

No. 19205

WFO. 15 FEB. 1952

No. in
Reg. Book.

(Letter for record *2*) Total Heating Surface of Boilers *1250* ~~sq~~ *Is forced draft fitted* *Yes* No. and Description of

No. of Certificate 407 Can each boiler be worked separately Yes. Area of fire grate in each boiler 44.25 sq No. and Description of

Are they fitted with easing gear *Yes.* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *No.*

Smallest distance between boilers or uptakes and bunkers or woodwork 24" Mean dia. of boilers 11'-0" Length 10'-10"

Material of shell plates *Steel* Thickness *1* Range of tensile strength *65000* Are the shell plates welded or flanged *No*

Descrip. of riveting: cir. seams **D.R.L.A.P.** long. seams **T.R.D.B.S.** Diameter of rivet holes in long. seams $1\frac{5}{16}$ Pitch of rivets $8\frac{3}{8}$

Length of plates or width of butt straps $2 \frac{1}{2}$ " Per centages of strength of longitudinal joint rivets 104
Working pressure of shell by 35.8

rules 185 Size of manhole in shell 20" x 16" Size of compensating ring 31 1/2" x 27 1/2" x 1" No. and Description of Furnaces in each

boiler 2 Monson Material Steel Outside diameter 46 1/8" Length of plain part 10' 6" Thickness of plates crown 3/8"

Description of longitudinal joint *Welded* No. of strengthening rings *Conc* Working pressure of furnace by the rules *191* Combustion chamber

plates: Material *Steel* Thickness: Sides $19/32$ Back $19/32$ Top $19/32$ Bottom $13/16$ Pitch of stays to ditto: Sides $7 \times 6 \frac{5}{8}$ Back 7×7

Top 7x7 If stays are fitted with nuts or riveted heads R. Beads Working pressure by rules 184 Material of stays Iron Area of

smallest part 1-24 Area supported by each stay 49 Working pressure by rules 202 End plates in steam space: Material Steel Thickness 5/8"

Pitch of stays 4×14 How are stays secured D. N. 9 W. Working pressure by rules 108 Material of stays Steel Area at smallest part 4.4

Area supported by each stay 196 Working pressure by rules 235 Material of Front plates at bottom Steel Thickness 1 1/2 Material of

Lower back plate *Steel* Thickness *5/16* Greatest pitch of stays *14" x 7"* Working pressure of plate by rules *202* Diameter of tubes *2 3/4*

Pitch of tubes $3\frac{3}{4} \times 3\frac{3}{4}$ Material of tube plates *Steel* Thickness: Front $\frac{11}{16}$ Back $\frac{11}{16}$ Mean pitch of stays $7\frac{1}{2} \times 7\frac{1}{2}$ Pitch across wide

water spaces $14 \times 7\frac{1}{2}$ Working pressures by rules 280 lbs. Girders to Chamber tops: Material, Steel. Depth and thickness of

girder at centre $7" \times 2"$ Length as per rule $30"$ Distance apart $7"$ Number and pitch of Stays in each $3 - 7"$

Working pressure by rules	207	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 ✓
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Pitch of rivets ✓ Working pressure of shell by rules ✓ Crown plates ✓ Thickness ✓ How stayed ✓

UPPER HEATER. Type *Not* Date of Approval of Plan *Not* Tested by Hydraulic Pressure to

Date of Test _____ **MARK ON BOILER** Is a Safety Valve fitted on each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve	No. <u>407</u>	Pressure to which each is adjusted	Is Lifting Gear fitted

W P / 80

21.4.20. 18.4.20.

Dates During progress of 1920 Mar. 29 Apr. 1, 15, 22, May 3, 13, 25, 28 Jun 3, 14 Is the approved plan of boiler, or amended herewith

white (During erection on) 21 22 23 24 25 26 Aug 19 21 26 Sep 10 June 7.17 July 9, 11 Total No. of visits 42. 11

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...the

the foot 12 feet and the hydraulic lift noted satisfactory. This roller has been

Usapio actively installed on board is aff; valve adjusted under strain 6

180 lbs. " 435.00 - Charged at 182

Survey Fee ... ~~\$35.00~~ : When applied for, 1st Jan 83 191

Travelling Expenses (if any) £ 8.75 When received, 189

1771. *C. H. Hudson* 1771. *High Byle.*

Committee's Minute New York JAN 31 1922 ✓ *Engineer Surveyor to Lloyd's Register of Shipping.*

WISU-0/99

1. 150 = 0.15