

REPORT ON BOILERS.

No. 71206

3 NOV 1946

Date of writing Report 6. 11. 46 When handed in at Local Office 6. 11. 46 Port of GLASGOW
 No. in Survey held at ANNAN Date, First Survey 24. 5. 46 Last Survey 24. 10. 1946
 Reg. Book "PELAYO" (Number of Visits 17) Gross 2578.71
 on the "PELAYO" Tons Net 1001.96
 Yard No. 744 Built at Sunderland By whom built WM. DOXFORD & SONS LTD. When built 1944
 Boilers made at ANNAN By whom made COCHRAN & CO. ANNAN BOILER NO. 16892 When made 1946
 Owners MacAndrews & Co. Ltd. Port belonging to London

VERTICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel Colvilles Limited
 Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1946 Where fixed U.E.R. Working pressure 105 lbs/sq. in.
 tested by hydraulic pressure to 208 lbs/sq. in. Date of test 24. 10. 46 No. of Certificate 22279 Fire grate area OF Description of safety valves Double Spring
 No. of safety valves 2 Area of each 3.14 sq. in. Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler Yes
 Diameter of donkey boiler 5'-6" Length 11'-3" Material of shell plates S Thickness 1/2" & 7/16"
 Range of tensile strength 2832 tons Description of riveting long. seams D.R. Lap Diameter of rivet holes 25/32" Whether punched or drilled drilled Pitch of rivets 2.71", 2.55" & 2.51" Lap of plating 3/8" Percentage of strength of joint 66.1 Working pressure of shell by rules 116.1 lbs/sq. in. Thickness of shell crown plates 5/8" Radius of do. 5'-0" No. of stays to do. none Diameter of stays - Diameter of furnace—Top - Bottom 4'-9" Length of furnace - Thickness of furnace side plates 1/2" Description of joint seamless Working pressure of furnace by rules 114.7 lbs/sq. in. Thickness of Ogee ring 23/32" Working pressure of Ogee ring by rules 114.1 lbs/sq. in. Thickness of furnace crown plates 1/2" Radius of do. 2'-4 1/2" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 9/16" Thickness of tube plates 19/32" Mean pitch of stay tubes in nest 10.57 Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT 2.11/16" BACK 2.9/16" Working pressure of tube plates by rules F. 109.5 lbs/sq. in. B. 111.5 lbs/sq. in. Tubes: Material Steel
 External diameter 2 1/2" Thickness 11/32" No. of threads per inch 9 Pitch of Tubes 4" x 3 1/2"
 Working pressure by rules 175 lbs/sq. in. Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 3/4" x 5.3/4" No. of rivets and diameter of rivet holes 32 @ 25/32" Outer raw pitch at ends 4.3"

The foregoing is a correct description,

FOR COCHRAN & CO. ANNAN, LTD.

Dates of Survey while building { During progress of work in shops - 1946 May 24 30 Jun 6 13 27 Jul 5 12 Aug 2 14 30 Sep 6 12 17 Oct 4 11 16 24
 During erection on board vessel - -
 Total No. of Visits 17 Drawing No. 31536
 Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The boiler has been constructed under Special Survey and in accordance with the approved plan, and the materials and workmanship are good. The boiler has been sent to Sunderland for installation.

This boiler has been securely fixed on board the vessel & safety valves adjusted to working pressure in accordance with rule requirements.

In recommendation please see Machinery Rpt.

D. T. Krasov.

Survey Fee £ 36 : 0 : 0 When applied for Non a/c
 Travelling Expenses (Many) £ When received 19

Committee's Minute GLASGOW 12 NOV 1946

Assigned Referred for completion

Engineer Surveyor to Lloyd's Register of Shipping.

21 NOV 1946
 See F.E. Machinery Rpt. 1.