

REPORT ON BOILERS.

Mult. No. 5044

Old No. 23305

Received at London Office

SAT. 15 JUN 1907

Date of writing Report June 5th 1907 When handed in at Local Office 5th June 1907 Port of MIDDLESBROUGH-ON-TEES

No. in Survey held at Stockton Date, First Survey 21st January Last Survey 31st May 1907

Reg. Book. on the Donkey Boiler of 5/8 "Kossuth Forenoon" (Number of Visits 12) Tons } Gross 4805.70
Net 5114.43

Master Dobrovich Built at Sunderland By whom built J. J. Thompson & Son When built 1907

Engines made at Stockton By whom made Polain & Co Ltd when made 1907

Boilers made at Stockton By whom made Polain & Co Ltd when made 1907

Registered Horse Power Owners Atlantica Sea Navigation Ltd Port belonging to Fiume

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY.~~ Manufacturers of Steel John Spencer & Son Ltd

(Letter for record S) Total Heating Surface of Boilers 1373 sq ft Is forced draft fitted No No. and Description of Boilers One. Cyl Tubular Working Pressure 120 lb Tested by hydraulic pressure to 240 lb Date of test 18-4-07

No. of Certificate 3897 Can each boiler be worked separately Yes Area of fire grate in each boiler 33 1/2 sq ft No. and Description of safety valves to each boiler Two spring Area of each valve 5.9 sq in Pressure to which they are adjusted 120 lb

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No

Smallest distance between boilers or uptakes and bunkers or woodwork 24 in Steam dia. of boilers 12-6 in Length 10-0 in

Material of shell plates Steel Thickness 3/4 in Range of tensile strength 29/32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams L D Riv long. seams D Point Strap Diameter of rivet holes in long. seams 7/8 in Pitch of rivets Water row 6 3/4 in
Two inner rows 5 3/8 in

Lap of plates or width of butt straps 1-1 7/8 in Per centages of strength of longitudinal joint rivets 88.4 Working pressure of shell by plate 87

rules 122 lb Size of manhole in shell 16 x 12 in Size of compensating ring 30 x 26 x 3/4 in No. and Description of Furnaces in each boiler 2 plain Material Steel Outside diameter 3-5 in Length of plain part top 6-8 in Thickness of plates crown 9/16 in bottom 3/8 in

Description of longitudinal joint Welded No. of strengthening rings — Working pressure of furnace by the rules 131 lb Combustion chamber plates: Material Steel Thickness: Sides 9/16 in Back 9/16 in Top 9/16 in Bottom 1 in Pitch of stays to ditto: Sides 9 3/4 x 9 3/4 in Back 9 3/4 x 9 3/4 in

Top 9 3/4 x 9 3/4 in If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 128 lb Material of stays Steel Diameter at smallest part 1 7/16 in Area supported by each stay 95 sq in Working pressure by rules 136 lb End plates in steam space: Material Steel Thickness 15/16 in

Pitch of stays 20 x 14 1/2 in How are stays secured 2 x 10 in Working pressure by rules 123 lb Material of stays Steel Diameter at smallest part 2 3/8 in

Area supported by each stay 330 sq in Working pressure by rules 134 lb Material of Front plates at bottom Steel Thickness 1 in Material of Lower back plate Steel Thickness 15/16 in Greatest pitch of stays 19 1/2 x 9 3/4 in Working pressure of plate by rules 27 lb Diameter of tubes 3 1/4 in

Pitch of tubes 4 1/2 x 4 5/8 in Material of tube plates Steel Thickness: Front 1 in Back 13/16 in Mean pitch of stays 12 3/4 in Pitch across wide water spaces 14 1/4 in Working pressures by rules 145 lb Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 6 3/4 x 1 1/4 in Length as per rule 26 1/2 in Distance apart 9 3/4 in Number and pitch of Stays in each Two 9 3/4 in

Working pressure by rules 130 lb Superheater or Steam chest; how connected to boiler None Can the superheater be shut off and the boiler worked separately Yes

Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

Geo. Hettleship Manufacturer.

ASSISTANT SECRETARY.

Is the approved plan of boiler forwarded herewith No. Polain's

Total No. of visits 12

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been constructed under special survey. The materials and workmanship are good & efficient and when tested under steam was found satisfactory.

Survey Fee ... £ 2 : 2 : 0 When applied for, 2.5.1907
Travelling Expenses (if any) £ : : When received, 29.6.1907

Geo. D. Milner
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Assigned



W1258-0058

Is a Report also sent on the Hull of the Ship? If not, state whether, and when, one will be sent?

L.M. 4.7. Copyable Ink.