

(Received at London Office)

o. in  
Book.  
543

Survey held at Cardiff Date, First Survey 18<sup>th</sup> July Last Survey 29<sup>th</sup> July 1921  
on the Machinery of the ~~Wood, Iron or Steel~~ See "Maggie O'Regan" Master (No. of Visits) 11

Last Report No. _____ Port _____ Date of last Survey and of Periodical Surveys _____	X for Special Survey, for Machinery and Boiler Surveys (including date of N.B., if any).
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Medical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the use of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and notes being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.

the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes

his was not done, state for what reasons? ✓

to what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler?

the Surveyor examine the Safety Valves of Donkey Boiler? *Yes* To what pressure were they afterwards adjusted under steam? *100 lbs*

the Surveyor examine the drain plugs of the main Boilers? Yes, and of the Donkey Boiler Yes

Is screw shaft now been drawn and examined? *Yes* Is it fitted with continuous liner? *as* or two liners? *Yes* or is it without liners? *✓*

the shaft now fitted new? ☒ Has it a continuous liner? ☒ or two liners? ☒ or is it without liners? ☒

The Survey is not complete state what arrangements have been made for its completion and what remains to be done? *Complete*

Stern bulk and outside fastenings of sea connections were examined.

Cylinders, pistons, valves, Air Circulating, Feed and Bilge pumps, Condens

Donkey pumps. All auxiliary valves and chests. Pumping arrangement all

The following repairs carried out.

