

REPORT ON BOILERS.

No. 40341

Received at London Office

WED. SEP. 15 1920

Date of writing Report 10.9.20 When handed in at Local Office 11.9.20 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 24th March 1920 Last Survey 26th Aug 1920
 Reg. Book. on the Boiler J.K. 9 for Cabotage & Carriage & to be shipped to Cadiz (Number of Visits 14) Gross Tons }
 Net Tons }
 Master _____ Built at _____ By whom built _____ When built _____
 Engines made at _____ By whom made _____ When made _____
 Boilers made at Glasgow By whom made Barclay, Curle & Co When made 1920
 Registered Horse Power _____ Owners _____ Port belonging to _____

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel The Glasgow Lin & Steel Co & John Bennett & Sons

(Letter for record S) Total Heating Surface of Boilers 860 sq ft Is forced draft fitted No. and Description of Boilers one single ended Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 26.8.20
 No. of Certificate 15452 Can each boiler be worked separately Area of fire grate in each boiler 30 sq ft No. and Description of safety valves to each boiler _____ Area of each valve _____ Pressure to which they are adjusted _____
 Are they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 Smallest distance between boilers or uptakes and bunkers or woodwork _____ Mean dia. of boilers 10'-0" Length 10'-0"
 Material of shell plates S Thickness 19/32" Range of tensile strength 38/32 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams S. R. long. seams T. R. Diameter of rivet holes in long. seams 7/8" Pitch of rivets 4 1/4"
 Lap of plates or width of butt straps 6 3/4" Per centages of strength of longitudinal joint rivets 80.9 Working pressure of shell by rules 101 plate 79.4
 Size of manhole in shell 16" x 12" Size of compensating ring 28 1/2" x 24 1/2" No. and Description of Furnaces in each boiler 2 plain Material S Outside diameter 3'-1 1/2" Length of plain part top 6'-0" Thickness of plates crown 19/32 bottom 6'-9 1/2" bottom 32
 Description of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 100 Combustion chamber plates: Material S Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 23/32" Pitch of stays to ditto: Sides 11" x 9 1/2" Back 11" x 9 1/2"
 Top 11" x 9 1/2" If stays are fitted with nuts or riveted heads into Working pressure by rules 109 Material of stays S Area at smallest part 1.45 Area supported by each stay 104.5 Working pressure by rules 110 End plates in steam space: Material S Thickness 25/32"
 Pitch of stays 17" How are stays secured D.N.T.W. Working pressure by rules 100 Material of stays S Area at smallest part 2.87
 Area supported by each stay 289 Working pressure by rules 104 Material of Front plates at bottom S Thickness 25/32" Material of Lower back plate S Thickness 25/32" Greatest pitch of stays 12 1/2" x 9 1/2" Working pressure of plate by rules 171 Diameter of tubes 3 1/4"
 Pitch of tubes 4 1/2" x 4 1/2" Material of tube plates S Thickness: Front 25/32" Back 1 1/16" Mean pitch of stays 12 1/2" Pitch across wide water spaces 13 1/2" Working pressures by rules 107 Girders to Chamber tops: Material S Depth and thickness of girder at centre 2 @ 7 1/4" x 5" Length as per rule 30 1/2" Distance apart 11" Number and pitch of Stays in each 2 @ 9 1/2"
 Working pressure by rules 101 Steam dome: description of joint to shell _____ % of strength of joint _____
 Diameter _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____
 Pitch of rivets _____ Working pressure of shell by rules _____ Crown plates _____ Thickness _____ How stayed _____

SUPERHEATER. Type _____ Date of Approval of Plan _____ Tested by Hydraulic Pressure to _____
 Date of Test _____ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler _____
 Diameter of Safety Valve _____ Pressure to which each is adjusted _____ Is Easing Gear fitted _____

Survey request form 2474
 The foregoing is a correct description, John H. Brown Manufacturer.
 Dates of Survey: During progress of work in shops: 1920 Mar 24 Apr 8, 26, 30 May 3/2, 24, 31 Jun 14, 28 July 6, 15 Aug 26 Is the approved plan of boiler forwarded herewith Yes
 while building: During erection on board vessel: _____ Total No. of visits 14

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
This boiler has been built under special survey; the material & workmanship being good & proved satisfactory under hydraulic test.

Survey Fee ... £ 2.17.0 When applied for 13.9.20
 Travelling Expenses (if any) £ : : When received Paid Sep 15 1920
as Easthope & A. T. Thomas
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 14 SEP 1920
 Assigned Transmit to London.

