

Rpt. 5a.

REPORT ON BOILERS.

3035
No. 1254
MON. 23 DEC. 1917

REC'D NEW YORK *Dec 20 1917*
 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 *PUSEY & JONES HULL #10804 Lynchburg.* (Number of Visits *19*) } Gross ✓
 } Net ✓
 Master ✓ Built at _____ By whom built *PUSEY & JONES* When built _____
 Engines made at _____ By whom made _____ When made _____
 Boilers made at *NEWPORT NEWS.* By whom made *NEWPORT NEWS S & D Co* When made *1917*
 Registered Horse Power *233* Owners ✓ Port belonging to ✓

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *LUKENS I & 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 _____ Area of each valve _____ Pressure to which they are adjusted _____
 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 _____ Mean dia. of boilers *13'0"* Length *11'0"*
 Material of shell plates *S* Thickness *1 5/8* Range of tensile strength *60000/71680* Are the shell plates welded or flanged *no*
 Descrip. of riveting: cir. seams *IRL* long. seams *IBS, TR* 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 _____ Working pressure of shell by rules _____
 No. and Description of Furnaces in each boiler *2 McKison* Material *S* Outside diameter *48 1/4* Length of plain part _____ Thickness of plates _____
 Description of longitudinal joint *Weld* No. of strengthening rings _____ Working pressure of furnace by the rules *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 *53* 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 _____ % of strength of joint _____
 Diameter _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____
 Pitch of rivets _____ Working pressure of shell by rules _____ Crown plates _____ Thickness _____ How stayed _____

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

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

Dates of Survey (During progress of work in shops - - -) *4.6.11.18.19.21.7.10.17.23.29.5.9.13.16.20.25.29* Is the approved plan of boiler forwarded herewith *Yes*
 while (During erection on board vessel - - -) *10.16.20.24.* 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 all good and under the vessel eligible in my opinion, to have the record.*
R. S. B. 200 M in the Register Book
 Survey Fee *52.75* When applied for, *26.7 1917*
 Travelling Expenses (if any) £ _____ When received, _____ 1917

Committee's Minute _____
 Assigned *See Phil Rpt 3035*
 New York DEC - 3 1917
 Engineer Surveyor to Lloyd's Register of Shipping.
 Lloyd's Register Foundation