

REPORT ON BOILERS.

Std. No. 29996
Sls No. 49018
27 APR 1929

Received at London Office
Date of writing Report 19 When handed in at Local Office 26.3.1929 Port of Glasgow.
No. in Survey held at Annan. Date, First Survey Last Survey 28.3.29.
Reg. Book. 34321 on the BOILER No 10901. S.S. "SIR WALTER SCOTT" (Number of Visits) Gross 1465
Master Built at Blyth By whom built Blyth S. B. Co. Ld. Tons Net 886.
Boilers made at Annan. By whom made Messrs Cochran & Co. Annan Ltd. When built 1908. 8th mth.
Owners Westoll Steamships, Ld. (James Westoll, Ld. Mgrs) Port belonging to Sunderland. When made 1929.

VERTICAL DONKEY BOILER— No. One. Description Vertical. Manufacturers of steel S. Colville & Sons Ltd.
Made at Annan. By whom made Cochran & Co. Annan Ltd. When made 1929. Where fixed Sunderland. Working pressure 100 lb. ✓
Tested by hydraulic pressure to 200. Date of test 20.3.29. No. of Certificate 18229. Fire grate area 18.74. Description of safety valves Enclosed spring
No. of safety valves 2 Area of each 3.14" Pressure to which they are adjusted 105 lb. If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No. Diameter of donkey boiler 6'-0". Length 10'-9". Material of shell plates Steel. Thickness 7/16", 1/2", 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 2.634", 2.625", 2.575". Lap of plating 3/8". Per centage of strength of joint Rivets 68.5. Working pressure of shell by rules 69.4.
Thickness of shell crown plates 9/16". Radius of do. 5'-0". No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom 5'-0". Length of furnace 3'-5 1/2". Thickness of furnace side plates Description of joint Working pressure of furnace by rules 134.5 lb. Thickness of Ogee ring 13/16". Working pressure of Ogee ring by rules 101.2 lb. 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 13/16" back 13/16". Mean pitch of stay tubes in nest 14.812" Pitch in outer vertical rows 12".
Diameter of tube holes FRONT stay 4 1/16" BACK stay 4". Working pressure of tube plates by rules B. 124.5 lb. Tubes: Material Wrought iron.
External diameter stay 4". Thickness stay 11/32". No. of threads per inch 9. Pitch of tubes 5 7/8" x 6".
Working pressure by rules STAY TUBES = 169 lbs. Manhole compensation: Size of opening in shell plate 16" x 12". Section of compensating ring 6" x 25/32". 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
J. H. Woodham Manufacturer.

Dates of Survey while building { During progress of work in shops - Surveyor on regular attendance
During erection on board vessel - minimum four visits.
Total No. of visits
Drawing No. 16148.
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 of Messrs. James Westoll Ltd. Sunderland and is intended for a ship building in Messrs. Austin's yard Sunderland.
The Donkey Boiler has been satisfactorily fitted in the S.S. "Sir Walter Scott", and the Safety Valves adjusted under steam to the pressure stated above.

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 26 MAR 1929
Assigned TRANSMIT TO LONDON

John J. McDonald, & A. I. Griffith
Engineer Surveyors to Lloyd's Register of Shipping.

FRI. 19 APR 1929

Lloyd's Register Foundation