	198	...	9	...	9	9	
July 21st	133	85	147	71	92	126	218	205	...	13	...	13	13	
August 18th	130	84	158	56	100	114	214	202	...	12	...	12	12	
September 15th ...	132	85	160	57	114	103	217	196	...	21	...	21	21	
October 13th	131	88	163	56	112	107	219	205	...	14	...	14	14	
November 10th ...	133	83	162	54	119	97	216	197	...	19	...	19	19	
December 9th	141	76	165	52	119	98	217	193	...	24	...	24	24	
" 31st ..	111	49	117	43	82	78	160	141	...	19	...	19	19	
Totals in 1897 ...	1730	1017	2081	666	1476	1271	2747	2518	...	229	...	229	229	
Totals in 1896 ...	1708	1005	2185	528	1536	1177	2713	2470	5	238	1	237	238	

During 2,747 inspections, 229 verbal notices to abate nuisances of different kinds were given and were attended to.

The annexed Table has been compiled to show the number of steam and sailing ships, with their nationality, trade and sanitary condition for the past 18 years :—

TABLE E.

Years.	Steam Ships.	Sailing Ships.	Nationality.		Trade.		Totals.	Sanitary condition.		Percentages.	
			British.	Foreign.	Coasting.	Foreign.		Good or passable.	Bad.	Good or passable.	Bad.
1880	603	1417	1663	357	1277	743	2020	1727	293	% 85	% 15
1881	559	1396	1605	350	1318	637	1955	1650	305	85½	14½
1882	564	1364	1472	456	1178	750	1928	1565	363	81	19
1883	782	1319	1686	415	1302	799	2101	1692	409	80½	19½
1884	902	1251	1754	399	1346	807	2153	1788	365	83	17
1885	958	1184	1664	478	1255	887	2142	1807	335	84	16
1886	992	1231	1748	475	1329	894	2223	1934	289	87	13
1887	1095	1156	1726	525	1248	1003	2251	1955	296	87	13
1888	1140	1205	1858	487	1401	944	2345	2082	263	89	11
1889	1287	1277	1891	673	1388	1176	2564	2245	319	88	12
1890	1342	1232	2032	542	1540	1034	2574	2316	258	90	10
1891	1375	1242	2080	537	1547	1070	2617	2406	211	92	8
1892	1292	1122	1880	534	1368	1046	2414	2236	178	93	7
1893	1450	1123	2021	552	1407	1166	2573	2367	206	92	8
1894	1672	1016	2114	574	1420	1268	2688	2433	255	90½	9½
1895	1693	948	2163	478	1472	1169	2641	2439	202	93	7
1896	1708	1005	2185	528	1536	1177	2713	2475	238	91	9
1897	1730	1017	2081	666	1476	1271	2747	2518	229	91½	8½
Totals...	21,144	21,505	33,423	9,226	24,808	17,841	42,649	37,635	5,014	88½	11½

The following figures show the number and percentage of each nationality of ships inspected :—

TABLE F.

	Inspected.	Insanitary.	Percentage.
Austrian.....	2	0	0·0
Belgian	1	0	0·0
Danish	102	3	2·9
Dutch	38	2	5·2
French	20	3	15·0
German	119	24	20·1
Greek	6	0	0·0
Italian	5	0	0·0
Japanese	1	0	0·0
Norwegian.....	144	30	20·8
Russian	32	3	9·4
Spanish	6	0	0·0
Swedish	190	19	10·0
Total Foreigners	666	84	12·6
British	2081	145	7·0

From the above it will be seen that this year the Russian, Danish, and Dutch vessels were found to be in a good sanitary condition. Out of 172 inspections made of these ships, only eight complaints were recorded.

The Norwegian ships gave the highest insanitary percentage. Next to them came the German, and next to them the French.

The British ships occupy a middle position, and show an insanitary percentage ·9 less than last year.

The following tabulated statement shows the number of ships inspected belonging to each nationality, together with the number in an insanitary condition, since 1884 (14 years) :—

TABLE G.

