

# REPORT ON BOILERS.

No. 48916

Received at London Office 27 FEB 1929  
Date of writing Report 19 When handed in at Local Office 23. 2. 1929 Port of Glasgow  
No. in Survey held at Annan Date, First Survey 23. 1. 29 Last Survey 22nd Feb 1929  
eg. Book. on the BOILER No. 11145 (Number of Visits 4) (Gross Tons) (Net Tons)  
Master Built at By whom built When built  
Boilers made at Annan By whom made Messrs Cochran & Co Annan Ltd When made 1929  
Owners Port belonging to

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel S. Colvill & Sons  
Made at Annan By whom made Cochran & Co Annan When made 1929 Where fixed Working pressure 100 lbs  
Tested by hydraulic pressure to 200 lbs Date of test 22. 2. 29 No. of Certificate 18210 Fire grate area 18.7 sq ft Description of safety valves Enclined Spring  
No. of safety valves 2 Area of each 3.14 sq ft Pressure to which they are adjusted 100 lbs If fitted with easing gear Y/N If steam from main boilers can  
enter the donkey boiler No Diameter of donkey boiler 6'-0" Length 14'-3" Material of shell plates Steel Thickness 7/16", 7/32", 7/16"  
Range of tensile strength 28-32 Description of riveting long. seams D. R. Lap. Diameter of rivet holes 25/32" Whether punched or  
drilled drilled Pitch of rivets 2 3/4", 2.692", 2.625" Lap of plating 3 7/8" Per centage of strength of joint Rivets 65.5% Working pressure of shell by  
rules 105.5 lbs Thickness of shell crown plates 13/16", 13/32" Radius of do. 3'-0" No. of stays to do. Diameter of stays Diameter of  
furnace—Top Bottom 5'-0" Length of furnace 3'-5 3/16" Thickness of furnace side plates Description of joint Working  
pressure of furnace by rules 137.5 lbs Thickness of Ogee ring 13/16" Working pressure of Ogee ring by rules 101.2 lbs Thickness of furnace  
crown plates 1/2" Radius of do. 2'-6" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake  
plates 9/16" Thickness of tube plates front 25/32" back 21/32" Mean pitch of stay tubes in nest 11.34" Pitch in outer vertical rows 8"  
Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F 104.7 lbs Tubes: Material Wrought iron  
external diameter stay 2 1/2" plain 2 9/16" stay 1 1/32" plain 2 1/2" Thickness 11.4 S.G. No. of threads per inch 9 Pitch of tubes 3 9/16" x 4"  
Working pressure by rules 125 lbs Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating  
6" x 1 1/16" No. of rivets and diameter of rivet holes 36 off 25/32" Outer row pitch at ends 3 5/8"

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED Manufacturer.

Drawing No. 16892

Dates During progress of work in shops— 1929 Jan 29 FEB. 5. 12. 22.

Survey while building During erection on board vessel —

Total No. of visits 4

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 Harland & Wolff Ltd, and intended for ship building at Wilton's Engineering & Shipway Co. Schiedam

Survey Fee ... £ 4 - 4 - 0 :

When applied for 19

Travelling Expenses (if any) £ : :

When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 26 FEB 1929

Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

G. E. Murdoch 2020

THE 5 NOV 1929

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No. 18889

204541-004547-0122

Lloyd's Register Foundation