

Rpt. 5e.

REPORT ON BOILERS.

No. 59601

Received at London Office APR 13 1938

Date of writing Report 19 When handed in at Local Office 9. 4. 1938 Port of Glasgow

No. in Survey held at Annan Date, First Survey 30. 12. 37 Last Survey 31. 3. 1938

Reg. Book. on the S.S. "SILVER LAUREL" (Number of Visits 14) Tons { Gross Net

Master Built at Sunderland By whom built J. L. Thompson & Co. N° 588 When built 1938

Boilers made at Annan By whom made Cochran & Co. Annan Ld. Boilers N° 14027-8 When made 1938

Owners Port belonging to

VERTICAL DONKEY BOILER— No. Two Description Cochran Manufacturers of steel Lochilles Ld.

Made at By whom made When made Where fixed Working pressure 125

tested by hydraulic pressure to 238 Date of test 31-3-38 Nos of Certificate 20147-8 Fire grate area Description of safety valves Enclosed spring

No. of safety valves 2 Area of each 7.06 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 8'-6" Length 20'-3" Material of shell plates steel Thickness 23/32" 8 7/8"

Range of tensile strength 28-32 tons Description of riveting long. seams DR Lap Diameter of rivet holes 1 1/8" 1 1/8" Whether punched or drilled Pitch of rivets 3-298-3-346-3-25" Lap of plating 5 3/8" Per centage of strength of joint Rivets 68.9 Plates 65.4 Working pressure of shell by rules 129 Thickness of shell crown plates 1 1/8" 2 1/8" Radius of do. 4'-3" No. of stays to do. — Diameter of stays — Diameter of furnace—Top — Bottom 7'-6" Length of furnace — Thickness of furnace side plates 3/4" Description of joint Seamless Working pressure of furnace by rules 140 Thickness of Ogee ring 1 1/8" Working pressure of Ogee ring by rules 140 Thickness of furnace crown plates 3/4" Radius of do. 3'-9" Stayed by hemisphere Diameter of uptake 24 1/2" x 28" Thickness of uptake plates 5/8" Thickness of tube plates front 1 1/2" back 1 1/2" Mean pitch of stay tubes in nest 10-23" Pitch in outer vertical rows 7 7/8" lane

Diameter of tube holes FRONT stay 2 3/16" BACK stay 1 1/2" Working pressure of tube plates by rules F 155. B 132 Tubes: Material Iron

External diameter stay 2" plain 2" Thickness stay 3/32" plain 11 LSS. No. of threads per inch 9 Pitch of tubes 3 15/16" x 3 5/8"

Working pressure by rules 7 137 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 2'-4" dia x 1 3/32" No. of rivets and diameter of rivet holes 36 @ 1 1/8" Outer row pitch at ends 3-86"

FOR COCHRAN & CO. ANNAN, LTD.
The foregoing is a correct description.
W. T. S.
R. A. R. ex. Manufacturer.

Dates of Survey while building { During progress of work in shops - 1937 Dec. 30 (1938) Jan. 6. 13. 20. 25 Feb. 8. 9. 16. 24 Drawing No. E. 36198
During erection on board vessel - Mar. 3. 11. 16. 24. 31
Total No. of visits 14

Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The materials and workmanship are good.
The boilers have been constructed under Special Survey
To the order of Messrs The Wallsend Shipway & Engineering Co. Ld. (their contract n° 932).

Boilers installed on board & examined under steam.
Safety valves adjusted 125 lbs. sq.

R. A. R. ex.

Survey Fee ... £ 8 : 8 :
Travelling Expenses (if any) £ : :

When applied for 19
When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 12 APR 1938
Assigned TRANSMIT TO LONDON

Sh. Davis
Engineer Surveyor to Lloyd's Register of Shipping.
JUL 21 MAR 1939

Lloyd's Register
Foundation