

8073

Sld. No. 31083

REPORT ON BOILERS.

Gls. No. 52783

10 AUG 1932

Received at London Office

Date of writing Report 10 When handed in at Local Office 6. 8. 10. 32 Port of Glasgow Sld. 31st Oct. 1932

No. in Survey held at Annan Date, First Survey Mar. 16th Last Survey 5-8- 1932

Reg. Book. on the BOILER No 12229 (Number of Visits) Gross 1314 Tons Net 731

Master Built at Sunderland By whom built S.P. Austin & Son When built 1932

Boilers made at Annan By whom made Cochran & Co Annan Ltd When made 1932

Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Cochran Vertical Manufacturers of steel Steel Company of Scotland

Made at Annan By whom made Cochran & Co Annan Ltd When made 1932 Where fixed Working pressure 100

tested by hydraulic pressure to 200 Date of test 5-8-32 No. of Certificate 19157 Fire grate area 16.75 Description of safety valves enclused spring

No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 105 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 28.32 Description of riveting long. seams WR Lap Diameter of rivet holes 29/32" Whether punched or drilled drilled Pitch of rivets 2.69. 2.55. 2.5 Lap of plating 3 7/8" Per centage of strength of joint Rivets 66.6 Plates 68.6 Working pressure of shell by rules 117 Thickness of shell crown plates 13/32 & 1/2" 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 Thickness of Ogee ring 1/16" Working pressure of Ogee ring by rules 104 Thickness of furnace crown plates 1/2" Radius of do. 2'-4 1/2" Stayed by hemispher Diameter of uptake 13x19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates front 29/32" back 19/32" Mean pitch of stay tubes in nest 10.5" Pitch in outer vertical rows 8"

Diameter of tube holes FRONT stay 2 7/16" BACK stay 2 3/8" Working pressure of tube plates by rules F1040111 Tubes: Material Iron

External diameter stay 2 3/8" plain 2 9/16" Thickness stay 11/32" plain 11/32" No. of threads per inch 9 Pitch of tubes 4x3 1/2"

Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 12x16" Section of compensating ring 6x7 1/2" No. of rivets and diameter of rivet holes 36 @ 25/32" Outer row pitch at ends 3 7/8" 3 1/16"

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

R. Rex Manufacturer. GENERAL WORKS MANAGER

Dates of Survey while building

During progress of work in shops - -	1932. Mar. 16. 23. Apr. 8. 25. May. 2. 31. June 21/ Aug 5	Drawing No. <u>19217</u>
	July 8. 15	
During erection on board vessel - -		
Total No. of visits	<u>10</u>	

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 in accordance with the Rules.

It is intended for a vessel building by Messrs. S.P. Austin & Son of Sunderland for Messrs. Stevenson & Clarke.

Survey Fee £ 4 : 4 : } When applied for 19.....

Travelling Expenses (if any) £ : : } When received 19.....

MONTHLY ACCOUNT

A Campbell
S. Davis
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 8 - AUG 1932

Assigned TRANSMIT TO LONDON

FRI. 11 NOV 1932

Lloyd's Register of Shipping Foundation

002790-002797-0183