

RECEIVED

REPORT ON BOILERS.

No. 71787

JUN 1947

Received at London Office JUN 1947

Date of writing Report 31. 5. 1947 When handed in at Local Office 31. 5. 1947 Port of GLASGOW.
 No. in Survey held at ANNAN. Date, First Survey 10. 1. 47 Last Survey 22. 5. 1947
 Reg. Book on the INTERPRETER. (Number of Visits 11) Tons Gross 6815 Net 4027
 Yard No. 747 Built at SUNDERLAND By whom built WM. DOX FORD & SONS LTD. When built 1947.
 Boilers made at ANNAN By whom made COCHRAN & CO. ANNAN LTD. Boiler No. 16976 When made 1947.
 Owners T. & J. Harrison & Co. Ltd. Port belonging to Liverpool.

VERTICAL DONKEY BOILER— No. One Description Cochran Composite Manufacturers of steel Colvilles, Ltd.
 Made at Annan By whom made Cochran & Co. Annan, Ltd. When made 1947 Where fixed New Working pressure 100 lbs/sq.in.
 tested by hydraulic pressure to 200 lbs/sq.in. Date of test 22.5.47 No. of Certificate 22439 Fire grate area 0.F. Description of safety valves Double Spring
 No. of safety valves 2 Area of each 4.9 sq.ins. Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler
 Diameter of donkey boiler 7'-6" Length 17'-9" Material of shell plates Steel Thickness 17/32" & 23/32"
 Range of tensile strength 28/32 tons Description of riveting long. seams D.R. LAP Diameter of rivet holes 29/32" Whether punched or drilled drilled Pitch of rivets 2.83", 2.92" & 2.87" Lap of plating 4 1/2" Per centage of strength of joint 69.0 Working pressure of shell by rules 113.4 lbs/sq.in. Thickness of shell crown plates 15/16" Radius of do. 3'-9" No. of stays to do. none Diameter of stays - Diameter of furnace—Top - Bottom 6'-6" Length of furnace - Thickness of furnace side plates 9/16" Description of joint seamless Working pressure of furnace by rules 119.9 lbs/sq.in. Thickness of Ogee ring 15/16" Working pressure of Ogee ring by rules 109.1 lbs/sq.in. Thickness of furnace crown plates 9/16" Radius of do. 3'-3" Stayed by hemisphere Diameter of uptake 20" x 23.1/2" Thickness of uptake plates 9/16" Thickness of tube plates 15/16" Mean pitch of stay tubes in nest 0.F. 10.97" Pitch in outer vertical rows 0.F. 6.25"
 Diameter of tube holes FRONT 1 1/2" BACK 1 1/2" Working pressure of tube plates by rules B.Ex.G. 160.9 Tubes: Material Steel
 External diameter 1 1/2" Thickness 11/32" No. of threads per inch 9 Pitch of Tubes 2 7/8" x 2 5/8" : 3 1/8" x 3.128"
 Working pressure by rules 215 lbs/sq.in. Manhole compensation; Size of opening in shell plate 17 x 21 Section of compensating ring 7 1/2" x 1" No. of rivets and diameter of rivet holes 40 @ 29/32" Outer row pitch at ends 4.125"

The foregoing is a correct description,

FOR COCHRAN & CO. ANNAN, LTD.

Dates of Survey while building { During progress of work in shops 1947 Jan 10. 17. 24 Feb 7. 14. 28 Mar 9. 14. 27 Apr 3. 11. 15 May 8. 15. 22
 During erection on board vessel - - -
 Total No. of Visits 15 Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 Heating surface oil fired, 510 sq.ft. Exhaust Gas 400 sq.ft. Total H.S. 910 sq.ft.
 This boiler has been despatched to Sunderland for installation.
 The boiler has been constructed under Special Survey and in accordance with the approved plan.
 The materials and workmanship are good.

This boiler has been securely fixed on board the vessel & Safety Valves adjusted to working pressure as above.
 In recommendation please see Machinery Rpt.

T. J. Harrison.

Survey Fee ... £ 7 : 10 : - When applied for Monthly
 Travelling Expenses (if any) £ : : When received 19

Committee's Minute GLASGOW

Assigned Deferred for completion

Engineer Surveyor to Lloyd's Register of Shipping.

WED 30 JUN 1947

Lloyd's Register Foundation

015183-015187-0161