

# REPORT ON BOILERS.

Sld. No. 31287  
Sld. No. 53539

Received at London Office 7 JUN 1933  
3 OCT 1933  
Date of writing Report 19 When handed in at Local Office 1.6.33 Port of Glasgow  
No. in Survey held at Annan Date, First Survey 6.1.33 Last Survey 26/5/1933  
Reg. Book. on the Donkey boiler to be used for S/S Colonel Brompton (Number of Visits 6) Gross 1495 Net 844  
Master Built at By whom built S.P. Austin & Son When built  
Boilers made at Annan By whom made Buchanan & Co Annan Ltd. When made 1933.  
Owners London Power Co Ltd Port belonging to London.

VERTICAL DONKEY BOILER— No. 12435 Description Vertical Shell Manufacturers of steel Stewart & Lorne  
Made at Annan By whom made Buchanan & Co When made 1933 Where fixed Working pressure 100  
Tested by hydraulic pressure to 200 Date of test 26/5/33 No. of Certificate 19234 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 100 If fitted with easing gear Yes If steam from main boilers can  
enter the donkey boiler Diameter of donkey boiler 5'-6" Length 12'-3" Material of shell plates Steel Thickness 7/16" ±  
Range of tensile strength 28-32 Description of riveting long. seams D.R.L Diameter of rivet holes 25/32 Whether punched or  
drilled Pitch of rivets 2.197-2554-25 Lap of plating 3/8 Per centage of strength of joint Rivets 16.8 Working pressure of shell by  
rules 117 Thickness of shell crown plates 4 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 None Working  
pressure of furnace by rules 144.8 Thickness of Ogee ring 4 1/2 Working pressure of Ogee ring by rules 104.45 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 Main pitch of stay tubes in nest 10.375 Pitch in outer vertical rows 8"  
Diameter of tube holes FRONT stay 2 1/8 BACK stay 2 1/2 Working pressure of tube plates by rules 104.3, 111.5 Tubes: Material L.W. IRON.  
External diameter stay 2 1/2 plain 2 1/8 Thickness stay 5/16 plain 1/4 No. of threads per inch 9 Pitch of tubes 4 x 3 1/2  
Working pressure by rules 125-135 Manhole compensation: Size of opening in shell plate 16 x 12 Section of compensating  
ring 6 x 4/8 No. of rivets and diameter of rivet holes 36 @ 25/32 Outer row pitch at ends 3 1/4

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

E. R. Rex. Manufacturer.  
GENERAL WORKS MANAGER.

Dates of Survey while building 1933. Jan 6. Mar 31. Apr 7. 15. 28. May 26.  
During progress of work in shops - -  
During erection on board vessel - -  
Total No. of visits 6.

Drawing No. 12710 No 12435.

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 survey to the order of Messrs S.P. Austin & Co Sunderland for their No 324. The boiler is being sent to Sunderland to be fitted on board.

This boiler has been securely fixed on board the vessel examined under steam & safety valves adjusted to working pressure as above.  
Washers: F 7/32" A 7/32"

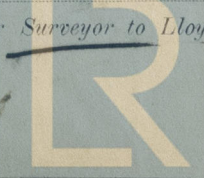
J. H. Hasw.

Survey Fee ... £ 4-4-0  
Travelling Expenses (if any) £ : :  
When applied for 19  
When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 6 JUN 1933 TUE. 10 OCT 1933  
Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation

003024-003037-0037