

REPORT ON BOILERS.

No. 1529.

24 JUN 1927

Date of writing Report 22nd June 1927 When handed in at Local Office 22nd June 1927 Port of Nantes.
No. in Survey held at Saint Nazaire Date, First Survey 29th March 1926 Last Survey 9th June 1927
Reg. Book. Supp^d 88.192. on the Steel Twin Screw Motor Vessel BENJAMIN FRANKLIN. (Yard No. Ts) Tons Gross 8513 Net 5339
Built at Penhoët, St. Nazaire By whom built Ch. et Atel. de St. Nazaire When built 1927/6.
Boilers made at Penhoët, St. Nazaire By whom made Ch. et Atel. de St. Nazaire When made 1926.
Signers Fred. Olsen & Co. Port belonging to Olso.

VERTICAL DONKEY BOILER— No. 1.224. Description Large cross tube Manufacturers of steel Trignac.
Made at Penhoët, St. Nazaire By whom made Ch. et Atel. de St. Nazaire When made 1926 Where fixed E.R. bottom platform Working pressure 8.0 kg/cm²
Tested by hydraulic pressure to 15.5 kg Date of test 3.9.26. No. of Certificate 90. Fire grate area oil fuel Description of safety valves double spring loaded.
No. of safety valves Two Area of each 1134 cm² Pressure to which they are adjusted 8.0 kg If fitted with easing gear Yes If steam from main boilers can
enter the donkey boiler Dia. of donkey boiler 1.550 Length 3.586 Material of shell plates Steel Thickness 12 Range of tensile
strength 44/50 Descrip. of riveting long. seams D.R. top Rivets 86.8 Dia. of rivet holes 24 Whether punched or drilled drilled Pitch of rivets 71.
Type of plating 113. Per centage of strength of joint Plates 66.2 Working pressure of shell by rules 9.6 kg Thickness of shell crown plates 24 mm
Radius of do. 1.550 No. of Stays to do. none Dia. of stays Diameter of furnace Top 1.180 Bottom 1.380 Length of furnace 1718.
Thickness of furnace plates 17 Description of joint welded Working pressure of furnace by rules 9.0 kg Thickness of furnace crown
plates 17. Radius of do. 1.180 Stayed by wet uptake Diameter of uptake 340 mm Thickness of uptake plates 12.
Thickness of water tubes 10.
The foregoing is a correct description,
Manufacturer.

Included in Report on Engines attached hereto.
Is the approved plan of boiler forwarded herewith Copy in London
Dated 30/10/25.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
Workmanship good. This vertical donkey boiler has been specially surveyed during its construction. It has been built in accordance with the approved plan and the material used has been made at approved works and tested by the surveyors to this Society.
It has been fitted onboard in accordance with the Rules and is eligible in my opinion for the record in the Register Book of:- D.B. 114 lb.

Survey Fee £4.0.00. Pans. : : When applied for, 1927.
Travelling Expenses (if any) 00 : : When received, 19
Committee's Minute
Signed See Report attached
TUES. 12 JUL 1927
Engineer Surveyor to Lloyd's Register of Shipping.
Lloyd's Register Foundation
W340-0094