

REPORT ON BOILERS.

Sld. No. 29900
Sls. No. 48451.

-3 OCT 1928

Received at London Office
 of writing Report 19 When handed in at Local Office 29. 9. 28 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 14. 8. 28 Last Survey 28th Sept 1928
 Book on the BOILER No. 11039 M.S. NORTHMOOR. (Number of Visits 5) Tons Gross 439 1/2 Net 264 9/16
 Built at Sunderland By whom built Wm Duxford & Sons Ltd When built 1928
 Made at Annan By whom made Messrs Cochran & Co. Annan Ltd. When made 1928
 Port belonging to Lodon.

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel D. Colville & Sons Ltd
 Made at Annan By whom made Cochran & Co. Annan When made 1928 Where fixed *Recess in engine room.* Working pressure 120 lbs.
 Tested by hydraulic pressure to 230 lbs. Date of test 28-9-28 No. of Certificate 18051 Fire grate area 22.57 Description of safety valves Enclosed Spring
 No. of safety valves 2 Area of each 4.908 Pressure to which they are adjusted 125 lbs. If fitted with easing gear Yes If steam from main boilers can
 be used for the donkey boiler No Diameter of donkey boiler 6'-6" Length 16'-3" Material of shell plates Steel Thickness 17/32, 2 1/32, 17/32
 Tensile strength 28-32 Description of riveting long. seams D.R. Lap Diameter of rivet holes 29/32 Whether punched or
 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% Working pressure of shell by
 plates 67.2% Thickness of shell crown plates 15/16, 15/32 Radius of do. 3'-3" No. of stays to do. 9 Diameter of stays 5" Diameter of
 stay holes Top 5'-6" Bottom 5'-6" Length of furnace 3'-7 1/2 Thickness of furnace side plates 15/16 Description of joint 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
 plates 9/16 Radius of do. 2'-9" Stayed by Hemisphere Diameter of uptake 15" x 23" Thickness of uptake
 plates 9/16 Thickness of tube plates front 3/32 back 7/8 Mean pitch of stay tubes in nest 11.125 Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/16 BACK stay 2 1/2 Working pressure of tube plates by rules F 123 lbs B 133 lbs Tubes: Material Wrought iron
 Internal diameter stay 2 1/2 plain 2 9/16 Thickness stay 11/32 plain 11.636 No. of threads per inch 9 Pitch of tubes 3 9/16 x 4"
 Working pressure by rules 125 lbs Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating
 plate 6" x 27/32 No. of rivets and diameter of rivet holes 36 off. 29/32 Outer row pitch at ends 4"

The foregoing is a correct description,

J. C. Woodman Manufacturer.

(Annual Report)
 During progress of work in shops 1928 Aug. 14-31 - Sept. 11-20 28. Drawing No. 13875
 During erection on board vessel - - -
 Total No. of visits 5
 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 is to the order Messrs Wm Duxford & Sons Ltd. Sunderland and
 intended for "moo" Line vessel No. 590.
 This boiler has been satisfactorily fitted in the vessel & the safety
 valves adjusted under steam.
 For notation see machinery report

Survey Fee ... £ 4-4-0 : When applied for 19
 Travelling Expenses (if any) £ : : When received 19

MONTHLY ACCOUNT

J. E. Murdoch
 G. E. Murdoch 2020
 Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 7 DEC 1928

Committee's Minute GLASGOW 2 - OCT 1928
 TRANSMIT TO LONDON
[Signature]

see minute on Sld. Rpt 29900
 attached
 Lloyd's Register
 Foundation

W 202-0057