

# REPORT ON BOILERS.

 Std. No. 31271  
 Gl. No. 53652

31 AUG 1933

Date of writing Report 19... When handed in at Local Office 5. 7. 1933 Port of Glasgow.  
 No. in Survey held at Annan Date, First Survey 28. 4. 33 Last Survey 28. 6. 1933  
 Reg. Book. on the BOILER No 12498 S.S. "CORHAVEN" (Number of Visits 5) Tons { Gross 991 Net 532.  
 Master Built at Sunderland By whom built Messrs S. P. Austin Ltd When built 1933  
 Boilers made at Annan By whom made Port belonging to London.  
 Owners Wm. Berry & Son Ltd

VERTICAL DONKEY BOILER— No. One Description Cochran Vertical Manufacturers of steel Steel Co of Scotland  
 Made at Annan By whom made Cochran & Co Ltd When made 1933 Where fixed Working pressure 100  
 tested by hydraulic pressure to 200 Date of test 28/6/33 No. of Certificate 19244 Fire grate area 16.75 Description of safety valves inclined spring  
 No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No.  
 Diameter of donkey boiler 5' 6" Length 12' 3" Material of shell plates Steel Thickness 7/16 & 1/2"  
 Range of tensile strength 28 to 32 Description of riveting long. seams D.P.L. Diameter of rivet holes 25/32" Whether punched or drilled Hulled Pitch of rivets 2.69 2.53 2.5 Lap of plating 3 7/8 Per centage of strength of joint Rivets 86.8 Plates 86.8 Working pressure of shell by rules 117 lbs Thickness of shell crown plates 3/32 1/8" Radius of do. 2' 9" No. of stays to do. 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 144 lbs Thickness of Ogee ring 1/8" Working pressure of Ogee ring by rules 144 lbs Thickness of furnace crown plates 1/2" Radius of do. 2' 4 1/2" Stayed by Hemispherical Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates front 3/32" back 1/32" Mean pitch of stay tubes in nest 10.5" Pitch in outer vertical rows 8"  
 Diameter of tube holes FRONT stay 2 1/8" plain 2 1/8" BACK stay 2 1/8" plain 2 1/8" Working pressure of tube plates by rules 204.311 Tubes: Material IRON.  
 External diameter stay 2 1/2" plain 2 1/2" Thickness stay 3/32" plain 1/32" No. of threads per inch 9 Pitch of tubes 4 x 3 1/2"  
 Working pressure by rules 125-1850 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 6" x 1/8" No. of rivets and diameter of rivet holes 36 @ 3/32" Outer row pitch at ends (3 1/2") 3 1/2"

 FOR COCHRAN & CO., ANNAN, LTD.  
 The foregoing is a correct description.

 R. R. Ex. Manufacturer.  
 GENERAL WORKS MANAGER.

Dates of Survey while building { During progress of work in shops— 1933 Apr.: 28 May 26 June: 1. 6. 28  
 { During erection on board vessel —  
 Total No. of visits 5  
 Drawing No. 19217  
 Is the approved plan of boiler forwarded herewith Yes.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The materials & workmanship are good. The boiler has been constructed under special supervision in accordance with the Rules. It is intended for a vessel built by Messrs S. P. Austin & Co Ltd Sunderland.

Now Secured on board the vessel, & examined under steam & safety valves adjusted to working pressure  
 Washers: 1/4" Std. 4/32" Dist. Kaser.

Survey Fee ... £ 4-4-0  
 Travelling Expenses (if any) £ : :

When applied for 19...  
 When received 19...

MONTHLY ACCOUNT

Committee's Minute GLASGOW 11 JUL 1933 TUE 5 SEP 1933  
 Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

1810-4123