

## REPORT ON BOILERS.

No. 48791

Received at London Office 3 JAN 1929

Date of writing Report 19 When handed in at Local Office 19-1-29 Port of Glasgow  
 No. in Reg. Book 15-1-29 Date, First Survey 6-11-28 Last Survey Glasgow 15-1-29  
 on the BOILER No. 11095 (Number of Visits) Gross Tons Net Tons  
 Master Built at Annan By whom built Messrs Cochran & Co. Annan Ltd When built 1929  
 Boilers made at Annan By whom made Messrs Cochran & Co. Annan Ltd When made 1929  
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. 11095 Description Vertical Manufacturers of steel D. C. Shill & Sons.  
 Made at Annan By whom made Cochran & Co Annan When made 1929 Where fixed Working pressure 125 lb.  
 tested by hydraulic pressure to 238 lb Date of test 15-1-29 No. of Certificate 18164 Fire grate area 18.7 Description of safety valves Indirect spring.  
 No. of safety valves 2 Area of each 3.14 sq ft Pressure to which they are adjusted If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Diameter of donkey boiler 6'-0" Length 15'-9" Material of shell plates Steel Thickness 1/32, 5/8, 1/32  
 Range of tensile strength 28-32 Description of riveting long. seams D. R. Lap Diameter of rivet holes 29/32 Whether punched or drilled drilled Pitch of rivets 2.766, 2.843, 2.844 Lap of plating 4 1/2 Per centage of strength of joint Rivets 70.0 Working pressure of shell by plates 67.1  
 rules 134.8 lb Thickness of shell crown plates 3/32 + 1/2 Radius of do. 3'-0" No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom 5'-0" Length of furnace 3'-6 1/2 Thickness of furnace side plates Description of joint Working pressure of furnace by rules 146.9 lb Thickness of Ogee ring 29/32 Working pressure of Ogee ring by rules 126.8 lb Thickness of furnace crown plates 17/32 Radius of do. 2'-6" Stayed by Hemisphere Diameter of uptake 15" x 18" Thickness of uptake plates 9/16 Thickness of tube plates front 1/16 back 27/32 Mean pitch of stay tubes in nest 10.97 Pitch in outer vertical rows 7 1/2  
 Diameter of tube holes FRONT stay 2 1/16 BACK stay 2 1/2 Working pressure of tube plates by rules 127.9 lb Tubes: Material Wrought iron  
 External diameter stay 2 1/2 plain 2 9/16 Thickness stay 1/32 plain 1 1/4 No. of threads per inch 9 Pitch of tubes 3 9/16 x 3 3/4  
 Working pressure by rules 125 lb Manhole compensation: Size of opening in shell plate 12" x 16" Section of compensating ring 6" x 27/32 No. of rivets and diameter of rivet holes 36 of 27/32 Outer row pitch at ends 3 5/8

The foregoing is a correct description.

For COCHRAN &amp; CO., ANNAN, LIMITED

Walter Seathie Manufacturer.

Drawing No. E. 24726

Dates of Survey while building  
 During progress of work in shops 1928 Nov. 6-16-27-30 Dec 5-11-21 (1929) Jan 15  
 During erection on board vessel - - -  
 Total No. of visits 8

Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under survey in accordance with the rules and approved plan  
 The materials and workmanship are good  
 This boiler is to the order Messrs Cammell Laird & Co Ltd, and intended for vessel No. 946

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

When applied for 19  
 When received 19

MONTHLY ACCOUNT

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

Committee's Minute GLASGOW 22 JAN 1929  
 Assigned TRANSMIT TO LONDON

Lloyd's Register  
 002762-002769-0156