Years.	1884.		1885.		1886.		1887.		1888.		1889.		1890.		1891.		1892.		1893.		1894.		1895.		1896.		1897.		1884-07.	
	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.	Inspected.	Insanitary.
Austrian	1	1	5	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	3	1	5	3	2	1	18	4	
Belgian	2	2	2	2	5	1	1	1	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	2	1	1	29	7		
Brazilian	30	1	30	1	39	1	33	1	39	1	51	1	59	5	41	4	58	4	37	1	74	1	78	3	4	102	38	746	25	
Danish	10	8	13	9	18	1	9	1	6	1	7	1	4	4	6	3	3	3	7	1	17	1	7	1	1	38	2	162	6	
Dutch	35	5	24	6	21	3	9	1	8	3	22	4	17	4	16	21	21	21	1	38	3	23	4	24	3	13	20	38	291	36
French	128	27	151	27	131	20	172	24	149	27	199	34	166	27	161	8	168	9	164	12	163	15	125	9	103	21	119	24	2090	284
German	4	2	2	2	4	1	2	1	1	1	3	2	1	1	6	6	8	1	8	1	8	3	4	1	9	3	6	61	14	
Greek	1	1	1	1	1	1	1	1	1	1	6	1	8	1	6	1	1	1	1	1	9	1	6	1	3	1	5	57	5	
Italian	1	1	1	1	1	1	1	1	1	1	6	1	8	1	6	1	1	1	1	1	9	1	6	1	3	1	1	2	2	
Japanese	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Norwegian	97	11	120	9	95	7	128	26	133	10	200	20	152	12	137	8	111	10	113	8	101	9	112	13	132	25	144	30	1775	198
Portuguese	10	1	13	2	13	1	19	4	12	2	21	4	9	3	19	5	15	15	15	15	1	1	3	3	3	3	32	3	237	30
Russian	2	2	2	1	1	1	9	3	3	3	4	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	6	6	60	11
Spanish	80	4	128	7	151	10	137	13	134	6	158	12	123	7	138	8	142	6	156	7	139	15	95	8	132	190	19	1903	122	
Swedish	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
United States	1754	313	1664	276	1748	248	1726	223	1858	210	1891	240	2032	203	2080	177	1886	150	2021	173	2114	197	2163	162	2185	173	2081	145	27197	2890
BRITISH	1754	313	1664	276	1748	248	1726	223	1858	210	1891	240	2032	203	2080	177	1886	150	2021	173	2114	197	2163	162	2185	173	2081	145	27197	2890

The following table is of interest, as showing the percentages of ships in an insanitary state, for the past eight years :—

TABLE H.

NATIONALITIES.	PERCENTAGE INSANITARY.							
	1890	1891	1892	1893	1894	1895	1896	1897
Austrian	—	—	—	—	—	—	—	0·0
Belgian	0·0	50·0	50·0	0·0	33·5	0·0	0·0	0·0
Brazilian	—	—	—	—	—	—	—	—
Danish	8·7	9·7	0·0	0·0	1·3	3·8	5·3	2·9
Dutch	0·0	0·0	0·0	0·0	5·8	0·0	3·7	5·2
French	0·0	0·0	4·7	7·8	17·0	12·5	0·0	15·0
German	16·2	4·9	5·3	7·3	9·2	7·2	20·3	20·1
Greek.....	0·0	0·0	12·5	0·0	37·5	25·0	33·3	0·0
Italian	12·5	0·0	0·0	0·0	11·1	0·0	0·0	0·0
Japanese	—	—	—	—	—	—	0·0	0·0
Norwegian	7·8	5·8	9·0	7·0	8·9	10·7	18·9	20·8
Portuguese	—	—	—	—	0·0	0·0	—	—
Russian	33·3	26·3	0·0	0·0	16·1	18·7	0·0	9·4
Spanish	0·0	0·0	0·0	25·0	60·0	0·0	0·0	0·0
Swedish	5·6	5·7	4·2	4·4	10·7	8·4	8·3	10·0
United States ...	—	—	—	—	—	—	—	—
British.....	9·9	8·5	7·9	8·5	9·3	7·4	7·9	7·0

Taking the four years, 1890-93, the average percentage of insanitary British ships was 8·7 ; whilst from 1894 to 1897 it declined to 7·9.

Fish Market.

The Inspector (Captain Preston) has taken precautions to prevent unsound Fish being landed, and had occasion to seize six barrels of skate, which were destroyed with the consent of the respective owners.

Sewers.

The mouths of the Sewers opening into the river and docks have been examined by the Inspector every month, and found to be in working order and free from any obstruction.

Water Boats.

The Water Boats have been examined at least once a month, and always found to be in a satisfactory condition.

The Cholera Hospital.

This Hospital is still in position up the river, and has undergone several repairs during the year, and has also been limewashed and painted. The two wire hawsers have been replaced by two mooring chains, and a new chain has been fixed to the cutwater.

I am, Gentlemen,

Your obedient Servant,

HAROLD SCURFIELD,

Medical Officer of Health.

Health Offices,

28th February, 1898.

1857

The following is a list of the names of the persons who have been admitted to the membership of the Society since the last meeting of the Council.

Mr. J. H. [Name] [Address]

Mr. J. H. [Name] [Address]

Mr. J. H. [Name] [Address]

Mr. J. H. [Name] [Address]

Mr. J. H. [Name] [Address]

Mr. J. H. [Name] [Address]

Mr. J. H. [Name] [Address]

Mr. J. H. [Name] [Address]

Mr. J. H. [Name] [Address]