

REPORT ON BOILERS.

No. 38647.

Received at London Office

Date of writing Report 18 March 1919 When handed in at Local Office

191

Port of Glasgow

No. in Survey held at Glasgow

Date, First Survey Sept 18th 1919 Last Survey 4/4 1919

Reg. Book.

on the main boiler for the Steamer "JOHN HUNS"

(Number of Visits)

Gross
Tons
Net

Master

Built at Paisley

By whom built Fullerton & Co

When built 1919

Engines made at Glasgow

By whom made Messrs Beardmore & Co 533

When made 1919

Boilers made at Glasgow

By whom made A & W Dalglisch (No 728)

When made 1918

Registered Horse Power 45

Owners H. H. Government

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Messrs Beardmore & Co

(Letter for record S) Total Heating Surface of Boilers 1368 sq ft Is forced draft fitted No. and Description of

Boilers One S.E. marine Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 30-11-18

No. of Certificate 14541 Can each boiler be worked separately Area of fire grate in each boiler 40 sq ft No. and Description of

safety valves to each boiler Pair Springloaded Area of each valve 2.9 sq ft Pressure to which they are adjusted 185

Are they fitted with easing gear Yes 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 8" Mean dia. of boilers 12.6" Length 10'0"

Material of shell plates Steel Thickness 1.5" Range of tensile strength 28-32 Are the shell plates welded or flanged

Descrip. of riveting: cir. seams D.R.LAP long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1.6" Pitch of rivets 7.3"

Lap of plates or width of butt straps 16" Per centages of strength of longitudinal joint rivets 86.6 plate 85.5 Working pressure of shell by

rules 182 Size of manhole in shell 16" x 12" Size of compensating ring 6" x 1.5" No. and Description of Furnaces in each

boiler 3. Plain Material Steel Outside diameter 37" Length of plain part top 77.35" Thickness of plates crown 2.3" bottom 3.2"

Description of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 182 Combustion chamber

plates: Material Steel Thickness: Sides 5/8" Back 3/2" Top 5/8" Bottom 5/8" Pitch of stays to ditto: Sides 8 1/2" x 8" Back 9 3/4" x 8"

Top 8 1/2" x 8 3/4" If stays are fitted with nuts or riveted heads Working pressure by rules 187 Material of stays Steel Diameter at

smallest part 1.79" Area supported by each stay 75 sq in Working pressure by rules 206 End plates in steam space: Material Steel Thickness 1.8"

Pitch of stays 17" x 17" How are stays secured D. Nuts Working pressure by rules 196 Material of stays Steel Diameter at smallest part 5.27"

Area supported by each stay 289 sq in Working pressure by rules 189 Material of Front plates at bottom Steel Thickness 1.6" Material of

Lower back plate Steel Thickness 1.5" Greatest pitch of stays 14 1/2" Working pressure of plate by rules 260 Diameter of tubes 3 1/2"

Pitch of tubes 4 3/4" x 4 3/4" Material of tube plates Steel Thickness: Front 1.6" Back 3/4" Mean pitch of stays 9.5" Pitch across wide

water spaces 14 1/2" Working pressures by rules 213 Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8 1/2" x 5/8" D. Length as per rule 28.6" Distance apart 8 3/4" Number and pitch of Stays in each Two @ 8 1/2"

Working pressure by rules 191 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked

separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

Survey required form

The foregoing is a correct description,

No 2061 attached

A. W. Dalglisch Manufacturers

Dates of Survey During progress of work in shops - 1919 Sept 18-21 Oct 7-14 29-1919 Jan 8-10 16-22 Feb 26-Mar 7 Is the approved plan of boiler forwarded herewith Yes

while building During erection on board vessel - 1919 July 18-31 Aug 28 Sept 9-19 23 Oct 25 Nov 6-22 26-30 Total No. of visits 50

Dec 6-12 24 (1919) Jan 8-14 24 Feb 5-13 Apr 11

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

is good. The boiler has been built under special supervision.

It is intended for the above vessel & will be fitted on

board in Glasgow. The boiler has not been securely fitted on board

the vessel & its safety valves adjusted under steam.

Survey Fee ... When applied for, 191

Travelling Expenses (if any) ... When received, 191

Committee's Minute GLASGOW 15 APR 1919

Assigned See accompanying machinery report

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Fred. A. Ferguson

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