

REPORT ON BOILERS.

No. 2514

Received at London Office

TUE 8-1111 1919

Date of writing Report 101 When handed in at Local Office 101 Port of Kobe

No. in Survey held at Kobe Date, First Survey 7 Dec. 1918 Last Survey 15 Apr. 1919

Reg. Book. on the Steel Single Screw Steamer "New York Maru" (Number of Visits 15) Gross 5858 Tons Net 5858

Master W. Motoni Built at Kobe By whom built The Kawasaki Dockyard Co. Ltd. When built 1919

Engines made at Kobe By whom made The Kawasaki Dockyard Co. Ltd. When made 1919

Boilers made at do. By whom made do. When made 1919.

Registered Horse Power Owners The Kawasaki Kisen Kaisha Port belonging to Kobe

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Illinois Steel, Worn Bros, Man Wood, Carnegie Steel, Amer. Spiral Pipe Co.

(Letter for record S.) Total Heating Surface of Boilers 11320 Is forced draft fitted yes No. and Description of

Boilers One S. & Aux. Boiler Working Pressure 200 lbs. Tested by hydraulic pressure to 400 lbs. Date of test 21.2.19

Can each boiler be worked separately yes Area of fire grate in each boiler 33 No. and Description of safety valves to each boiler Two Direct Spring Area of each valve 5.93 Pressure to which they are adjusted 205 lbs.

Are they fitted with easing gear yes 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 18" Mean dia. of boilers 10' 10" Length 10' 6"

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

Descrip. of riveting: cir. seams Doub. riv. long. seams Double rivet Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 2 1/2" + 3 1/4"

1. Lap of plates or width of butt straps 1 1/2" x 1" Per centages of strength of longitudinal joint rivets 95.2 Working pressure of shell by plate 84.6

2. Rules 200 lbs. Size of manhole in shell 12" x 16" Size of compensating ring (1 1/2" + flange) 1" No. and Description of Furnaces in each boiler Two "Mouison" Material Steel Outside diameter 40 1/2" Length of plain part top Thickness of plates 9/16"

Description of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 236 lbs. Combustion chamber plates: Material Steel Thickness: Sides 5/8" Back 5/8" Top 5/8" Bottom 3/4" Pitch of stays to ditto: Sides 7 x 8 1/2" Back 7 1/2 x 8 1/2"

Top 7 x 8" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 204 lbs. Material of stays Steel Area at smallest part 1.78 Area supported by each stay 66 Working pressure by rules 212 lbs. End plates in steam space: Material Steel Thickness 7/8"

Pitch of stays 15 1/2 x 14 1/2" How are stays secured Doub. nuts Working pressure by rules 202 lbs. Material of stays Steel Area at smallest part 5.27

Area supported by each stay 15 1/2 x 14 1/2" Working pressure by rules 238 lbs. Material of Front plates at bottom Steel Thickness 3/4" Material of

Lower back plate Steel Thickness 3/4" Greatest pitch of stays 13 1/2" Working pressure of plate by rules 200 lbs. Diameter of tubes 3 1/4"

Pitch of tubes 4 3/4" Material of tube plates Steel Thickness: Front 7/8" Back 3/4" Mean pitch of stays 8 3/4" Pitch across wide

water spaces 13 3/4" double 5/8" Working pressures by rules 200 lbs. Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 8 x 13/16 (two) Length as per rule 24" Distance apart 8" Number and pitch of Stays in each 3 @ 4"

Working pressure by rules 256 lbs. 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. _____ Description _____ Manufacturers of steel _____

Made at _____ By whom made _____ When made _____ Where fixed _____ Working pressure _____

Tested by hydraulic pressure to _____ Date of test _____ No. of Certificate _____ Fire grate area _____ Description of safety valves _____

No. of safety valves _____ Area of each _____ Pressure to which they are adjusted _____ If fitted with easing gear _____ If steam from main boilers can enter the donkey boiler _____

Dia. of donkey boiler _____ Length _____ Material of shell plates _____ Thickness _____ Range of tensile strength _____

Descrip. of riveting long. seams _____ Dia. of rivet holes _____ Whether punched or drilled _____ Pitch of rivets _____

Lap of plating _____ Per centage of strength of joint _____ Rivets _____ Working pressure of shell by rules _____ Thickness of shell crown plates _____

Radius of do. _____ No. of Stays to do. _____ Dia. of stays _____ Diameter of furnace Top _____ Bottom _____ Length of furnace _____

Thickness of furnace plates _____ Description of joint _____ Working pressure of furnace by rules _____ Thickness of furnace crown plates _____

Radius of do. _____ Stayed by _____ Diameter of uptake _____ Thickness of uptake plates _____

Thickness of water tubes _____

The foregoing is a correct description, Kawasaki Dockyard Co., Ltd. Manufacturer.

Per. M. Katsuta Secretary.

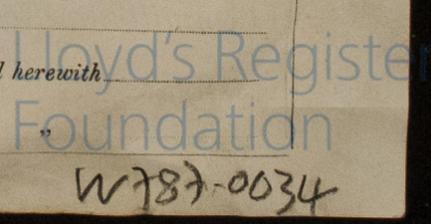
Dates of Survey while building { During progress of work in shops -- } 7.17.19.20. Dec 1918 9.14.18.30 Jan 4.12.31 Feb.

{ During erection on board vessel --- } 4.9.14.15 Apr. 1919

Total No. of visits 15

Is the approved plan of main boiler forwarded herewith _____

" " " donkey " " _____



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

This Auxiliary Main Boiler has been made + fitted under special survey in accordance with the requirements of the Rules and the materials and workmanship are good. This vessel is eligible in our opinion for the record Aux. S. to B. 200 lbs.

Rpt. 13.

RE

Port of
No. in Reg. Book on the Built
Owners *Kawa*
Yard No. *439*

DESCRIPTION OF

Two sets automatic 8" dia, 6"
Capacity of Dynamo
Where is Dynamo
Position of Main S
Positions of auxili
deck, 1 on
switch on
If cut outs are fitted
circuits *Y*
If vessel is wired
Are the cut outs of
Are all cut outs fitted
are permanent
Are all switches and
Total number of lights
A *11*
B *13*
C *32*
D *2*
E
2 Mast head
2 Side
7
If are lights, what
Where are the switches

DESCRIPTION OF

Main cable carrying
Branch cables carrying
Leads to lamps carrying
Cargo light cables carrying

DESCRIPTION OF

Conductor
tape. Cable
steel arm
Joints in cables, how
with water

Are all the joints of
made in bunker
Are there any joints
How are the cables

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

Are included in Machy S. S. fee

The amount of Entry Fee .. £	:	:	When applied for,
Special £	:	:19.....
Donkey Boiler Fee £	:	:	When received,
Travelling Expenses (if any) £	:	:19.....

A. L. Jones
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute
Assigned
FRI. 11 JUL. 1919

