

REPORT ON BOILERS.

No. 2080
MON NOV 26 1917.

Received at London Office

of writing Report *16 Sep 1917* When handed in at Local Office *✓* 10 Port of *Kobe*
 in Survey held at *Harima Dock. Oo.* Date, First Survey *14 Febry.* Last Survey *5th Septem 1917*
 Book. on the *Steel Single Screw Steamer "Yaito Maru"* (Number of Visits *17*) Gross Tons *2726*
M. Tanaka Built at *Oo* By whom built *The Harima Dockyard Co* When built *1917*
 nes made at *Kobe* By whom made *The Kobe Steel Works* when made *1917*
 rs made at *Oo* By whom made *The Harima Dockyard* when made *1917*
 uted Horse Power *281* Owners *Uchida Risen R. Raisha* Port belonging to *Amagasaki*

LTITUBULAR BOILERS ~~WALL, TURNBULL OR~~ DONKEY. — Manufacturers of Steel *Beardmore, Carnegie.*
 er for record *S* Total Heating Surface of Boilers *394* Is forced draft fitted *No* No. and Description of
 rs *One S.E.* Working Pressure *120 lb* Tested by hydraulic pressure to *240 lb* Date of test *14/7/17*
 f Certificate *LLOYDS* Can each boiler be worked separately *Yes* Area of fire grate in each boiler *11½* No. and Description of
 valves *240 lbs ALJ 14/7/17* Direct spring Area of each valve *2¼ diam.* Pressure to which they are adjusted *120 lbs*
 ey fitted with easing gear *Yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *No*
 est distance between boilers or uptakes and bunkers or woodwork *18* Mean dia. of boilers *7' 6"* Length *7' 10¾ int.*
 ial of shell plates *Steel* Thickness *½"* Range of tensile strength *28-32 tons* Are the shell plates welded or flanged *No*
 ip. of riveting: cir. seams *Double* long. seams *Double riv.* Diameter of rivet holes in long. seams *13"* Pitch of rivets *4½ x 2½*
 width of butt straps *8¾ x ½"* Per centages of strength of longitudinal joint *double straps* rivets *103.1* Working pressure of shell by
128 lb Size of manhole in shell *11" x 15"* Size of compensating ring *5½ x ½"* No. and Description of Furnaces in each
One plain Material *Steel* Outside diameter *33 7/8"* Length of plain part *30"* Thickness of plates *5/16"*
 tion of longitudinal joint *Weld* No. of strengthening rings *One* Working pressure of furnace by the rules *141 lb* Combustion chamber
 Material *Steel* Thickness: Sides *½"* Back *½"* Top *½"* Bottom *½"* Pitch of stays to ditto: Sides *7½ x 8* Back *7½ x 8*
 If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *123 lb* Material of stays *Steel* Diameter at
 st part *1¼"* Area supported by each stay *7½ x 8* Working pressure by rules *158 lb* End plates in steam space: Material *Steel* Thickness *5/8"*
 of stays *14 x 12* How are stays secured *Double nuts* Working pressure by rules *122 lb* Material of stays *Steel* Diameter at smallest part *2" 9/16"*
 supported by each stay *10 x 14* Working pressure by rules *127 lb* Material of Front plates at bottom *Steel* Thickness *5/8"* Material of
 back plate *Steel* Thickness *5/8"* Greatest pitch of stays *8"* Working pressure of plate by rules *130 lb* Diameter of tubes *3"*
 of tubes *4" x 4"* Material of tube plates *Steel* Thickness: Front *5/8"* Back *5/8"* Mean pitch of stays *10"* Pitch across wide
 spaces *1 nest* Working pressures by rules *140 lb* Girders to Chamber tops: Material *Steel* Depth and thickness of
 at centre *6½ x 1"* Length as per rule *23"* Distance apart *7"* Number and pitch of Stays in each *2 @ 7½"*
 g pressure by rules *180 lb* Superheater or Steam chest: how connected to boiler *✓* Can the superheater be shut off and the boiler worked
 ely Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 ned with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 g pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

Y. Hirata Manufacturer.

During progress of work in shops - *14 + 25 Febry. 30 Mar. 1st 14th 27 April* Is the approved plan of boiler forwarded herewith *Yes*
 During erection on board vessel - *14 + 18 May. 5 June 16 + 28 June 10. 14. 20 July 1. 13. 28 Aug.* Total No. of visits *17*

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

This donkey boiler has been made under Special Survey in accordance with the plan & requirements of the Rules & the materials & workmanship have been found good.

vey Fee *yen 8000* When applied for *14 Sep 1917*
 velling Expenses (if any) £ : : When received *29 Sep 1917*

Arthur Jones

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUE 4-DEC. 1917



© 2020

Lloyd's Register
Foundation

W1265 F0145