

REPORT ON BOILERS.

No. 86479

Date of writing Report March 26th 23 When handed in at Local Office 24 MAR 1923 Port of London
 No. in Survey held at Stitchin Date, First Survey 8th September 1922 Last Survey Feb 16th 1923
 Reg. Book. M/V. MARGRETTIAN (Number of Visits Two) Gross Tons 1923
 on the Spencer-Hopwood Patent Boiler No. 1703 By whom built Messrs Chas Hall & Sons When built 1923
 Master Bristol By whom made Messrs Spencer-Bonecourt Ltd When made 1923
 Owners D. W. Williams Cardiff Port belonging to London
Registered to Messrs Chas Hall & Sons Ltd

VERTICAL DONKEY BOILER— No. 1703 Description Spencer-Hopwood Manufacturers of steel Stewart & Lloyd Ltd
 Made at Stitchin By whom made Spencer-Bonecourt When made 1923 Where fixed in engine room Working pressure 120
 tested by hydraulic pressure to 230 Date of test 16-2-23 No. of Certificate 1252 Fire grate area 18-6 sq ft Description of safety valves 2 Spring loaded
 No. of safety valves 2 Area of each 5-93 Pressure to which they are adjusted 123 If fitted with easing gear Yes If steam from one boiler can
 enter the donkey boiler No Dia. of donkey boiler 5-6" Length 11-0" Material of shell plates Steel Thickness 7/16" Range of tensile
 strength 28-32 Descrip. of riveting long. seams S.R. Lap Dia. of rivet holes 7/8" Whether punched or drilled drilled Pitch of rivets 2 3/4"
 Lap of plating 4 3/8" Per centage of strength of joint 88% Working pressure of shell by rules 120 Thickness of shell crown plates 7/8"
 Radius of do. 5-0" No. of Stays to do. 2 Dia. of stays 1" Diameter of furnace Top 4-4" Bottom 5-0" Length of furnace 66"
 Thickness of furnace plates 7/8" Description of joint welded Working pressure of furnace by rules 125 Thickness of furnace crown
 plates 7/16" Radius of do. 5-0" Stayed by 2 Diameter of uptake 1-11 7/8" Thickness of uptake plates 7/16"
 Thickness of water tubes 11 1/2"
20 Stay tubes 7/4"

The foregoing is a correct description,
 SPENCER-BONECOURT LTD.
 Manufacturer.

Dates of Survey while building { During progress of work in shops - (1922) Sept 8. (1923) Feb 16
 During erection on board vessel -
 Total No. of visits 2

Is the approved plan of boiler forwarded herewith Yes

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

The boiler has been built under Special Survey in accordance with the enclosed plan & the Society's Rules.

The workmanship is good.

Upon completion the boiler was tested by hydraulic pressure to 230 lbs per sq in and showed no signs of weakness or defect.

The boiler is stamped:—

No. 1252
 Lloyd's Cert
 230 lbs. hyd.
 120 lbs. w.p.
 16.2.23 H.P.C.

This boiler has been put to sea and on board into safety valve adjusted under steam

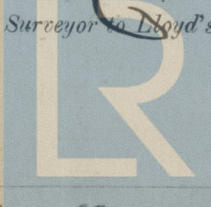
Survey Fee ... £ 4 : 4 : When applied for, 24 MAR 1923
 Travelling Expenses (if any) £ 1 - 12 - 6 When received, 19.6.23

Committee's Minute
 assigned

TUE. 11 DEC. 1923

See Gls. Rpt 42900

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
 Foundation