

REPORT ON BOILERS.

Std. No. 33490

Std. No. 65566

Received at London Office 3 JUN 1942

Date of writing Report 19... When handed in at Local Office 1/6/42 19... Port of Glasgow
 No. in Survey held at Annan Date, First Survey 27/2/42 Last Survey 27-5-1942
 Reg. Book. on the FIREDOG (Number of Visits 6) (Gross 1557 Tons) (Net 879)
 Built at Sunderland By whom built S.P. Austin & Son Ltd Yard No. 364 When built 1942
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd Boiler No. 15283 When made 1942
 Owners Gas Light & Coke Co. Ltd Port belonging to London

VERTICAL DONKEY BOILER— No. one Description Cochran Manufacturers of steel Cochran & Co. Ltd.
 Made at Annan By whom made Cochran & Co. Annan Ltd When made 1942 Where fixed stockhold Working pressure 105
 tested by hydraulic pressure to 208 Date of test 27-5-42 No. of Certificate 21070 Fire grate area 140" Description of safety valves 2 direct spring
 No. of safety valves Area of each Pressure to which they are adjusted 105 lbs If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler no Diameter of donkey boiler 5'3" Length 11'9" Material of shell plates S Thickness 13/32" 1/2"
 Range of tensile strength 28-32 tons Description of riveting long. seams DR Lap Diameter of rivet holes 25/82" Whether punched or
 drilled drilled Pitch of rivets 2.59" 2.98" 2.675" Lap of plating 37/8" Per centage of strength of joint Rivets 72.5 Plates 69.8 Working pressure of shell by
 rules 117 Thickness of shell crown plates 3/8" 1/16" Radius of do. 2-7 1/2" No. of stays to do. Diameter of stays Diameter of
 furnace—Top Bottom 4-6" Length of furnace Thickness of furnace side plates 1/2" Description of joint beamline Working
 pressure of furnace by rules 153 Thickness of Ogee ring 1/16" Working pressure of Ogee ring by rules 108.9 Thickness of furnace
 crown plates 1/2" Radius of do. 2-3" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake
 plates 9/16" Thickness of tube plates front 1/16" back 9/16" Mean pitch of stay tubes in nest 9.53" 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 F105.8110 Tubes: Material S
 External diameter stay 2 1/2" Thickness stay 2 1/2" No. of threads per inch 9 Pitch of tubes 4" x 3 1/16"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 21" x 17" Section of compensating
 ring 7" x 1" No. of rivets and diameter of rivet holes 40 @ 25/32" Outer row pitch at ends 4.17"

The foregoing is a correct description,

FOR COCHRAN & CO., ANNAN, LTD.

Dates of Survey while building { During progress of work in shops - 1942 July 27 Mar: 12 Apr: 21-28 May 21-27
 { During erection on board vessel - -
 Total No. of visits 6 Drawing No. 27809
 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.
 It will be sent to Sunderland to be fitted in the vessel.

This boiler has been efficiently fitted on board.

L.R. Home
15.9.42.

Survey Fee ... £ 4 : 4 : } When applied for 16th of 19...
 Travelling Expenses (if any) £ : : } When received 19...

Committee's Minute GLASGOW 2 JUN 1942
 Assigned referred for completion

FRI. 9 OCT. 1942

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