

REPORT ON BOILERS.

No. 59825

Date of writing Report 19... When handed in at Local Office 31:5:38 Received at London Office JUN -1 1938
 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 Tons
 Master Built at Glasgow By whom built Blythswood SBCs (No 56) When built 1938
 Boilers made at Annan By whom made Cochran & 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 by 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 $\frac{13}{32}$ " $\frac{3}{8}$ "
 Range of tensile strength 28-32 Description of riveting long seams *DR lap* Diameter of rivet holes $\frac{23}{32}$ " Whether punched or drilled Pitch of rivets 2-36" 2-28" 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'-3/8" 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 1/2" Working pressure of tube plates by rules 111.6 front 124.2 back Tubes: Material *Iron*
 External diameter stay 2 1/2" plain 2 1/4" 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 @ 23/32" Outer row pitch at ends 4 3/8"

FOR COCHRAN & CO., ANNAN, LTD.
 The foregoing is a correct description,
W. J. W.
 W. J. W. 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 }
 Surveyor on regular attendance 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 Blythswood SBCo. 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*

W. J. W.

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

MONTHLY ACCOUNT

W. J. W.
 Engineer Surveyor to Lloyd's Register of Shipping.

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 Lloyd's Register
 010943-010952-0241

Committee's Minute **GLASGOW 31 MAY 1938**
 Assigned **TRANSMIT TO LONDON**

Is a Report also sent on the Hull of the Ship? If not, state whether, and when, one will be sent?
 Certificate (if required) to be sent to
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)
 [Im. 11.28—Copyable Ink.]