

REPORT ON BOILERS.

Gls No. 146956

24 AUG 1927

Received at London office 11 OCT 1927

Date of writing Report 19 When handed in at Local Office 20-8-27 Port of Glasgow Sld. 6 Oct 1927
 No. in Survey held at Annan Date, First Survey July 8-12-1927 Last Survey 19 August 1927
 Reg. Book. on the BOILER No. 10292 S.S. "LADY OLGA" (Number of Visits 7) Gross 1266
 Master Built at Sunderland By whom built S. P. Austin Sons Ltd When built 1927
 Boilers made at Annan By whom made Cochran & Co. When made 1927
 Owners Gas Light & Coke Co Port belonging to London.

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel David Colville & Sons, Ltd.
 Made at Annan By whom made Cochran & Co. Annan Ld. When made 1927 Where fixed Theobald Working pressure 100 lbs.
 tested by hydraulic pressure to 200 lbs Date of test 19/8/27 No. of Certificate 17536 Fire grate area 16.75 sq Description of safety valves 2 spring loaded
 No. of safety valves 2 Area of each 3.1416 Pressure to which they are adjusted 105 lbs 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" and 1/2"
 Range of tensile strength 28/22 lbs Description of riveting long. seams double Diameter of rivet holes 25/32" Whether punched or drilled drilled Pitch of rivets 2.5", 2.554", 2.697" Lap of plating 3 7/8" Per centage of strength of joint Rivets 66.6 Working pressure of shell by rules 117 lbs Thickness of shell crown plates 13/32", 1/16" Radius of do. 2'9" No. of stays to do. none Diameter of stays 1/2" Working pressure of furnace by rules 144.8 lbs Thickness of Ogee ring 1/16" Working pressure of Ogee ring by rules 104 lbs Thickness of furnace crown plates 1/2" Radius of do. 2'4 1/2" Stayed by radius Diameter of uptake 18" 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 1/2" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/4" x 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules 197. Front 117 1/2 Tubes: Material iron
 External diameter stay 2 1/2" Thickness stay 1/32" No. of threads per inch 9 Pitch of tubes 3 1/2" x 4"
 Working pressure by rules 125 lbs Manhole compensation; Size of opening in shell plate 12" x 16" Section of compensating ring 6" x 1/16" No. of rivets and diameter of rivet holes 36 of 25/32" Outer row pitch at ends 3 3/4"

The foregoing is a correct description,
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
 Drawing No. 15662.

Dates of Survey while building
 During progress of work in shops - 1927 July 8-12-29 Aug. 2-9-12-19
 During erection on board vessel -
 Total No. of visits 7

copy 9
 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 Special Survey in accordance with the Rules and the approved plan. The workmanship and materials are good.
 It has been forwarded to Sunderland to be fitted in the S/S No. 312 building by Messrs. S. P. Austin & Son.
 This boiler has been satisfactorily fitted in the vessel & the safety valves adjusted under steam to the pressure stated above. For notation see machinery report.

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

MONTHLY ACCOUNT

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

Committee's Minute GLASGOW 23 AUG 1927
 Assigned TRANSMIT TO LONDON

FRI. 14 OCT 1927
 Lloyd's Register Foundation
 Sld Rpt 29528 attached
 003581-003590-0260

If not, state whether, and when, one will be sent