

REPORT ON MACHINERY.

3402

No. 3402 Port of Belfast Received at London Office _____
 No. in Survey held at Belfast Date, first Survey _____ Last Survey 18
 Reg. Book. _____
 in Sup on the Auxiliary Boiler S.S. Oceana (Number of Visits _____) Tons _____
 Master _____ Built at Belfast By whom built Harland & Wolff When built 1887/8
 Engines made at _____ By whom made _____ when made _____
 Boilers made at Belfast By whom made Harland & Wolff when made 1887/8
 Registered Horse Power _____ Owners Peninsular & Oriental S.N. Co Port belonging to _____

ENGINES, &c.—

Description of Engines _____
 Diameter of Cylinders _____ Length of Stroke _____ No. of Rev. per minute _____ Point of Cut off, High Pressure _____ Low Pressure _____
 Diameter of Screw shaft _____ Diam. of Tunnel shaft _____ Diam. of Crank shaft journals _____ Diam. of Crank pin _____ size of Crank webs _____
 Diameter of screw _____ Pitch of screw _____ No. of blades _____ state whether moveable _____ total surface _____
 No. of Feed pumps _____ diameter of ditto _____ Stroke _____ Can one be overhauled while the other is at work _____
 No. of Bilge pumps _____ diameter of ditto _____ Stroke _____ Can one be overhauled while the other is at work _____
 Where do they pump from _____
 No. of Donkey Engines _____ Size of Pumps _____ Where do they pump from _____
 Are all the bilge suction pipes fitted with roses _____ Are the roses always accessible _____ Are the sluices on Engine room bulkheads always accessible _____
 No. of bilge injections _____ and sizes _____ Are they connected to condenser, or to circulating pump _____
 How are the pumps worked _____
 Are all connections with the sea direct on the skin of the ship _____ Are they Valves or Cocks _____
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates _____ Are the discharge pipes above or below the deep water line _____
 Are they each fitted with a discharge valve always accessible on the plating of the vessel _____ Are the blow off cocks fitted with a spigot and brass covering plate _____
 How are the pipes carried through the bunkers _____ How are they protected _____
 Are all pipes, cocks, valves, and pumps in connection with the machinery accessible at all times _____
 Are the pipes, cocks, and valves arranged so as to prevent an unintentional connection between the sea and the bilges _____
 When were stern tube, propeller, screw shaft, and all connections examined in dry dock _____
 Is the screw shaft tunnel watertight _____ and fitted with a sluice door _____ worked from _____

BOILERS, &c.—

Number of Boilers One Description Single Ended Multi Whether Steel or Iron Steel
 Working Pressure 100 lbs Tested by hydraulic pressure to 200 lbs Date of test 10th November, 1887
 Description of superheating apparatus or steam chest None fitted
 Can each boiler be worked separately Can the superheater be shut off and the boiler worked separately
 Area of square feet of fire grate surface in each boiler 42.5 Description of safety valves See Cogburn's No. 2 No. to each boiler Two
 Area of each valve 8.3 Are they fitted with easing gear yes No. of safety valves to superheater 2 area of each valve ✓
 Are they fitted with easing gear Smallest distance between boilers and bunkers or woodwork 18" Diameter of boilers 12'-6"
 Length of boilers 10'-0" description of riveting of shell long. seams ble straps bble Riv circum. seams ble flapped Thickness of shell plates 25"
 Diameter of rivet holes 18" whether punched or drilled drilled pitch of rivets 4.5 Lap of plating 12" But straps
 Percentage of strength of longitudinal joint 75 plate 83 rivets working pressure of shell by rules 103 lbs size of manholes in shell 8" 12" x 16"
 No. of compensating rings _____ ell's Keils patent No. of Furnaces in each boiler Three
 Inside diameter 35 length, top 7-0 bottom 9-6 thickness of plates 3/16" description of joint Butt with str. bble B.S. if rings are fitted are steel
 Greatest length between rings 7-3 working pressure of furnace by the rules 100 combustion chamber plating, thickness, sides 3/8" back 3/8" top 3/8"
 Pitch of stays to ditto, sides 8 1/4" x 8 1/4" back 8 1/2" x 7 1/2" top 8 3/4" x 8 3/4" If stays are fitted with nuts or riveted heads nutted working pressure of plating by rules 100 lbs
 Diameter of stays at smallest part 1 3/8" working pressure of ditto by rules 115 end plates in steam space, thickness 1"
 Pitch of stays to ditto 17" x 19" x 17" how stays are secured Two nuts and washers working pressure by rules 113 lbs diameter of stays at smallest part 2 5/8" x 2 3/4" x 3" working pressure by rules 135 lbs Front plates at bottom, thickness 3/4" Back plates, thickness 3/4"
 Greatest pitch of stays 13" working pressure by rules 120 lbs Diameter of tubes 3 1/2" - P.W.C. pitch of tubes 4 1/4" x 4 1/4" thickness of tube plates, front 3/4" back 4/6" how stayed Stay tubes solid stays 13 1/2" x 9 1/2" width of water spaces 8 1/2" at sides of boxes 6" between boxes 10 1/2" bet. tube nuts
 Diameter of Superheater or Steam chest length thickness of plates description of longitudinal joint diam. of rivet holes
 Pitch of rivets working pressure of shell by rules diameter of flue thickness of plates If stiffened with rings
 Distance between rings working pressure by rules end plates of superheater, or steam chest; thickness how stayed
 Manufacturers Sig: Harland & Wolff Superheater or steam chest; how connected to boiler _____
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 BECS4-0248

DONKEY BOILER— Description

Made at by whom made when made where fixed
Working pressure tested by hydraulic pressure to No. of Certificate fire grate area description of safety valves
No. of safety valves area of each if fitted with easing gear if steam from main boilers can enter the donkey boiler
diameter of donkey boiler length description of riveting
Thickness of shell plates diameter of rivet holes whether punched or drilled pitch of rivets lap of plating
per centage of strength of joint thickness of crown plates stayed by
Diameter of furnace, top bottom length of furnace thickness of plates description of joint
Thickness of furnace crown plates stayed by working pressure of shell by rules
Working pressure of furnace by rules diameter of uptake thickness of plates thickness of water tubes

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

General Remarks (State quality of workmanship, opinions as to class, &c.)

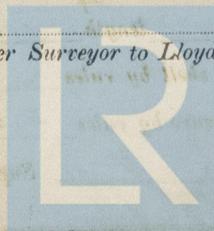
The amount of Entry Fee .. £ : : received by me,
Special .. £ : :
Donkey Boiler Fee .. £ : :
Certificate (if required) .. £ : : 18
To be sent as per margin.

(Travelling Expenses, if any, £)

Committee's Minute

FRIDAY 21 FEB 1893

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping



Lloyd's Register Foundation