

REPORT ON BOILERS.

(Boiler No 2073)

No. 81326

Date of writing Report 28. IX. 1920

No. in Survey held at Birkenhead

Reg. Book.

on the Boiler No 2073 for J. Ardshean

Date, First Survey May 26th 1920 Last Survey Sept 15th 1920

(Number of Visits 18.)

Gross Tons Net

When built

When made

When made

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Letter for record S. Total Heating Surface of Boilers 1809 sq ft

Boilers One Cylindrical Multitubular S.B. Working Pressure 180 lbs

of Certificate 2140 Can each boiler be worked separately

Area of fire grate in each boiler 57.75 sq ft

Area of each valve

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Material of shell plates Steel Thickness 1 3/8" Range of tensile strength 28-32 tons

Inside dia. of boilers 14'-0" Length 10'-9"

Descrip. of riveting: cir. seams DR. lap. long. seams T.R. Double straps

Diameter of rivet holes in long. seams 1 1/4" Pitch of rivets 8 1/2" x 4 1/4"

of plates or width of butt straps 18 1/8"

Per centages of strength of longitudinal joint

Size of manhole in shell 16" x 12"

Size of compensating ring

Material Steel Outside diameter 43 9/16"

Length of plain part

No. of strengthening rings One

Working pressure of furnace by the rules 185 lbs

Material Steel Thickness: Sides 1 1/16" Back 3/32" Top 1 1/16" Bottom 1"

Pitch of stays to ditto: Sides 10 1/2" x 8 1/2" Back 9 1/2" x 8 1/2"

Working pressure by rules 180 lbs

Material of stays Steel

Area at smallest part 5.94 sq ft

How are stays secured

Working pressure by rules 180 lbs

Material of Front plates at bottom Steel Thickness 3/32"

Material of tubes 4 1/2" x 4 1/2"

Material of tube plates Steel Thickness: Front 3/32" Back 3/32"

Mean pitch of stays 13 1/2" x 9"

Pitch across wide

Working pressures by rules 189 lbs

Girders to Chamber tops: Material Steel

Depth and thickness of

Number and pitch of Stays in each 2 in No. 10 1/2"

Distance apart 8 1/2" x 8 1/2"

Steam dome: description of joint to shell

Thickness of shell plates

Material

Description of longitudinal joint

% of strength of joint

Diam. of rivet holes

How stayed

Working pressure of shell by rules

Crown plates

Thickness

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Tested by Hydraulic Pressure to

Pressure to which each is adjusted

Is Easing Gear fitted

The foregoing is a correct description,

J. W. L. and Co. Ltd. Manufacturer.

LOCAL SECRETARY.

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During progress of work in shops - - -

During erection on board vessel - - -

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