

REPORT ON BOILERS.

Sld. No. 32024

Sls No. 57646

11 NOV 1936

Date of writing Report 5-11-36 When handed in at Local Office 7-11-36 Port of Glasgow
 No. in Survey held at Arman Date, First Survey 28-8-36 Last Survey 4-11-36
 Reg. Book. on the Boiler No 13386 8/5 Arthur Wright (Number of Visits 11) Tons { Gross 1091
 Master J.M. Built at Sunderland By whom built W. Dickenson & Son Ltd When built 1936
 Boilers made at The Mayor, Alderman & Burgesses of the By whom made County Borough of Brighton When made
 Owners County Borough of Brighton Port belonging to Shoreham

VERTICAL DONKEY BOILER— No. 1 Description Cochran Manufacturers of steel Botvill
 Made at Arman By whom made Cochran & Co. Arman When made 1936 Where fixed Port side Bt. Room Working pressure 100
 tested by hydraulic pressure to 200 Date of test 4-11-36 No. of Certificate 19840 Fire grate area 8.2 Description of safety valves S.T.
 No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 lbs If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Diameter of donkey boiler 5'-3" Length 11'-9" Material of shell plates 8 Thickness 1/2" - 13/32"
 Range of tensile strength 28-34 Description of riveting long. seams A.R.L. Diameter of rivet holes 25/32" Whether punched or
 drilled drilled Pitch of rivets 2.59, 2.625, 2.675 Lap of plating 3 7/8" Per centage of strength of joint 72.4 Working pressure of shell by
 rules 117 Thickness of shell crown plates 3/8" - 43/64" Radius of do. 2'-7 1/2" No. of stays to do. None Diameter of stays ✓ Diameter of
 furnace—Top ✓ Bottom 4'-6" Length of furnace ✓ Thickness of furnace side plates 1/2" Description of joint S.Lus Working
 pressure of furnace by rules 153 Thickness of Ogee ring 43/64" Working pressure of Ogee ring by rules 103 Thickness of furnace
 crown plates 1/2" Radius of do. 2'-3" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake
 plates 9/16" Thickness of tube plates front 11/16" back 9/16" Mean pitch of stay tubes in nest 10.7" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT 2 1/16" BACK 2 1/2" Working pressure of tube plates by rules F105, B110 Tubes: Material Iron
 External diameter stay 2 1/2" plain 2 9/16" Thickness stay 11/32" plain 11/16" No. of threads per inch 9 Pitch of tubes 3 1/16" x 4"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating
 ring 6" x 8/8" No. of rivets and diameter of rivet holes 36 - 25/32" Outer row pitch at ends 3 1/16"

The foregoing is a correct description,

T. Forster

Manufacturer.

Dates of Survey while building { During progress of work in shops - 1936 Aug: 28 Sep: 3. 10. 17. 24. 29 Oct: 5. 8. 15. 23 Drawing No. 22079
 { During erection on board vessel - Nov: 4
 Total No. of visits 11

Is the approved plan of boiler forwarded herewith Copy
Sld. Boiler No 12143, Sls Report No 51968.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey in accordance with the approved plan and the Society's Rules and requirements the materials and workmanship are good.

To the order of Wm. Dickenson & Son Ltd and No 236.

7/11/36.

This Boiler has been efficiently fitted on board and its safety valves have been adjusted under steam L.D. Forster

Survey Fee ... £ 44 : 4 : 7 When applied for 19
 Travelling Expenses (if any) £ : : When received 19

MONTHLY ACCOUNT

Jas. Cairns

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 10 NOV 1936 TUE 9 FEB 1937

Assigned TRANSMIT TO LONDON See Sld 32024



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