

REPORT ON BOILERS

No. 7324

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Received at London Office

Writing Report 2-12-1927 When handed in at Local Office 3-12-1927 Port of Glasgow

Survey held at Renfrew Date, First Survey 18-1-27 Last Survey 1-12-1927

on the Bucket Dredger "Lady Corrie" (Number of Visits 37) Gross 509 Tons Net 211

Renfrew By whom built Lobnitz & Co. L^d. Yard No. 929 When built 1927

Renfrew By whom made Lobnitz & Co. L^d. Engine No. 929 When made 1927

Annan By whom made Cochran & Co. L^d. Boiler No. 10322 When made 1927

Brown Agents for the Colonies Port belonging to Lagos

VERTICAL DONKEY BOILER.

at Annan By whom made Cochran & Co. L^d. Boiler No. 10322 When made 1927 Where fixed S'hold

Manufacturers of Steel See S's Report N^o 46659.

Heating Surface of Boiler Is forced draught fitted Coal or Oil fired Coal

Description of Boilers One - Vertical Working pressure 100

Tested by hydraulic pressure to Date of test No. of Certificate

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler double - Spring loaded

Area of each set of valves per boiler per rule as fitted 3.534 Pressure to which they are adjusted 105 Are they fitted with easing gear yes

Whether steam from main boilers can enter the donkey boiler no Smallest distance between boiler or uptake and bunkers

Manufacture of shell plates: Material Tensile strength Thickness

Is the base of the boiler insulated Largest internal dia. of boiler Height

Is oil fuel carried in the double bottom under boiler Smallest distance between base of boiler and tank top plating

Whether the shell plates welded or flanged Description of riveting: circ. seams { end... long. seams {

Area of rivet holes in { circ. seams... Pitch of rivets { Percentage of strength of circ. seams { plate... rivets... of Longitudinal joint { plate... rivets... combined... }

Working pressure of shell by rules Thickness of butt straps { outer... inner... }

Crown: Whether complete hemisphere, dished partial spherical, or flat Material

Shell strength Thickness Radius Working pressure by rules

Description of Furnace: Plain, spherical, or dished crown Material Tensile strength

Thickness External diameter { top... bottom... } Length as per rule Working pressure by rules

Number of support stays circumferentially and vertically Are stays fitted with nuts or riveted over

Number of stays over thread Radius of spherical or dished furnace crown Working pressure by rule

Thickness of Ogee Ring Diameter as per rule { D... d... } Working pressure by rule

Combustion Chamber: Material Tensile strength Thickness of top plate

Radius if dished Working pressure by rule Thickness of back plate Diameter if circular

Length as per rule Pitch of stays Are stays fitted with nuts or riveted over

Number of stays over thread Working pressure of back plate by rules

Stays Plates: Material { front... back... } Tensile strength { Thickness { Mean pitch of stay tubes in nests

Comprising shell, Dia. as per rule { front... back... } Pitch in outer vertical rows { Dia. of tube holes FRONT { stay... plain... BACK { stay... plain... }

Does each alternate tube in outer vertical rows a stay tube Working pressure by rules { front... back... }

Stays to combustion chamber tops: Material Tensile strength

Thickness and thickness of girder at centre Length as per rule

Distance apart No. and pitch of stays in each Working pressure by rule



