

REPORT ON BOILERS.

Sld. No. 31083

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
 No. in Survey held at Annan Date, First Survey Mar. 16. Last Survey 5-8-1932
 Reg. Book. on the BOILER No. 12229 (Number of Visits) Gross 1314 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 enclosed 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 Wre Lap Diameter of rivet holes 29/32 Whether punched or
 drilled drilled Pitch of rivets 2-6 1/2, 2-5 1/2, 2-5 Lap of plating 3 1/8 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 Hemisphere Diameter of uptake 13" x 19 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 1/4 plain 2 9/16 BACK stay 2 3/4 plain 2 1/2 Working pressure of tube plates by rules F104 6111 Tubes: Material Iron
 External diameter stay 2 1/2 plain 2 3/4 Thickness stay 1 1/2 plain 1 1/4 No. of threads per inch 9 Pitch of tubes 4" x 3 1/2"
 Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 12" x 16" Section of compensating
 ring 6" x 7 1/2" No. of rivets and diameter of rivet holes 36 @ 25/32 Outer row pitch at ends 37 1/8" 3 1/16"

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

E. 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 July 8. 15
 { During erection on board vessel - - -
 Total No. of visits 10 Drawing No. 19217
 Is the approved plan of boiler forwarded herewith a copy of 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 :
 Travelling Expenses (if any) £ : :

When applied for 19
 When received 19

MONTHLY ACCOUNT

A. Campbell
 S. Davis

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 11 NOV 1932

Committee's Minute GLASGOW 8 - AUG 1932

Assigned TRANSMIT TO LONDON

Lloyd's Register
 Foundation

002790-002797-0183