and then 3:10

Blank shaft - up to 10' - bearing lined up. Shaft - 10' - 12' - 14' - 16' - 18' - 20' - 22' - 24' - 26' - 28' - 30' - 32' - 34' - 36' - 38' - 40' - 42' - 44' - 46' - 48' - 50' - 52' - 54' - 56' - 58' - 60' - 62' - 64' - 66' - 68' - 70' - 72' - 74' - 76' - 78' - 80' - 82' - 84' - 86' - 88' - 90' - 92' - 94' - 96' - 98' - 100' - 102' - 104' - 106' - 108' - 110' - 112' - 114' - 116' - 118' - 120' - 122' - 124' - 126' - 128' - 130' - 132' - 134' - 136' - 138' - 140' - 142' - 144' - 146' - 148' - 150' - 152' - 154' - 156' - 158' - 160' - 162' - 164' - 166' - 168' - 170' - 172' - 174' - 176' - 178' - 180' - 182' - 184' - 186' - 188' - 190' - 192' - 194' - 196' - 198' - 200' - 202' - 204' - 206' - 208' - 210' - 212' - 214' - 216' - 218' - 220' - 222' - 224' - 226' - 228' - 230' - 232' - 234' - 236' - 238' - 240' - 242' - 244' - 246' - 248' - 250' - 252' - 254' - 256' - 258' - 260' - 262' - 264' - 266' - 268' - 270' - 272' - 274' - 276' - 278' - 280' - 282' - 284' - 286' - 288' - 290' - 292' - 294' - 296' - 298' - 300' - 302' - 304' - 306' - 308' - 310' - 312' - 314' - 316' - 318' - 320' - 322' - 324' - 326' - 328' - 330' - 332' - 334' - 336' - 338' - 340' - 342' - 344' - 346' - 348' - 350' - 352' - 354' - 356' - 358' - 360' - 362' - 364' - 366' - 368' - 370' - 372' - 374' - 376' - 378' - 380' - 382' - 384' - 386' - 388' - 390' - 392' - 394' - 396' - 398' - 400' - 402' - 404' - 406' - 408' - 410' - 412' - 414' - 416' - 418' - 420' - 422' - 424' - 426' - 428' - 430' - 432' - 434' - 436' - 438' - 440' - 442' - 444' - 446' - 448' - 450' - 452' - 454' - 456' - 458' - 460' - 462' - 464' - 466' - 468' - 470' - 472' - 474' - 476' - 478' - 480' - 482' - 484' - 486' - 488' - 490' - 492' - 494' - 496' - 498' - 500' - 502' - 504' - 506' - 508' - 510' - 512' - 514' - 516' - 518' - 520' - 522' - 524' - 526' - 528' - 530' - 532' - 534' - 536' - 538' - 540' - 542' - 544' - 546' - 548' - 550' - 552' - 554' - 556' - 558' - 560' - 562' - 564' - 566' - 568' - 570' - 572' - 574' - 576' - 578' - 580' - 582' - 584' - 586' - 588' - 590' - 592' - 594' - 596' - 598' - 600' - 602' - 604' - 606' - 608' - 610' - 612' - 614' - 616' - 618' - 620' - 622' - 624' - 626' - 628' - 630' - 632' - 634' - 636' - 638' - 640' - 642' - 644' - 646' - 648' - 650' - 652' - 654' - 656' - 658' - 660' - 662' - 664' - 666' - 668' - 670' - 672' - 674' - 676' - 678' - 680' - 682' - 684' - 686' - 688' - 690' - 692' - 694' - 696' - 698' - 700' - 702' - 704' - 706' - 708' - 710' - 712' - 714' - 716' - 718' - 720' - 722' - 724' - 726' - 728' - 730' - 732' - 734' - 736' - 738' - 740' - 742' - 744' - 746' - 748' - 750' - 752' - 754' - 756' - 758' - 760' - 762' - 764' - 766' - 768' - 770' - 772' - 774' - 776' - 778' - 780' - 782' - 784' - 786' - 788' - 790' - 792' - 794' - 796' - 798' - 800' - 802' - 804' - 806' - 808' - 810' - 812' - 814' - 816' - 818' - 820' - 822' - 824' - 826' - 828' - 830' - 832' - 834' - 836' - 838' - 840' - 842' - 844' - 846' - 848' - 850' - 852' - 854' - 856' - 858' - 860' - 862' - 864' - 866' - 868' - 870' - 872' - 874' - 876' - 878' - 880' - 882' - 884' - 886' - 888' - 890' - 892' - 894' - 896' - 898' - 900' - 902' - 904' - 906' - 908' - 910' - 912' - 914' - 916' - 918' - 920' - 922' - 924' - 926' - 928' - 930' - 932' - 934' - 936' - 938' - 940' - 942' - 944' - 946' - 948' - 950' - 952' - 954' - 956' - 958' - 960' - 962' - 964' - 966' - 968' - 970' - 972' - 974' - 976' - 978' - 980' - 982' - 984' - 986' - 988' - 990' - 992' - 994' - 996' - 998' - 1000' - 1002' - 1004' - 1006' - 1008' - 1010' - 1012' - 1014' - 1016' - 1018' - 1020' - 1022' - 1024' - 1026' - 1028' - 1030' - 1032' - 1034' - 1036' - 1038' - 1040' - 1042' - 1044' - 1046' - 1048' - 1050' - 1052' - 1054' - 1056' - 1058' - 1060' - 1062' - 1064' - 1066' - 1068' - 1070' - 1072' - 1074' - 1076' - 1078' - 1080' - 1082' - 1084' - 1086' - 1088' - 1090' - 1092' - 1094' - 1096' - 1098' - 1100' - 1102' - 1104' - 1106' - 1108' - 1110' - 1112' - 1114' - 1116' - 1118' - 1120' - 1122' - 1124' - 1126' - 1128' - 1130' - 1132' - 1134' - 1136' - 1138' - 1140' - 1142' - 1144' - 1146' - 1148' - 1150' - 1152' - 1154' - 1156' - 1158' - 1160' - 1162' - 1164' - 1166' - 1168' - 1170' - 1172' - 1174' - 1176' - 1178' - 1180' - 1182' - 1184' - 1186' - 1188' - 1190' - 1192' - 1194' - 1196' - 1198' - 1200' - 1202' - 1204' - 1206' - 1208' - 1210' - 1212' - 1214' - 1216' - 1218' - 1220' - 1222' - 1224' - 1226' - 1228' - 1230' - 1232' - 1234' - 1236' - 1238' - 1240' - 1242' - 1244' - 1246' - 1248' - 1250' - 1252' - 1254' - 1256' - 1258' - 1260' - 1262' - 1264' - 1266' - 1268' - 1270' - 1272' - 1274' - 1276' - 1278' - 1280' - 1282' - 1284' - 1286' - 1288' - 1290' - 1292' - 1294' - 1296' - 1298' - 1300' - 1302' - 1304' - 1306' - 1308' - 1310' - 1312' - 1314' - 1316' - 1318' - 1320' - 1322' - 1324' - 1326' - 1328' -

General Observations, Opinion, and Recommendation:—The Machinery of this vessel  
(State clearly what alterations it was suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also the reasons therefor.)

is now in a safe working condition and in my opinion

Book of, I. M. C. 7.21. Screw Shaft seen 7.21 Pressure 185 lbs

Reg Fee (per Section 28) £ 1 1 1 Fees applied for 1/15 to 1/19/61

Received by me, *Ed*  
24/8/1921  
Selling Expenses (if chargeable)..... £ .. ..  
Engineer Surveyor to Lloyd's Register of Shipping.

Assigned \_\_\_\_\_  
Machinery Cert \_\_\_\_\_  
Lloyd's Re \_\_\_\_\_

W503-7008



a number of these pipes on testing with the hammer were found to be wasted in parts. The following were subsequently replaced by copper pipes, namely -

Main inspection pipe.

Main discharge pipe.

Main feed pipe to boiler.

Dunk feed pipe to boiler.

Boiler blow down pipe.

Port and Starboard Water gauge pipe top lengths.

Bilge discharge pipe (main engine) one length.

The Bilge inspection pipe also Tank inspection pipe both wasted were renewed of lead.

The main boiler was opened up and examined together with its Safety valves and mountings and found in good condition. The furnaces show no signs of straining.

The Boiler and Machinery were examined under steam. Safety valves tested to pressure stated above, and Engines tried under steam and found satisfactory.

J. W. Bell

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.