

pt. 5a.

# REPORT ON BOILERS.

No. 38228.

Received at London Office WED. 16 OCT. 1918

Date of writing Report

191

When handed in at Local Office

191

Port of Glasgow

No. in Survey held at

Date, First Survey 5/4/18.

Last Survey 12/9/18 191

Reg. Book.

on the Naval store officer, A. Y. S. 721. Chesham, Mon.

(Number of Visits 19)

Gross

Tons

Master

Built at Chesham

By whom built Monmouth S B Co

When built 1920

Engines made at Newcastle

By whom made Parsons Marine Steam Turbine Co

When made 1918

Boilers made at Rugby

By whom made Babcock & Wilcox Ltd M 398

When made 1918

Registered Horse Power

Owners Soc: Nav: Armatori Runita

Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record S)

Total Heating Surface of Boilers 9636

Is forced draft fitted

No. and Description of

Boilers 3 Babcock & Wilcox Marine

Working Pressure 200

Tested by hydraulic pressure to

Date of test

No. of Certificate

Can each boiler be worked separately

Area of fire grate in each boiler 853/4

No. and Description of

Valves to each boiler

Area of each valve

Pressure to which they are adjusted

they fitted with easing gear

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

Least distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers 4-0 Length 15-11/4

Material of shell plates S

Thickness 9/16

Range of tensile strength 28/32

Are the shell plates welded or flanged

Descrip. of riveting: cir. seams OR

long. seams T R Suph. Butt S

Diameter of rivet holes in long. seams 29/32

Pitch of rivets 3-539

of plates or width of butt straps 4/4

Per centages of strength of longitudinal joint

plate 4/4

Working pressure of shell by

es 238

Size of manhole in shell 15-11

Size of compensating ring 7/8-4 3/8

No. and Description of Furnaces in each

Boiler

Material

Outside diameter

Length of plain part

Thickness of plates

bottom

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber

Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

p

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at

allest part

Area supported by each stay

Working pressure by rules

End plates in steam space: Material S

Thickness 13/16

ch of stays

How are stays secured Radius

Working pressure by rules 240

Material of stays

Diameter at smallest part

Area supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of

Header

S

Thickness 17/32

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes 13 3/16

ch of tubes 2 3/4-2 5/8

Material of tube plates S

Thickness: Front 1 7/8

Back

Mean pitch of stays

Pitch across wide

ter spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and thickness of

der at centre

Length as per rule

Distance apart

Number and pitch of Stays in each

orking pressure by rules

Superheater or Steam chest: how connected to boiler

Can the superheater be shut off and the boiler worked

parately

Diameter

Length

Thickness of shell plates 3/4

Material S

Description of longitudinal joint weld

Diam. of rivet

les

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

stiffened with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

orking pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

Survey request form

The foregoing is a correct description,

Babcock & Wilcox Limited

Manufacturer.

No. 2167 attached

Dates

During progress of 1918 Apr 5-10-12-15-29 May 6-15-17-22-30 June 3-10-12-20 Is the approved plan of boiler forwarded herewith already forwarded

Survey

work in shops - -

Total No. of visits 19

while

During erection on 24 July 5 Aug 2-26 Sept 12

building

board vessel - - -

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

The boiler have been built under special survey in accordance with the approved plans. The workmanship & materials are of good quality. The Clean drums, sections of tubes & headers listed to 4000 lb & the mud drums to 400 lb. The Boilers have been forwarded to Chesham & will be again tested when erected on board the vessel.

Survey Fee ...

£ 36-7-0

When applied for, 25/7/18

191

Travelling Expenses (if any) £

When received, 16/8/18

191

Now fitted on board S/S Monte Pambio

Eng. R. Ferguson

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

Committee's Minute

GLASGOW 15 OCT 1918

FRI. MAY. 14 1920

Assigned

TRANSMIT TO LONDON

Lloyd's Register Foundation