

REPORT ON BOILERS.

20.25

Received at London Office 18 DEC 1941

Date of writing Report 10 When handed in at Local Office 15.12.1941 Port of Aberdeen

No. in Reg. Book. Survey held at Aberdeen Date, First Survey 5th Nov., 1941 Last Survey 10th Dec 1941

on the H.M.S. "LOOSESTRIFE" (Number of Visits 6) Tons { Gross 813.22 Net 304.14

Master Built at Aberdeen By whom built Hall Russell & Co. Ltd Yard No. 461 When built 1941

Engines made at Aberdeen By whom made Hall Russell Engine No. 461 When made 1941

Boilers made at Glasgow By whom made Barclay Curle & Co. Ltd Boiler No. 39/28 When made 1941

Nominal Horse Power Owners The Admiralty Port belonging to London

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY, OR DONKEY.~~

Manufacturers of Steel (Letter for Record S)

Total Heating Surface of Boilers Is forced draught fitted Yes Coal or Oil fired Oil

No. and Description of Boilers Two single ended. Working Pressure 225 lbs^{sq}

Tested by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler 2 Direct Spring loaded.

Area of each set of valves per boiler { per Rule as fitted } Pressure to which they are adjusted 225 lbs^{sq} Are they fitted with easing gear Yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork 13" Is oil fuel carried in the double bottom under boilers No

Smallest distance between shell of boiler and tank top plating No tank Is the bottom of the boiler insulated Yes

Largest internal dia. of boilers Length Shell plates: Material Tensile strength

Thickness Are the shell plates welded or flanged Description of riveting: circ. seams { outer inter. } long. seams Diameter of rivet holes in { circ. seams long. seams } Pitch of rivets { } Percentage of strength of circ. end seams { plate rivets } Percentage of strength of circ. intermediate seam { plate rivets } Percentage of strength of longitudinal joint { plate rivets combined } Working pressure of shell by Rules

Thickness of butt straps { outer inner } No. and Description of Furnaces in each Boiler

Material Tensile strength Smallest outside diameter

Length of plain part { top bottom } Thickness of plates { crown bottom } Description of longitudinal joint

Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules

End plates in steam space: Material Tensile strength Thickness Pitch of stays

How are stays secured Working pressure by Rules

Tube plates: Material { front back } Tensile strength Thickness { } Mean pitch of stay tubes in nests Pitch across wide water spaces Working pressure { front back }

Girders to combustion chamber tops: Material Tensile strength Depth and thickness of girder at centre Length as per Rule Distance apart No. and pitch of stays in each Working pressure by Rules

Combustion chamber plates: Material Tensile strength Thickness: Sides Back Top Bottom

Pitch of stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over

Working pressure by Rules Front plate at bottom: Material Tensile strength Thickness Lower back plate: Material Tensile strength Thickness

Pitch of stays at wide water space Are stays fitted with nuts or riveted over

Working Pressure Main stays: Material Tensile strength

Diameter { At body of stay, or Over threads } No. of threads per inch Area supported by each stay

Working pressure by Rules Screw stays: Material Tensile strength

Diameter { At turned off part, or Over threads } No. of threads per inch Area supported by each stay

