

REPORT ON BOILERS.

BOX CASES

No. 34826

13. 2. 1915 When handed in at Local Office
 13. 2. 1915 Port of Glasgow
 Date, First Survey 12/1/15 Last Survey 10/2/1915
 No. in Survey held at Glasgow
 Reg. Book. 169 on the Boiler for S.S. "CLIFFMORE"
 Master McVea Built at Belfast By whom built M. Elwaine & Lewis
 Engines made at Belfast By whom made M. Elwaine & Lewis When made 1880
 Boilers made at Glasgow By whom made A. & L. Dalglisk (661) When made 1915
 Registered Horse Power 49 Owners Samuel Stewart & Co. Port belonging to Belfast

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel David Colville & Son, Ltd.
 Letter for record S. Total Heating Surface of Boilers 924 Is forced draft fitted No. No. and Description of
 Boilers One single ended marine Working Pressure 120 lbs. Tested by hydraulic pressure to 240 lbs. Date of test 10. 2. 15
 of Certificate 13024 Can each boiler be worked separately ✓ Area of fire grate in each boiler 32.3 No. and Description of
 Safety valves to each boiler Pair spring loaded Area of each valve 8.29 Pressure to which they are adjusted 90 lbs.
 Are they fitted with easing gear No. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
 Smallest distance between uptakes and bunkers 4'-3" Mean dia. of boilers 11'-0" Length 9'-0"
 Material of shell plates Steel Thickness 11/16" Range of tensile strength 28/32 Are the shell plates welded or flanged No.
 Material of riveting: cir. seams D.R. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 13/16" Pitch of rivets 5 1/4"
 Width of butt straps 13" Per centages of strength of longitudinal joint rivets 85.5 Working pressure of shell by
126 lbs. Size of manhole in shell 16" x 12" Size of compensating ring 6" x 16" No. and Description of Furnaces in each
2-plain Material steel Outside diameter 3'-6" Length of plain part 5'-6" Thickness of plates 19/32"
 Material of longitudinal joint weld No. of strengthening rings Nil Working pressure of furnace by the rules 125 lbs. Combustion chamber
 Material steel Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 29/32" Pitch of stays to ditto: Sides 8' x 4 1/2" Back 4 1/2' x 4 1/2"
8' x 8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 120 lbs. Material of stays steel Diameter at
 part 10 1/4" Area supported by each stay 64 Working pressure by rules 126 lbs. End plates in steam space: Material steel Thickness 3/32"
 Stays 14' x 16" How are stays secured D.N.S. Working pressure by rules 121 lbs. Material of stays steel Diameter at smallest part 2 1/2"
 Supported by each stay 224 Working pressure by rules 123 lbs. Material of Front plates at bottom steel Thickness 11/16" Material of
 Back plate steel Thickness 11/16" Greatest pitch of stays 4 1/4' x 13" Working pressure of plate by rules 142 lbs. Diameter of tubes 3 1/4"
 Tubes 4 1/2' x 4 1/2" Material of tube plates steel Thickness: Front 11/16" Back 5/8" Mean pitch of stays 9' x 13 1/2" Pitch across wide
 spaces 14' x 5 1/8" Working pressures by rules 182 lbs. Girders to Chamber tops: Material steel Depth and thickness of
 at centre 6 1/2' x 9" Length as per rule 2'-2 7/8" Distance apart 8' Number and pitch of Stays in each 2-8' x 8"
 pressure by rules 124 lbs. Superheater or Steam chest, how connected to boiler None Can the superheater be shut off and the boiler worked
 by ✓ Diameter ✓ Length ✓ Thickness of shell plates ✓ Material ✓ Description of longitudinal joint ✓ Diam. of rivet
✓ Pitch of rivets ✓ Working pressure of shell by rules ✓ Diameter of flue ✓ Material of flue plates ✓ Thickness ✓
 fitted with rings ✓ Distance between rings ✓ Working pressure by rules ✓ End plates: Thickness ✓ How stayed ✓
 pressure of end plates ✓ Area of safety valves to superheater ✓ Are they fitted with easing gear ✓

Key request form
1663 attached
 During progress of 1915 Jan. 12-28 Feb. 3-10
 work in shops - - -
 During erection on
 board vessel - - -
 The foregoing is a correct description,
A. & L. Dalglisk Manufacturer's
 Is the approved plan of boiler forwarded herewith Yes advice note
 Total No. of visits 4

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The materials and workmanship
good. This boiler has been built under special survey and will be fitted aboard
vessel at Androsman.
This boiler has been securely fitted aboard and its safety valves
adjusted under steam

Survey Fee ... £ 3-2-0 When applied for, 1915
 Travelling Expenses (if any) £ 1 When received, 1915
 MONTHLY ACCOUNT
P. J. Brown
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 COMMITTEE'S Minute TRANSMIT TO LONDON
 ned GLASGOW 16 FEB 1915
 FRI. JUN. 4 - 1915
 FRI. - 7 FEB 1930
 Lloyd's Register Foundation