

REPORT ON BOILERS.

No. 40,134.

Received at London Office JUN. 30 1920

of writing Report May 8th 1920 When handed in at Local Office 26. 6. 1920. Port of GLASGOW.

Survey held at Paisley Date, First Survey 23. 6. 19. Last Survey 5. 5. 1920.

Book. on the S.E. Marine Boiler for SS FINVOY (Number of Visits 8.) Gross Tons Net

ter Built at By whom built When built 1920

ines made at By whom made When made

lers made at Paisley By whom made A. F. Craig & Co Ltd (655) When made 1920.

istered Horse Power Owners Port belonging to

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Colville & Sons. Ltd.

atter for record S) Total Heating Surface of Boilers 1298 sq ft Is forced draft fitted no No. and Description of

Boilers One S.E. Marine Working Pressure 135 Tested by hydraulic pressure to 240 Date of test 5/5/20

Certificate 15244 Can each boiler be worked separately Area of fire grate in each boiler 44.5 sq ft No. and Description of

Safety valves to each boiler Double Spring Area of each valve 4.07 sq ft Pressure to which they are adjusted 140 lbs

Are they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork 12" INT dia. of boilers 12' 0" Length 10' 0"

Material of shell plates Steel Thickness 49/64 Range of tensile strength 28 to 32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams DR Lap long. seams TR DBS Diameter of rivet holes in long. seams 15/16 Pitch of rivets 4 3/8

7-7-1 Lap of plates or width of butt straps 1' 2" Per centages of strength of longitudinal joint rivets 90.4 plate 84.3 Working pressure of shell by

5-2-1 Rules 134 Size of manhole in shell 16" x 12" Size of compensating ring 29 5/8 x 25 3/4 x 3/4 No. and Description of Furnaces in each

5-2-1 Boiler 3. Plain Material Steel Outside diameter 3' 1" Length of plain part top 6'-9 1/2" Thickness of plates crown 41 bottom 64

20. Description of longitudinal joint Weld No. of strengthening rings None Working pressure of furnace by the rules 135. Combustion chamber

20. plates: Material Steel Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 15/16 Pitch of stays to ditto: Sides 8 1/2 x 8 Back 8 1/2 x 4 1/2

Top 8 1/2 x 8 1/2 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 160 Material of stays Steel Area Diameter at

6000 smallest part 1' 2 1/2" Area supported by each stay 68 sq in Working pressure by rules 143 End plates in steam space: Material Steel Thickness 15/16

464 C Pitch of stays 19 1/2 x 15 How are stays secured Nut & Washer Working pressure by rules 134 Material of stays Steel Area Diameter at smallest part 4.3 sq in

Area supported by each stay 292.5 sq in Working pressure by rules 152 Material of Front plates at bottom Steel Thickness 15/16 Material of

Lower back plate Steel Thickness 15/16 Greatest pitch of stays 1'-2" x 8 1/2 Working pressure of plate by rules 226 Diameter of tubes 3 1/4

Pitch of tubes 4 1/2 x 4 3/8 Material of tube plates Steel Thickness: Front 15/16 Back 23/32 Mean pitch of stays 11 1/16 Pitch across wide

water spaces 1' 2" Working pressures by rules 160 Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8" x 1/2" Length as per rule 29 23/32 Distance apart 8 1/2" 9" Number and pitch of Stays in each 2 @ 8 1/2"

Working pressure by rules 146 Superheater or Steam chest: how connected to boiler None Can the superheater be shut off and the boiler worked

separately - 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 -

Survey request form

No 2H15 attached

The foregoing is a correct description, W. G. & Co. Ltd. Manufacturer.

Dates of Survey During progress of 1919 June 23. July 9 Sept. 16. Is the approved plan of boiler forwarded herewith Yes.

while building During erection on 1920 Feb 18 Mar 19 Apr 9-30 May 5 Total No. of visits 8

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boiler was built under Special Survey in accordance with the approved plan. The workmanship and materials are good. This boiler now securely fitted on board and tried under steam with satisfactory results.

Survey Fee ... : : When applied for, 191

Travelling Expenses ... : : When received, 191

D. C. Barr. W. G. & Co. Ltd. Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 29 JUN 1920

Assigned See attached report on machinery

Lloyd's Register Foundation

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