

Received at London Office

Date of writing Report 7<sup>th</sup> July 1917 When handed in at Local Office 10 Port of Kobe

No. in Survey held at Kobe Date, First Survey July 28. 1916 Last Survey July 3<sup>rd</sup> 1917

Reg. Book. on the Steel Single Screw Steamer "Was Council" (Number of Volls) 5875

Master                      Built at Kobe By whom built The Kawasaki Dry Dock Co Ltd Tons Gross 4278 Net 4278 When built 1917-6

Engines made at Kobe By whom made The Kawasaki Dry Dock Co Ltd when made 1917

Boilers made at do By whom made do when made do

Registered Horse Power                      Owners Messrs J. & W. W. & Co Port belonging to                     

Nom. Horse Power as per Section 28 440 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

**ENGINES, &c.—Description of Engines** Triple Expansion No. of Cylinders 3 No. of Cranks 3

Dia. of Cylinders 26" 43 1/2" 72" Length of Stroke 48" Revs. per minute 70 Dia. of Screw shaft as per rule 15.41 Material of Steel

Is the screw shaft fitted with a continuous liner the whole length of the stern tube No liner Is the after end of the liner made water tight in the propeller boss ✓ If the liner is in more than one length are the joints burned ✓ If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive ✓ If two liners are fitted, is the shaft lapped or protected between the liners ✓ Length of stern bush 5" 5 1/4"

Dia. of Tunnel shaft as per rule 13.48 Dia. of Crank shaft journals as per rule 14.15 Dia. of Crank pin 14 3/4 Size of Crank webs 9 1/2 x 20 1/2 Dia. of thrust shaft 26 1/2 at pin & journal collars 14 3/8 Dia. of screw 17" 6" Pitch of Screw 19" 0" mean No. of Blades 4 State whether movable Yes Total surface 100 Sq ft

No. of Feed pumps One Diameter of ditto 5" Stroke 24" Can one be overhauled while the other is at work Yes (Wear feed)

No. of Bilge pumps Two Diameter of ditto 5" Stroke 24" Can one be overhauled while the other is at work Yes

No. of Donkey Engines Four Sizes of Pumps Bal. dup. 10-11-12 No. and size of Suctions connected to both Bilge and Donkey pumps Gen. only dup. 7 1/2 x 5.6

In Engine Room Three 3 1/2" Small " 5 1/2 x 9 In Holds, &c. Nos. 1, 3 & 4 holds two 3 1/2" No 2 hold two 4"

One 3" 1/2" tunnel well

No. of Bilge Injections 1 sizes 10" Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size yes 3 1/2"

Are all the bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible Now

Are all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks larger valves, smaller cocks

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Discharge Pipes above or below the deep water line Above

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes

What pipes are carried through the bunkers None How are they protected ✓

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes

Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges Yes

Is the Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Upper grating in E. Rm

**BOILERS, &c.—(Letter for record S)** Manufacturers of Steel Carnegie Steel Co. David Colville, St. R. Durham S. & Co. Alan Wood & Co.

Total Heating Surface of Boilers 5441 Is Forced Draft fitted Yes No. and Description of Boilers Two S. E. & one aux. S. E.

Working Pressure 200 lbs Tested by hydraulic pressure to 400 lbs Date of test 3<sup>rd</sup> + 10 Feb. No. of Certificate LLOYD'S TEST 400 LBS. HYD. A.L.J. 3/2/17 10/2/17

Can each boiler be worked separately Yes Area of fire grate in each boiler 60 1/2 No. and Description of Safety Valves to each boiler Two direct spring Area of each valve 3 3/4 dia Pressure to which they are adjusted 205 lbs Are they fitted with easing gear Yes

Smallest distance between boilers or uptakes and bunkers or woodwork 12" Mean dia. of boilers 14" 6" Length 12" 0" Material of shell plates Steel

Thickness 1 5/16 Range of tensile strength 29-32 tons Are the shell plates welded or flanged No Descrip. of riveting: cir. seams Double

long. seams Double straps Diameter of rivet holes in long. seams 1 3/8 Pitch of rivets 8 3/4 x 4 3/8 Lap of plates or width of butt straps 1" 7 5/8

Per centages of strength of longitudinal joint 84.3 Working pressure of shell by rules 209 lbs Size of manhole in shell 16" x 12"

Size of compensating ring 7 1/2" + 1 1/2" x 1 1/2" No. and Description of Furnaces in each boiler Three Morrison Material Steel Outside diameter 48 1/4"

Length of plain part top 5 1/8" Thickness of plates bottom 5 1/8" Description of longitudinal joint Weld No. of strengthening rings ✓

Working pressure of furnace by the rules 208 Combustion chamber plates: Material Steel Thickness: Sides Steel Back 1 1/16" Top 1 1/16" Bottom 7/8"

Pitch of stays to ditto: Sides 8 5/8 x 8 1/2 Back 9 x 8 1/2 Top 9 3/8 x 8 1/2 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 203 lbs

Material of stays Steel Area at smallest part 2-1" Area supported by each stay 9 3/8 x 8 1/2 Working pressure by rules 230 lbs End plates in steam space: Double nuts

Material Steel Thickness 1 5/16 Pitch of stays 19 3/4 x 20 1/2 How are stays secured Double nuts Working pressure by rules 201 lbs Material of stays Steel

Area at smallest part 10-01" Area supported by each stay 9 3/4 x 20 1/2 Working pressure by rules 260 lbs Material of Front plates at bottom Steel

Thickness 13/16 Material of 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" Pitch of tubes 4 7/16" 4 5/16" Material of tube plates Steel Thickness: Front 13/16" Back 13/16" 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 10 1/2" x 13/16" (2) Length as per rule 34 1/2 Distance apart 9 3/8 Number and pitch of stays in each 3 @ 8 1/2"

Working pressure by rules 230 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                     

**SUPERHEATER.** Type Schmidt Date of Approval of Plan                      Tested by Hydraulic Pressure to 600 lbs

Date of Test 10<sup>th</sup> + 14<sup>th</sup> May 1917 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler Yes

Number of Safety Valves 3 Pressure to which each is adjusted 205 lbs Is Easing Gear fitted No



yes. ✓

Kawasaki Dockyard Co., Ltd..

Manufacturer

Is the approved plan of main boiler forwarded herewith Yes  
 " " " Donkey " Aut. cl. " Yes



It is submitted that  
this vessel is eligible for  
THE RECORD. + LMC 7.17. FD

*Engineer Surveyor to Lloyd's Register of Shipping.*

The amount of Entry Fee	...	yen 30	:	When applied for,
Special	...	yen 594	:	29 June 1917
Monkey Boiler Fee	...	yen 50	:	When received,
Travelling Expenses (if any)	£	:	:	3rd July 1917

Committee's Minute

TUE. AUG. 28 1917

*Assigned*

\* Lm 6. 7. 17

MACHINERY CERTIFICATE  
WRITTEN

Lloyd's Register  
Foundation