

REPORT ON BOILERS.

No. 82553
 27 SEP 1919

Received at London Office

Writing Report Sept. 18th - 19th 1919 When handed in at Local Office Hitchin
 Date, First Survey 23rd Jan., 1920 Port of London
 Date, Last Survey 20th Aug '19 Last Survey 17th Sept. 1919
 Gross Tonnage 704.68
 Net Tonnage 658.12
 Survey held at Hitchin
 on the Spencer Hopwood Boiler for Boston Concrete Works, Cretchenden
 Built at Greenock By whom built The Scottish Concrete Ship Co When built 1920
Hitchin By whom made W. H. Spencer & Co. When made 1919
 Port belonging to London

VERTICAL DONKEY BOILER No. 12512-4 Description Spencer & Co. Manufacturers of steel
 Made at Hitchin By whom made W. H. Spencer & Co. When made 1919 Where fixed turn truck, 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
 No. of safety valves two Area of each 3.14 sq in Pressure to which they are adjusted 145 lbs If fitted with easing gear yes If steam from main boilers can
 be used for the donkey boiler no 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"
 Kind of plating 43/8 Per centage of strength of joint 70.8 Working pressure of shell by rules 165 Thickness of shell crown plates 1 1/16"
 Radius of do. flat No. of stays to do. 4 Dia. of stays 1 1/2" Diameter of furnace Top 9' Bottom 4'-2 3/4" Length of furnace 24'
 Thickness of furnace plates 5/8" 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 no 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 - Emb. - (1919) Aug. 16, 27. Oct. 7. Nov. 17. Dec. 12: - 5.
 Total No. of visits 4

Is the approved plan of boiler forwarded herewith 5.

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 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.C. 30/1/20

Survey Fee 9: 9 When applied for 6/1/20
 Travelling Expenses (if any) £ 0 When received 16/4/19
H. P. Cornish
 Engineer Surveyor to Lloyd's Register of Shipping.

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

