

REPORT ON BOILERS.

No. 82553
27 SEP 1919

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Port of London

Writing Report Sept. 18th - 19th 19 When handed in at Local Office Hitchin
in Survey held at Hitchin Date, First Survey 23rd Jan. 1920 20th Aug '19 Last Survey 12th Sept. 1919
Book. on the Spencer Hopwood Boiler for Boston Concrete Works Cretchenden Gross 704.68 Net 658.12
Built at Greenock By whom built The Scottish Concrete Ship Co When built 1920
Made at Hitchin By whom made W. H. Spencer & Co. When made 1919
Port belonging to London

VERTICAL DONKEY BOILER - No. 12512.4 Description Spencer Hopwood Manufacturers of steel The Leeds Forge Co.
Made at Hitchin By whom made W. H. Spencer & Co. When made 1919 Where fixed turn back, aft Working pressure 150 lbs.
Tested by hydraulic pressure to 200 Date of test 17.9.19 No. of Certificate 1208 Fire grate area 12.5 sq ft Description of safety valves Spring loaded
of safety valves two Area of each 3.14 sq in Pressure to which they are adjusted 144 lbs If fitted with easing gear yes If steam from main boilers can
be used for the donkey boiler yes Dia. of donkey boiler 4'-6 1/4" Length 10'-3" Material of shell plates steel Thickness 1/2" Range of tensile
strength 26-30 Descrip. of riveting long. seams lap Dia. of rivet holes 7/8" Whether punched or drilled drilled Pitch of rivets 2 7/8"
of plating 4 3/8" Per centage of strength of joint 70.8 Working pressure of shell by rules 168 Thickness of shell crown plates 1 1/16"
Radius of do. flat No. of Stays to do. 2 Dia. of stays 1" Diameter of furnace Top 9" Bottom 4'-2 3/4" Length of furnace 24"
Thickness of furnace plates 3/8" Description of joint welded Working pressure of furnace by rules 160 Thickness of furnace crown
plates 1 1/16" Radius of do. flat Stayed by yes Diameter of uptake 18" Thickness of uptake plates 3/4"
Thickness of water tubes no. 10 lbs.

The foregoing is a correct description,
W. H. Spencer & Co. Manufacturer.

Dates of Survey while building
During progress of work in shops - 1919: Aug 20 Sep 3. 12. 17.
During erection on board vessel - 1919: Aug. 16. 27. Oct. 7. Nov. 17. Dec. 12: - 5.
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.)

This boiler has been built under Special Survey and in accordance with the approved plan.
The material has been manufactured by The Leeds Forge Co. and tested by the British Lloyds.
The workmanship is good and the boiler was tested by hydraulic pressure to 200 lbs per sq in.

This boiler is now efficiently fitted in the vessel, under Special Survey.
All pumps and other connections are satisfactory, and were run tried under steam.

Graham Robertson
Surveyor
Greenock. 15th January 1920.

It is submitted that this vessel is eligible for THE RECORD. + D.B. 12.19. 150th. W.H.G. 30/1/20

Survey Fee 9 9 Travelling Expenses (if any) £

When applied for, 6/1/20 19
When received, 16/4/19 19

H. J. Cornish

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 27 JAN 1920
Assigned + DB 12+9-150th. gub



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