

REPORT ON BOILERS.

23 MAY 1928

Slid. No. 29626

Slid. No. 47540

1 FEB 1928

Received at London Office

Date of writing Report 19 When handed in at Local Office 26.1.1928 Port of Glasgow

No. in Survey held at Annan Date, First Survey 11.27 Last Survey 24.1.1928

Reg. Book on the BOILER No 10735 ✓ M.V. INNESMOOR (Number of Visits 10) Tons Gross 4392 Net 2649

Master Built at Sunderland By whom built Wm Dufford & Sons Ltd When built 1928

Boiler made at Annan By whom made Messrs Cochran & Co Annan Ltd When made 1928

Owners Mon Line Port belonging to London

VERTICAL DONKEY BOILER— No. ONE ✓ Description VERTICAL ✓ Manufacturers of steel D. G. G. & Sons, Ltd. ✓

Made at Annan ✓ By whom made Cochran & Co Annan Ltd ✓ When made 1928 ✓ Where fixed Beam engine ✓ Working pressure 120 lbs ✓

tested by hydraulic pressure to 230 lbs ✓ Date of test 24/1/28 ✓ No. of Certificate 7747 ✓ Fire grate area 225 sq ft ✓ Description of safety valves Spring loaded ✓

No. of safety valves Two ✓ Area of each 4.9 sq in ✓ Pressure to which they are adjusted 125 ✓ If fitted with easing gear Yes ✓ If steam from main boilers can enter the donkey boiler No ✓ Diameter of donkey boiler 6'-6" ✓ Length 16'-3" ✓ Material of shell plates Steel ✓ Thickness 3/32", 3/32", 3/32" ✓

Range of tensile strength 28,300 lbs ✓ Description of riveting long seams D.R. Lap ✓ Diameter of rivet holes 29/32" ✓ Whether punched or drilled Drilled ✓ Pitch of rivets 2.766", 2.823", 2.864" ✓ Lap of plating 4 1/2" ✓ Per centage of strength of joint Rivets 71.5 Plates 67.2 Working pressure of shell by rules 124.5 lbs ✓ Thickness of shell crown plates 5/32", 19/64" ✓ Radius of do. 3'-3" ✓ No. of stays to do. 9 ✓ Diameter of stays 1 1/2" ✓ Diameter of furnace—Top Hemispherical ✓ Bottom 5'-6" ✓ Length of furnace 3'-7 1/2" ✓ Thickness of furnace side plates 9/16" ✓ Description of joint Seamless ✓ Working pressure of furnace by rules 141 lbs ✓ Thickness of Ogee ring 15/16" ✓ Working pressure of Ogee ring by rules 125.8 lbs ✓ Thickness of furnace crown plates 9/16" ✓ Radius of do. 2'-9" ✓ Stayed by Hemispherical ✓ Diameter of uptake 15" x 23" ✓ Thickness of uptake plates 9/16" ✓ Thickness of tube plates front 3/32" ✓ back 3/32" ✓ Mean pitch of stay tubes in nest 11' 12 1/2" ✓ Pitch in outer vertical rows 8" ✓

Diameter of tube holes FRONT stay 2 1/8" ✓ BACK stay 2 1/8" ✓ Working pressure of tube plates by rules GRANT 123 lbs ✓ Tubes: Material Best Iron ✓

External diameter stay 2 1/8" ✓ plain 2 1/8" ✓ Thickness stay 11/32" ✓ plain 11/32" ✓ No. of threads per inch 9 ✓ Pitch of tubes 3 1/8" x 4" ✓

Working pressure by rules 125 lbs ✓ Manhole compensation: Size of opening in shell plate 16" x 12" ✓ Section of compensating ring 12" x 3 1/2" ✓ No. of rivets and diameter of rivet holes 36 @ 29/32" ✓ Outer row pitch at ends 4" ✓

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED

W. O. G. G. & Sons

Manufacturer.

Dates of Survey while building

During progress of work in shops— 1927 Nov. 11 Dec 9-16 20 23 (1928) Jan 6-12-20-24

During erection on board vessel—

Total No. of visits 10

Drawing No.

13875

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.

Materials and workmanship good.

This boiler is to the order of Messrs Wm. Dufford & Sons of Sunderland and intended for their ship No 592. In classification.

This boiler has been satisfactorily fitted on board & the safety valves adjusted under steam.

For notation see machinery report.

Survey Fee ... £ 4 : 4 :

Travelling Expenses (if any) £ :

When applied for 19

When received 19

Committee's Minute GLASGOW 31 JAN 1928

Assigned TRANSMIT TO LONDON!

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 25 MAY 1928

See Minute on

Slid. Rpt 29736

009702-009710-0326

Lloyd's Register

Foundation