

REPORT ON BOILERS.

No. 50860

Received at London Office 24 SEP 1930 18 MAR 1931

Date of writing Report 19 23/9/30 When handed in at Local Office 23/9/30 Port of GLASGOW
 No. in Survey held at Annan Date, First Survey 1.8.30 Last Survey 19th September 1930
 Reg. Book. on the Boiler No. 11738 S/S 'Macduin' (Number of Visits 8) Tons {Gross 4561
 Net 2626
 Master Elangou Built at Glasgow By whom built Barclay Curle & Co. (644) When built 1931
 Boilers made at Annan By whom made Messrs Cochran & Co. Ltd. Annan When made 1930
 Owners Brown & Philips, Ltd. Port belonging to Sydney

VERTICAL DONKEY BOILER— No. one Description Vertical Manufacturers of steel D. Calville & Sons Ltd.
 Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1930 Where fixed Inguis Room Working pressure 100
 tested by hydraulic pressure to 200 Date of test 19-9-30 No. of Certificate 18826 Fire grate area 755 Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 1.767 Pressure to which they are adjusted 150 lb If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Diameter of donkey boiler 3-9" Length 10-0" Material of shell plates Steel Thickness 3/8", 13/32", 3/8"
 Range of tensile strength 28-32 Description of riveting long seams D.R. Lap Diameter of rivet holes 23/32" Whether punched or
 drilled drilled Pitch of rivets 2-29/32", 2-23/32", 2-14/32" Lap of plating 3 3/4" Per centage of strength of joint Rivets 27-7 Working pressure of shell by
 rules 142.5 Thickness of shell crown plates 1/2" Radius of do. 3-2" No. of stays to do. ✓ Diameter of stays ✓ Diameter of
 furnace—Top 3-0" Bottom 3-2 1/8" Length of furnace 2-10 1/8" Thickness of furnace side plates 1/2" Description of joint S.R. deb / E.W. Working
 pressure of furnace by rules 173.2 Thickness of Ogee ring ✓ Working pressure of Ogee ring by rules ✓ Thickness of furnace
 crown plates 1/2" Radius of do. 1-11" Stayed by Hemisphere Diameter of uptake 8 1/2" x 13 3/4" Thickness of uptake
 plates 1/2" Thickness of tube plates front 1/16" Mean pitch of stay tubes in nest 8.843" Pitch in outer vertical rows 7 1/8"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules 124.2 Tubes: Material Woot Iron
 External diameter stay 2 1/2" Thickness stay 1/32" No. of threads per inch 9 Pitch of tubes 3 1/2" x 3 9/16"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating
 ring 5 1/4" x 3/4" No. of rivets and diameter of rivet holes 32 off. 23/32" Outer row pitch at ends 4 3/8"

FOR COCHRAN & CO., ANNAN, LTD.
 Baker Manufacturer.
 GENERAL WORKS MANAGER
 Drawing No. 18143

Dates of Survey while building { During progress of work in shops - 1930 Aug 1.8.15.18.22.28 Sept 5.19.
 During erection on board vessel - - -
 Total No. of visits 8. Is the approved plan of boiler forwarded herewith Yes.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under survey, in accordance with the Rules and approved plan.
The materials and workmanship are good.
This boiler has been built to the order of Messrs J. G. Kincaid & Co. Greenock, and is intended for their N.º K. 654

This Boiler has now been securely fitted on board
Wm Gordon-Macduin

Survey Fee £ 4 : 4 : ✓ When applied for 19
 Travelling Expenses (if any) £ : : ✓ When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 23 SEP 1930
 Assigned TRANSMIT TO LONDON

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 Engineer Surveyor to Lloyd's Register of Shipping.

W192-0303

Is a Report also sent on the name of the ship? Certificate (if required) to be sent to (The Surveyors are requested not to write on or below the space for Committee's Minute.)