

REPORT ON BOILERS.

No. 11464

Port of Southampton

Received at London 11 FEB 22 1913

No. in Survey held at Cowes Date, first Survey _____ Last Survey _____ 19
 Reg. Book. _____ (Number of Visits _____)
 on the PADDLE FERRY STEAMER Tons { Gross 608.79
 Net 310.93
 Master _____ Built at Cowes By whom built J. S. White & Co. Ltd. When built 1923
 Engines made at Cowes By whom made J. S. White & Co. Ltd. when made 1923
 Boilers made at Cowes By whom made J. S. White & Co. Ltd. when made 1923
 Registered Horse Power 146 Owners London County Council Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel Dunlop & Co., Glasgow

(Letter for record S) Total Heating Surface of Boilers 2620 Is forced draft fitted no. No. and Description of Boilers 2 Single-ended Navy type Working Pressure 40 lbs. Tested by hydraulic pressure to 80 lbs. Date of test 24.11.21
 No. of Certificate 370 Can each boiler be worked separately yes. Area of fire grate in each boiler 48.5 No. and Description of safety valves to each boiler 2 Spring-loaded Area of each valve 15.9 Pressure to which they are adjusted 40 lbs.
 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 15" Mean dia. of boilers 9'-7" Length 17'-2 5/8"
 Material of shell plates S. Thickness 3/8" Range of tensile strength 28-32 tons Are the shell plates welded or flanged ✓
 Descrip. of riveting: cir. seams cut double lap long. seams DR lap Diameter of rivet holes in long. seams 3/4" Pitch of rivets 2 1/2"
 Lap of plates or width of butt straps 3 3/4" Per centages of strength of longitudinal joint rivets 77.2 Working pressure of shell by rules 58.7 plate 70
 Size of manhole in shell 16" x 12" Size of compensating ring 2'-3" x 1'-11" x 1/2" No. and Description of Furnaces in each boiler 2 plain with Adamson joints Material S. Outside diameter 3'-10" Length of plain part 3'-5" Thickness of plates crown 7/16" bottom 1/16"
 Description of longitudinal joint Welded No. of strengthening rings one Working pressure of furnace by the rules 43.5 Combustion chamber plates: Material S. Thickness: Sides 3/8" Back 9/16" Top 3/8" Bottom 3/8" Pitch of stays to ditto: Sides 10 x 9 1/2 Back -
 T BARS
 Top 10 x 16 If stays are fitted with nuts or riveted heads Side & Stay with nuts Working pressure by rules 45.5 lbs Material of stays S. Diameter at smallest part 1 1/8"
 Area supported by each stay Side 95 Working pressure by rules 5.44 End plates in steam space: Material S. Thickness Back 9/16"
 Pitch of stays 21 x 15 1/2 How are stays secured N. & Ys Working pressure by rules 44 lbs Material of stays S. Diameter at smallest part 1.48"
 Area supported by each stay 315 Working pressure by rules 50 lbs Material of Front plates at bottom ✓ Thickness ✓ Material of Lower back plate ✓ Thickness ✓ Greatest pitch of stays ✓ Working pressure of plate by rules ✓ Diameter of tubes 3" Ext.
 Pitch of tubes 4 1/4 x 4 3/16 Material of tube plates S Thickness: Front 9/16" Back 9/16" Mean pitch of stays 2 3/4 x 12 1/16 Pitch across wide water spaces 14" x 8 1/2" Working pressures by rules 56 lbs. Girders to Chamber tops: Material S. Depth and thickness of girder at centre 6 x 4 x 2 1/2 Length as per rule ✓ Distance apart 10" Number and pitch of Stays in each 6 @ 16"
 Working pressure by rules 51.5 lbs Superheater or Steam chest: how connected to boiler _____ 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 _____

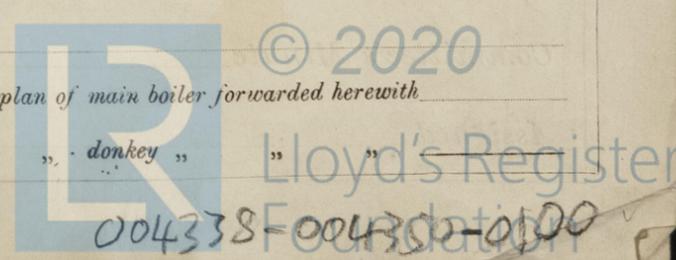
VERTICAL DONKEY BOILER— No. _____ Description _____ Manufacturers of steel _____

Made at _____ By whom made _____ When made _____ Where fixed _____
 Working pressure _____ tested by hydraulic pressure to _____ No. of Certificate _____ Fire grate area _____ Description of safety valves _____
 No. of safety valves _____ Area of each _____ Pressure to which they are adjusted _____ If fitted with easing gear _____ If steam from main boilers can enter the donkey boiler _____
 Dia. of donkey boiler _____ Length _____ Material of shell plates _____ Thickness _____ Range of tensile strength _____
 Descrip. of riveting long. seams _____ Dia. of rivet holes _____ Whether punched or drilled _____ Pitch of rivets _____
 Lap of plating _____ Per centage of strength of joint Rivets _____ Working pressure of shell by rules _____ Thickness of shell crown plates _____
 Radius of do. _____ No. of Stays to do. _____ Dia. of stays _____ Diameter of furnace Top _____ Bottom _____ Length of furnace _____
 Thickness of furnace plates _____ Description of joint _____ Working pressure of furnace by rules _____ Thickness of furnace crown plates _____
 Stayed by _____ Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____

For J. SAMUEL WHITE & COMPANY, Ltd.
 The foregoing is a correct description,
[Signature] Managing Director, Manufacturer.

Dates of Survey while building { During progress of work in shops - - - }
 { During erection on board vessel - - - }
 Total No. of visits _____

Is the approved plan of main boiler forwarded herewith _____
 " " " donkey " " _____



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

These two boilers have been constructed and tested in accordance with the requirements of the Rules and the approved plan. They have been satisfactorily fitted on board and tried under full working conditions.

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...	£	:	:	When applied for,
Special	£	:	:	19
Donkey Boiler Fee ...	£	:	:	When received,
Travelling Expenses (if any) £	:	:	:	19

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

Committee's Minute
Assigned

TUE. 27 FEB. 1923

Rpt. 13.
RE
Date of writing
No. in Reg. Book.
Built at
Owners
Electric L
System of
Pressure of
Direct or
If alternati
Has the A
Generator
are they ove
Where more
series with
Are all ter
or short cir
Position
is the vent
if situated
No
are their o
Earthing
their respo
Main Sw
a fuse on
Switch
are they p
woodwork
are they c
permanen
insulated
frame effe
Ye
bars
Main S
& Fu
circu
Instrum
Earth T
lan
Switch
Section