

REPORT ON BOILERS.

No. 18770.

Report 24/6/1924 When handed in at Local Office 28/9/1924 Port of Greenock
 Survey held at Greenock Date, First Survey 24th April, 1924 Last Survey 24th June, 1924
 in the T/S "Roumna" (Number of Visits 11)
 Built at Ardronau By whom built Ardronau St. 15870. When built 1927
 Made at Glasgow By whom made W. Beardmore & Co. Ltd. When made 1927
 Made at Greenock By whom made John & James 2nd (141) When made 1927
 Horse Power Owners Union Castle Mail S/C Co. Port belonging to London.

TUBULAR BOILERS - MAIN, ~~ACCORDANCE WITH~~ - Manufacturers of Steel Beardmore
 Total Heating Surface of Boilers 1357.3 sq ft Is forced draft fitted No
 Working Pressure 180 Tested by hydraulic pressure to 320
 Single Ended Can each boiler be worked separately Yes Area of fire grate in each boiler 31.6 sq ft
 Certificate 1762 Double Spring Area of each valve 3.98 sq ft Pressure to which they are adjusted 185
 s to each boiler In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 ted with easing gear Yes
 Distance between boilers or uptakes and bunkers or woodwork 2'-0" Dia. of boilers 11'-9" Length 10'-6"
 shell plates S Thickness 1" Range of tensile strength 28/32 Are the shell plates welded or flanged
 riveting: cir. seams DR long. seams TRIDBS Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 4 5/8"
 Date of Test width of butt straps 16" Per centages of strength of longitudinal joint rivets 89.4% plate 86.0% Working pressure of shell by
 Size of manhole in shell 16 1/2 x 20 1/2 Size of compensating ring 30 1/8 x 34 1/8 x 1 3/32 No. and Description of Furnaces in each
 corrugated Material S Outside diameter 3'-8 1/4" Length of plain part top 17'-2" bottom 17'-32"
 of longitudinal joint mild No. of strengthening rings Working pressure of furnace by the rules 185 Combustion chamber
 Material S Thickness: Sides 2 1/32" Back 1 1/16" Top 2 1/32" Bottom 3/4" Pitch of stays to ditto: Sides 9 1/8 x 8 9/16" Back 8 3/8 x 10"
 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 194 Material of stays S Area at
 Area supported by each stay 83.75 Working pressure by rules 185 End plates in steam space: Material S Thickness 1 1/2"
 How are stays secured DN. Work Working pressure by rules 186 Material of stays S Area at smallest part 4'-90"
 ted by each stay 276 Working pressure by rules 186 Material of Front plates at bottom S Thickness 1 1/2" Material of
 plate S Thickness 1 1/2" Greatest pitch of stays 13 3/4" Working pressure of plate by rules 190 Diameter of tubes 3"
 es 4 1/4 x 4 3/16 Material of tube plates S Thickness: Front 1 1/32" Back 2 5/32" Mean pitch of stays 9'-43" Pitch across wide
 14" Working pressures by rules 189 Girders to Chamber tops: Material S Depth and thickness of
 tre 83 1/4 x 5 7/8 (2) Length as per rule 30.54 Distance apart 8 9/16" Number and pitch of Stays in each 2 at 9 5/8"
 Pressure by rules 204 Steam dome: description of joint to shell
 Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 Working pressure of shell by rules Crown plates Thickness How stayed

FOR JOHN G. KINCAID & COY. LIMITED
 The foregoing is a correct description,
 W. C. Carter Manufacturer.

During progress of (1924) Apr. 24, May 11, 16, 20, 23, 24, June 1, 4, 10, 21, 24 Is the approved plan of boiler forwarded herewith Yes
 Work in shops - - -
 During erection on board vessel - - - Total No. of visits 11.

REMARKS (State quality of workmanship, opinions as to class, &c.) These Boilers have been
 under Special Survey in accordance with
 approved plan & the material & workmanship are of
 quality they are now securely fitted on board
 vessel according to plan of the Machinery. (See Ref. 46981.)

Register Office ... £ 15. 12. When applied for, 29th Sept. 1924
 Expenses (if any) £ : : When received, 14. 10. 1924
 W. C. Carter
 Engineer Surveyor to Lloyd's Register of Shipping.

GLASGOW 4 - OCT 1927

See accompanying mach. report.

004900 - 004905 - 0180