REC'D NEW YORK July 19 1918

Rpt. 5a.

REPORT ON BOILERS.

No. 14772

Received at London Office

Date of writing Report Mar 4th 1918 When handed in at Local Office Mar 9th 1918 Port of New York

No. in Reg. Book. Survey held at Port Richmond Staten Island N. Y. Date, First Survey 16 April/17 Last Survey 191 (Number of Visits)

on the Main boilers for the Texas Shipbuilding Co. S/S "SAGADAHOC" Tons { Gross / Net

Master Built at By whom built When built

Engines made at By whom made When made

Boilers made at Staten Island N. Y. By whom made Staten Island S. B. Co. When made 1918.

Registered Horse Power Owners Port belonging to

BOILERS. 299.300 91.

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

(Letter for record V) **Total Heating Surface of Boilers** 8118 □' Is forced draft fitted Yes. **No. and Description of Boilers** Three Cylindrical Single ended **Working Pressure** 190 lbs Tested by hydraulic pressure to 285 lbs Date of test 22/2/18.

No. of Certificate 35 Can each boiler be worked separately Yes. **Area of fire grate in each boiler** 60.5 □' No. and Description of safety valves to each boiler Two, Spring loaded Area of each valve 9.62 □" 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 15'-0" Length 11'-0"

Material of shell plates Steel Thickness 1 13/32" Range of tensile strength 28/32 Tons Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams D.R.LAP. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 7/16 Pitch of rivets 8 3/8"

~~Lap of plates or~~ width of butt straps 21" Per centages of strength of longitudinal joint rivets 102 plate 82 Working pressure of shell by rules 205 lbs. Size of manhole in shell 16"×12" Size of compensating ring 7½" wide × 1 13/32 **No. and Description of Furnaces in each boiler** 3, Morisons Material Steel Outside diameter 48¾" Length of plain part top ✓ bottom ✓ Thickness of plates crown / bottom } 5/8"

Description of longitudinal joint Welded No. of strengthening rings ✓ Working pressure of furnace by the rules 207 lbs Combustion chamber plates: Material Steel Thickness: Sides 19/32" Back 5/8" Top 5/8" Bottom 7/8" Pitch of stays to ditto: Sides 7"×6½" Back 7¼"×7" Top 6½"×8" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 258 Material of stays Iron Area at smallest part 1.76 □" Area supported by each stay 50.75 Working pressure by rules 260 End plates in steam space: Material Steel Thickness 1 1/8" Pitch of stays 17"×15" How are stays secured D. Nuts Working pressure by rules 221. Material of stays Steel Area at smallest part 5.94 □" Area supported by each stay 255 □" Working pressure by rules 242 Material of Front plates at bottom Steel Thickness ¾ Material of Lower back plate Steel Thickness ¾ & ¾ doubling Greatest pitch of stays 13½" Working pressure of plate by rules 240 Diameter of tubes 2½" Pitch of tubes 3½×3 11/16" Material of tube plates Steel Thickness: Front 13/16 & ¾" Back 13/16" Mean pitch of stays 9.03 □" Pitch across wide water spaces 13½" Working pressures by rules 263 lbs. Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 9"×2" Length as per rule 33" Distance apart 8" Number and pitch of Stays in each 4 - 6½"

Working pressure by rules 338 Steam dome: description of joint to shell Not fitted. % 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,

Staten Island Shipbuilding Co. Manufacturer.
per A. C. Pearson

Dates of Survey while building { During progress of work in shops - - 1917: April 6 21 Nov 21 24 Dec 3 18 22 1918: Jan 3 11 21 25 30 Feb 1 20 28 / During erection on board vessel - - - }

Is the approved plan of boiler forwarded herewith Yes.

Total No. of visits

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

These Boilers have been constructed under Special Survey and in accordance with plans approved, London 8/6/16. The materials & workmanship are of good quality & on completion the boilers were tested by hydraulic pressure with satisfactory results. They have now been despatched for fitting on board.

Survey Fee ... £ : : } When applied for, 191

Travelling Expenses (if any) £ : : } When received, 191

G. J. Hudson.
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute New York JUL 23 1918

Assigned See Bos Rpt. 1043.

Boston

© 2020 Lloyd's Register Foundation

W118-0030