

REC'D NEW YORK
REPORT ON BOILERS.No. 1254
MON. 23 DEC. 1918

Received at London Office

Date of writing Report July 30 1917 When handed in at Local Office July 30 1917 Port of Newport News Va
No. in Survey held at Newport News Va Date, First Survey April 6 1917 Last Survey July 24 1917
Reg. Book. NEW on the PLISEY & JONES HULL #10804 Lynchburg. (Number of Visits 19) Gross ☒
Master ☒ Built at PLISEY & JONES By whom built PLISEY & JONES When built 1917
Engines made at NEWPORT NEWS By whom made NEWPORT NEWS & CO When made 1917
Boilers made at NEWPORT NEWS By whom made NEWPORT NEWS & CO When made 1917
Registered Horse Power 233 Owners PLISEY & JONES Port belonging to PLISEY & JONES

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel LUKENS & S CO
(Letter for record S.) Total Heating Surface of Boilers 4258 Is forced draft fitted ☒ No. and Description of Boilers 2 Scotch S.E. Working Pressure 200 Tested by hydraulic pressure to 300 Date of test 24.7.16
No. of Certificate 175 Can each boiler be worked separately ☒ Area of fire grate in each boiler 42.17 No. and Description of safety valves to each boiler 1 Area of each valve 1.5 Pressure to which they are adjusted 200
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 13' 0" Mean dia. of boilers 13' 0" Length 11' 0"
Material of shell plates S. Thickness 1 1/2 Range of tensile strength 60,000/68,000 Are the shell plates welded or flanged no
Descrip. of riveting: cir. seams IRL long. seams IRL Diameter of rivet holes in long. seams 1 3/8 Pitch of rivets 7 5/8
Lap of plates or width of butt straps 20 1/2 Per centages of strength of longitudinal joint 106.5 Working pressure of shell by rules 82.0
Size of manhole in shell 16 x 12 Size of compensating ring 38 x 34 No. and Description of Furnaces in each boiler 2 Material S. Outside diameter 48 1/4 Length of plain part 209 Combustion chamber plates: Material S. Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 7/8 Pitch of stays to ditto: Sides 7 1/2 x 7 1/2 Back 7 1/2 x 7 1/2
Top 7 1/2 x 7 If stays are fitted with nuts or riveted heads NUTS Working pressure by rules 240 Material of stays S. Area at smallest part 1.47 Area supported by each stay 56.2 Working pressure by rules 210 End plates in steam space: Material S. Thickness 1 3/32
Pitch of stays 4 x 6 How are stays secured IN Working pressure by rules 237 Material of stays S. Area at smallest part 2 5/8
Area supported by each stay 224 Working pressure by rules 217 Material of Front plates at bottom S. Thickness 3/4 Material of Lower back plate S. Thickness 3/4 Greatest nitch of stays 13 Working pressure of plate by rules 400 Diameter of tubes 2 3/4
Pitch of tubes 3 3/4 x 4 Material of tube plates S. Thickness: Front 3/4 Back 3/4 Mean pitch of stays 9 3/4 Pitch across wide water spaces 12 3/4 Working pressures by rules 279 Girders to Chamber tops: Material S. Depth and thickness of girder at centre 2-10 x 3/4 Length as per rule 33 Distance apart 7 Number and pitch of Stays in each 3- 7 1/2
Working pressure by rules 229 Steam dome: description of joint to shell 1 % of strength of joint 100
Diameter 1 Thickness of shell plates 1 Material S. Description of longitudinal joint 1 Diam. of rivet holes 1
Pitch of rivets 1 Working pressure of shell by rules 1 Crown plates 1 Thickness 1 How stayed 1

SUPERHEATER. Type 1 Date of Approval of Plan 1917 Tested by Hydraulic Pressure to 200
Date of Test 1917 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler ☒
Diameter of Safety Valve 1 Pressure to which each is adjusted 200 Is Easing Gear fitted ☒

The foregoing is a correct description,
Newport News Shipbuilding & Dry Dock Co.,
By [Signature] Assistant to the President

Dates of Survey 1917 During progress of work in shops 1917 Is the approved plan of boiler forwarded herewith 1917
while building 1917 During erection on board vessel 1917 Total No. of visits 19

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been built under special survey in accordance with approved plan and Rules. The materials and workmanship are good and under the rules eligible in my opinion, to have the record entered in the Register Book.

Survey Fee \$52.75 When applied for, 26.7 1917
Travelling Expenses (if any) £ When received, 191

Committee's Minute

Assigned

New York DEC - 3 1918

See Phil Rpt 3035

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Engineer Surveyor to Lloyd's Register of Shipping.