

## REPORT ON BOILERS.

No. 2622

Port of Kobe

Entered at London Office

19

impeller shaft  
brasses  
ster  
ings and  
etc.

No. in Survey held at Kobe Date, first Survey Febr. 18<sup>th</sup> Last Survey Sept. 11<sup>th</sup> 1919  
 eg. Book. (Number of Visits 20) Tons } Gross 5863  
 } Net 4263  
 on the Steel Single Screw Steamer "Cape Town Maru"  
 Built at Kobe By whom built Kawasaki Dockyard Co. Ltd. When built 1919  
 Engines made at Kobe By whom made The Kawasaki Dockyard Co. Ltd. when made 1919  
 Silers made at do By whom made do when made 1919  
 Registered Horse Power N.H.P. 440 Owners The Kawasaki Kisen Kaisha, Ltd. Port belonging to Kobe

MULTITUBULAR BOILERS — ~~MAN~~ AUXILIARY OR ~~DONKEY~~ — Manufacturers of Steel Illinois Steel Co. Carnegie Steel Co. Am. Spiral Pipe Wks.

etter for record S. Total Heating Surface of Boilers 11320 Is forced draft fitted yes No. and Description of  
 boilers One 5 to auzel. Boiler Working Pressure 200 lbs. Tested by hydraulic pressure to 400 lbs. Date of test 10-7-19  
 o. of Certificate 400 LBS. Can each boiler be worked separately yes Area of fire grate in each boiler 330 No. and Description of  
3, 24, 25, 30, + 3 safety valves to each boiler Two Direct Spring Area of each valve 5.930 Pressure to which they are adjusted 205 lbs.  
 re they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓

rewith No. 5 smallest distance between boilers or uptakes and bunkers or woodwork 18" Mean dia. of boilers 10'-10" Length 10'-6"  
u Rpt. 2587 Material of shell plates Steel Thickness 1" Range of tensile strength 28 to 32 Are the shell plates welded or flanged no  
u Rpt. 2587 Descrip. of riveting: cir. seams Double riveted long. seams Double riveted Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 3/32" + 3 29/64"

opeller 31-7-19 Lap of plates or width of butt straps 14 1/2" x 1" Per centages of strength of longitudinal joint 95-2 Working pressure of shell by  
ts 1-9-19 plates 84-6  
-19 Size of manhole in shell 12" x 16" Size of compensating ring (7 1/4" + flange) 1" No. and Description of Furnaces in each  
aul 11-9-19 boiler Two Morrison Material Steel Outside diameter 40 1/4" Length of plain part top Thickness of plates crown 9 1/16"  
8-19 Description of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 236 lbs. Combustion chamber

Govt. Ins. 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 13/16 x 8 1/8"  
on Do. 25-7-19 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 204 lbs. Material of stays Steel Area  
on Do. 25-7-19 smallest part 1.78" Area supported by each stay 66" Working pressure by rules 242 lbs. End plates in steam space: Material Steel Thickness 7/8"

itch of stays 15 1/4 x 14 1/2" How are stays secured Double nuts Working pressure by rules 202 lbs. Material of stays Steel Area  
Area supported by each stay 15 1/4 x 14 1/2" Working pressure by rules 238 lbs. Material of Front plates at bottom Steel Thickness 3/4" Material of  
no 2009 Lower back plate Steel Thickness 3/4" Greatest pitch of stays 13 1/2" at wide Working pressure of plate by rules 200 lbs. Diameter of tubes 3 1/4"  
" 2031 Pitch of tubes 4 3/4" mean Material of tube plates Steel Thickness: Front 7/8" Back 3/4" Mean pitch of stays 8 3/4" Pitch across wide  
" 2587 water spaces 13 3/4" doubled 5/8" Working pressures by rules 200 lbs. Girders to Chamber tops: Material Steel Depth and thickness of  
" 2589 girder at centre 8 x 13/16 (two) Length as per rule 27" Distance apart 8" Number and pitch of Stays in each 3 @ 7"

Working pressure by rules 256 lbs. Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked  
 separately 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  
 If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed  
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

## VERTICAL DONKEY BOILER

No. Description Manufacturers of steel  
 Made at By whom made When made Where fixed  
 Working pressure tested by hydraulic pressure to 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 Stayed by Kawasaki Dockyard Co., Ltd. Diameter of uptake Thickness of uptake plates Thickness of water tubes

The foregoing is a correct description.

Per: J. A. Kane Secretary. Manufacturer.

Dates of Survey while building  
 During progress of work in shops - Febr. 18, 28; Mar. 3, 10; May 26; June 16, 23, 24, 27; July 2, 7, 10, 11, 15  
 During erection on board vessel - Sept. 1, 5, 6, 8, 10, 11.  
 Total No. of visits 20

Is the approved plan of Auxy boiler forwarded herewith No.  
Boiler Plan Same as for 5/5 Port Said Maru  
" " " " Rpt No 2589.

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Register  
 Foundation

W1321-0226



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

The Boiler has been made & fitted under Special Survey.  
The Rules have been complied with and the materials & workmanship found good.

The Vessel is eligible, it is submitted, for the record One 5. to Auxiliary Boiler 200 lbs.

*AW*

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

The amount of Entry Fee...	Included in	When applied for,
Special ...	machinery	19.
Donkey Boiler Fee ...	£ 1st Entry Fees	When received,
Travelling Expenses (if any) £	:	19.

Committee's Minute

TUE NOV. 18. 1913

Assigned

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

Rpt

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Reg. Bo

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Branch "

Branch cables

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Branch cables

Leads to lamps

Cargo light cabl

DESCRIPTION

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or lead core

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Are there any jo

How are the cabl

additional



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