

REPORT ON BOILERS.

No. 59825

Date of writing Report 19 When handed in at Local Office 31:5:38 Port of Glasgow 19-8-38
 No. in Survey held at Annan Date, First Survey Last Survey 23-5-1938
 Reg. Book. on the steel NON-propelling oil carrying barge "ORDOLINA" (Number of Visits) Gross Tons Net
 Master Built at Glasgow By whom built Blythwood SBCs (No 56) When built 1938
 Boilers made at Annan By whom made Buchanan & Co Annan L.N. 13741 When made 1938
 Owners Port belonging to Rio de Janeiro

VERTICAL DONKEY BOILER— No. one Description boiler Manufacturers of steel steel b. of Scotland
 Made at By whom made When made Where fixed Working pressure 100
 tested by hydraulic pressure to 200 Date of test 23-5-38 No. of Certificate 20196 Fire grate area 7.50 Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 1.76 Pressure to which they are adjusted 100 lb If fitted with easing gear yes If steam from main boilers can enter the donkey boiler — Diameter of donkey boiler 3'-9" Length 8'-6" Material of shell plates S Thickness 13/32 - 3/8"
 Range of tensile strength 28-32 Description of riveting long seams DR lap Diameter of rivet holes 3/32" Whether punched or drilled Pitch of rivets 2-36" 2-23 2-23 Lap of plating 3 3/4 Per centage of strength of joint Rivets 7532 Plates 6776 Working pressure of shell by rules 145 Thickness of shell crown plates 1/2" Radius of do. 3'-2" No. of stays to do. none Diameter of stays — Diameter of furnace—Top 3'-1" Bottom 3'-3 1/8" Length of furnace 18" Thickness of furnace side plates 1/2" Description of joint Electric weld Working pressure of furnace by rules 119 Thickness of Ogee ring — Working pressure of Ogee ring by rules — Thickness of furnace crown plates 1/2" Radius of do. 23" Stayed by hemisphere Diameter of uptake 8 1/2 x 13 3/4" Thickness of uptake plates 1/2" Thickness of tube plates front 11/16" back 17/32" Mean pitch of stay tubes in nest 8.844" Pitch in outer vertical rows 7 1/8"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/16" Working pressure of tube plates by rules 111.6 front 124.2 back Tubes: Material Iron
 External diameter stay 2 1/2" plain 2 1/2" Thickness stay 11/32" plain 11/32" No. of threads per inch 9 Pitch of tubes 3 9/16 x 3 1/2"
 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 @ 2 3/32 Outer row pitch at ends 4 3/8"

FOR COCHRAN & CO., ANNAN, LTD.
 The foregoing is a correct description,
 J. A. R. WORKS MANUFACTURER.

Drawing No. 23733

Dates of Survey while building { During progress of work in shops - - }
 { During erection on board vessel - - }
 Total No. of visits minimum four visits.

Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The materials and workmanship are good.
 The boiler has been constructed under special survey.
 To the order of Messrs Blythwood SBCs Ltd Glasgow.

Glasgow 20-8-38 The boiler has been satisfactorily fitted in the vessel fitted for burning oil fuel and its safety valves adjusted under steam.

GLASGOW REPORT No.

See Gls. rpt. 60130

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 31 MAY 1938

Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register

010943-010952-0241