

REPORT ON BOILERS.

Sub. No. 82554
27 SEP 1919

Received at London Office

Date of writing Report Sept. 23rd 1919 When handed in at Local Office 4th March, 1920 Port of London
 No. in Survey held at Stitchin Date, First Survey 3rd Sept. Last Survey 24th Dec. 1919
 Reg. Book. 10.9.19 (Number of Boiler) Tons Gross 708.19 Net 648.02
 on the Spencer Stopwood Boiler for 1000 Gr. Concrete Barge
 Master CRETEHIVE Built at Greenock By whom built The Scottish Concrete Ship Co. Ltd. When built 1920
 Boilers made at Stitchin By whom made W. H. Spencer & Co. When made 1919
 Owners The Admiralty Port belonging to London

VERTICAL DONKEY BOILER— No. LL 16 Description Spencer Stopwood Manufacturers of steel The Leeds Forge Co.
 Made at Stitchin By whom made W. H. Spencer & Co. When made 1919 Where fixed horns deck aft Working pressure 150
 tested by hydraulic pressure to 300 Date of test 24.9.19 No. of Certificate 1211 Fire grate area 2.46 Description of safety valves Spring loaded
 No. of safety valves two Area of each 3.4 Pressure to which they are adjusted 154 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler — Dia. of donkey boiler 4'-6" Length 10'-3" Material of shell plates Steel Thickness 1/2" Range of tensile strength 26-30 Descrip. of riveting long. seams B.R. Lap Dia. of rivet holes 7/8" Whether punched or drilled drilled Pitch of rivets 2 7/8"
 Lap of plating 4 3/8" Percentage of strength of joint 70.8 Rivets 64.4 Working pressure of shell by rules 168 Thickness of shell crown plates 1/16"
 Radius of do. flat No. of Stays to do. — Dia. of stays — 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 1/16" Radius of do. flat Stayed by — 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 Sep. 3. 12. 17. 19. 24
 During erection on board vessel— Sub. (1919) Sept. 10. Oct. 29. Nov. 17. Dec. 4. (1920) Jan. 15. 27. 29. Feb. 12. 24. — 9.
 Total No. of visits — Is the approved plan of boiler forwarded herewith —

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 Society's Surveyors.

The workmanship is good and the boiler was tested by hydraulic pressure to 300 lbs per sq. in.

The above mentioned boiler was fitted into the vessel under special Survey, and in accordance with the Society's rules. It and connections were seen at work under steam and found satisfactory.

Graham R. Houston
 Surveyor
 Greenock. 13/2/20.

It is submitted that
 this vessel is eligible for

THE RECORD. T.D.B 2.20 150 lbs

JUD. 12/3/20

Survey Fee ... £ 9 : 8 :
 Travelling Expenses (if any) £ : :
 (on 1/2 of 6-6-0)
 (on 1/2 of 3-3-0)

When applied for, 18/3/20 from L.
 When received, 16/4/20

S. J. Cornish
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW - 9 MAR 1920

Assigned T.D.B 2.20 - 150 lbs

Lloyd's Register
 Foundation

008925-008937-0311