

Rpt. 5e.  
RECEIVED  
MAY 1944

# REPORT ON BOILERS.

Ser. No. 34096  
Ser. No. 68450

Received at London Office

Date of writing Report 19 9 5 19 44 Port of GLASGOW

No. in Survey held at ANNAN Date, First Survey 24 12 43 Last Survey 5.5. 19 44  
 Reg. Book. "REGISTAN" (Number of Visits 12) Gross 7368  
 On the Curlew W. Boyd & Sons Ltd Tons 720 Net 5039  
 Built at Burntisland By whom built Burntisland S.S. Co. Ltd. Yard No. 230 719 When built  
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd. Boiler No. 15917 When made 1944  
 Owners J.C. Stuck Ltd Port belonging to London

**VERTICAL DONKEY BOILER**— No. One Description Composite Manufacturers of steel Colvilles Ltd.  
 Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1944 Where fixed Upper boiler Working pressure 120 lbs.  
 tested by hydraulic pressure to 230 Date of test 5.5.44 No. of Certificate 21723 Fire grate area or oil Exhaust gas ordinary  
 No. of safety valves 2 Area of each 7.06 Pressure to which they are adjusted 120 If fitted with easing gear yes If steam from main boilers can  
 enter the donkey boiler - Diameter of donkey boiler 8'0" Length 17'9" Material of shell plates S Thickness 13/16" 21/32"  
 Range of tensile strength 28-32 Description of riveting long. seams D.R. LAP Diameter of rivet holes 1 1/32" Whether punched or  
 drilled drilled Pitch of rivets 3.15" 1.13" 3 1/8" Lap of plating 5" Per centage of strength of joint 66.2 53.9  
 rules 126 Thickness of shell crown plates 19" 1 1/32" Radius of do. 4'0" No. of stays to do. 66.8 67.5 Working pressure of shell by  
 furnace—Top Bottom 7'0" Length of furnace Thickness of furnace side plates 23/32" Description of joint Seamless Working  
 pressure of furnace by rules 144 Thickness of Ogee ring 1 1/32" Working pressure of Ogee ring by rules 124 Thickness of furnace  
 crown plates 23/32" Radius of do. 3'6" Stayed by Hemisphere Diameter of uptake 20" x 23 1/2" Thickness of uptake  
 plates 5/8" Thickness of tube plates front 1 1/4" Mean pitch of stay tubes in nest 8.72" 8.36" Pitch in outer vertical rows 5 1/4" x 6.37"  
 Diameter of tube holes FRONT 2 3/16" 1 11/16" BACK 2" 1 1/2" Working pressure of tube plates by rules F.127-125 B.201-161 Tubes: Material S  
 External diameter stay 2" 1 1/2" plain 2" 1 1/2" Thickness stay 11/32" plain 10 L.S.G. No. of threads per inch 9 Pitch of tubes 2 5/8" x 2 11/16" x 3.187" x 3.13"  
 Working pressure by rules 215 Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating  
 ring 7 1/2" x 1 1/32" No. of rivets and diameter of rivet holes 40 @ 1 1/32" Outer row pitch at ends 4.03

The foregoing is a correct description,

Tarix Manufacturer  
FOR COCHRAN & CO., ANNAN, LTD.

Dates of Survey while building: During progress of work in shops - 1943 Dec 24 31 1944 Jan 28 Feb 11 25 Mar 8 22 30 Apr 10 24 30 May 5 Drawing No. 28662  
 During erection on board vessel - 12  
 Total No. of visits 12 Is the approved plan of boiler forwarded herewith No.  
 Retained for duplicate cases

## 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.  
 The Boiler will be sent to Burntisland to be fitted on board the vessel.  
Curlew

Heating Surface - Oil Fired 538 sq. ft. Exhaust gas nest - 515 sq. ft. Total 1053 sq. ft.

This boiler has been securely fixed on board the vessel & safety valves adjusted to working pressure as above. In recommendations please see machinery Rpt.  
W. T. Brown

Survey Fee ... £ 5 : 14 : } When applied for ... 19  
 Travelling Expenses (if any) £ : : } When received ... 19

L. C. Davis

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 16 MAY 1944

Assigned deputed for Completion

THURS 21 DEC 1944

See See Ser. No. 34096

Lloyd's Register Foundation

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