

Rpt. 5.

REPORT ON BOILERS

No. 897
JUE. DEC. 23, 1919

REG'D NEW YORK DEC. 2, 1919

Received at London Office

Date of writing Report *Nov 5th 1919* When handed in at Local Office *Nov 5th 1919* Port of *Seattle, Wash*
No. in Survey held at *Aberdeen, Wash.* Date, First Survey *Oct 31st 1919* Last Survey *Oct 31st 1919*
Reg. Book. *1919* on the *Veritas Dry Boiler of the Baugentac "FOREST PRIDE"* (Number of Visits *one*) Gross *1600.06*
Master *John Pitzer* Built at *Aberdeen, W.* By whom built *Grays Harbor Ship Co.* When built *1919* Tons *1424.41*
Engines made at *-* By whom made *-* When made *-*
Boilers made at *East Newark, Pa.* By whom made *International Boiler Works* When made *1919*
Registered Horse Power *-* Owners *Grays Harbor Motor Ship Co.* Port belonging to *Aberdeen, W.*

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

(Letter for record)) Total Heating Surface of Boilers Is forced draft fitted No. and Description of
Boilers Working Pressure Tested by hydraulic pressure to Date of test
No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler 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 Length
Material of shell plates Thickness Range of tensile strength Are the shell plates welded or flanged
Descrip. of riveting: cir. seams long. seams Diameter of rivet holes in long. seams Pitch of rivets
Lap of plates or width of butt straps Per centages of strength of longitudinal joint rivets Working pressure of shell by
rules Size of manhole in shell Size of compensating ring plate
boiler Material Outside diameter Length of plain part top Thickness of plates crown
Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber
plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back
Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at
smallest part Area supported by each stay Working pressure by rules End plates in steam space: Material Thickness
Pitch of stays How are stays secured Working pressure by rules Material of stays Area at smallest part
Area supported by each stay Working pressure by rules 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
Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide
water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of
girder at centre Length as per rule Distance apart Number and pitch of Stays in each
Working pressure by rules 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

UPERHEATER. 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

VERTICAL DONKEY BOILER— No. *106* Description *Veritas Tubular* Manufacturers of steel *Midvale Steel*
Made at *E. Newburg* By whom made *International Bldg. Wks* When made *1919* Where fixed *Aft (Aberdeen)* Working pressure *125*
tested by hydraulic pressure to *190* Date of test *28-8-19* No. of Certificate *365* Fire grate area *125* Description of safety valves *Spring Loaded*
No. of safety valves *106* Area of each *4.908* Pressure to which they are adjusted *110 lbs* If fitted with easing gear *Yes* If steam from main boilers can
enter the donkey boiler *-* Dia. of donkey boiler *53 3/4"* Length *9'-0"* Material of shell plates *Steel* Thickness *13/32"* Range of tensile
strength *7680* Descrip. of riveting long. seams *Butt Joint* Dia. of rivet holes *7/8"* Whether punched or drilled *Drilled* Pitch of rivets *4 1/2"*
Lap of plating *✓* Per centage of strength of joint Rivets *115%* Working pressure of shell by rules *145 lbs* Thickness of shell crown plates *1/2"*
Radius of do. *Flat* No. of Stays to do. *beaded* Dia. of stays *✓* Diameter of furnace Top *4'-0"* Bottom *4'-0"* Length of furnace *27"*
Thickness of furnace plates *3/2" + 1/2"* Description of joint *Single Rivet Top* Working pressure of furnace by rules *129 lbs* Thickness of furnace crown
plates *1/2"* Radius of do. *Flat* Stayed by *Tubes beaded* Diameter of uptake *24"* Thickness of uptake plates *2 1/2" + 1/2"*
Thickness of water tubes *13.049*

Grays Harbor Motor Ship Co.
by *W. H. Lillard* 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 " " "

W1112-0059

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

The Boiler has been installed on board ship together with necessary mountings & fittings. Tested under steam working conditions & found satisfactory - Safety Valves adjusted. The workmanship is of good quality, Eligible in my opinion to be classed & noted in Register Book.

Philadelphia Report No 3464 attached herewith.

It is submitted that this vessel is eligible for THE RECORD + DB 10. 19. 125 1/5.

JWD
1/1/20

C. A. Astie
Engineer Surveyor to Lloyd's Register of Shipping

The amount of Entry Fee .. £	:	:	When applied for,
Special £	:	:	Nov 26 th 1919
Donkey Boiler Fee \$ 15.00	:	:	When received,
Installation \$ 21.00	:	:	29.1.19
Travelling Expenses (if any)	:	:	

Committee's Minute New York DEC - 9 1919

Assigned

+ N.D.B. 19 - 125 1/5

10



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