

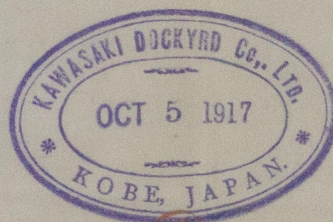
No. 400 SHIP, "WAR HERO."

LIGHT DISPLACEMENT.

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KAWASAKI DOCKYARD CO., LTD.

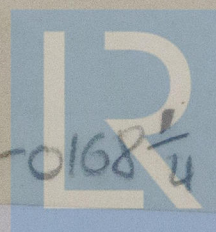
KOBE, JAPAN.



LLOYD'S REGISTER
16-a Harima-machi
KOBE.

A.L.F.

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Lloyd's Register
Foundation

No. 400 SHIP, "WAR HERO."

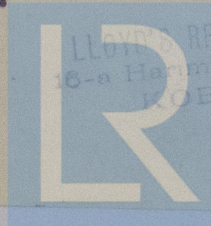
LIGHT DISPLACEMENT.

1. - Draught and Displacement at 11.00 A.M., Oct. 1, 1917.:-

Temperature of sea water 74° F.
 Specific gravity of sea water by Baume's
 hydrometer 1.0211
 Weight of sea water per cub.ft. $62.373 \times 1.0211 = 63.689$
 where 62.373 is the weight of 1 cub.ft. of
 fresh water at 59° F. (water with unit specific
 gravity) in lbs.
 Draught : Forward 9'-7 $\frac{3}{4}$ "
 Aft 12'-5 $\frac{1}{2}$ "
 Mean 11'-0 $\frac{5}{8}$ "
 Trim by the stern 2'-9 $\frac{3}{4}$ " = 2.81 ft.
 Change of displacement by one ft. trim
 (35 cub.ft. per ton) 4.73 tons.
 Displacement at 11'-0 $\frac{5}{8}$ " draught, even keel
 (35 cub.ft. per ton) 4,540.00 tons.
 Correction for the trim - 2.81 x 4.73 = - 13.30 "
 Displacement corrected for the trim
 (35 cub.ft. per ton) 4,526.70 "
 Displacement corrected both for the trim and
 the density of sea water... ..
 $4,526.7 \times \frac{63.689}{64.000} = 4,504.70 "$

2. - Weight to come out of ship:-

<u>Item.</u>		<u>Respective Wt. in Tons.</u>	<u>Gross Wt. in Tons.</u>
No. 1 Ballast tank	F.W. Full	152.8	
No. 2 " "	" "	425.0	
Feed water tank, P	" 3'-7"	87.0	
" " " S	" 3'-2"	76.4	
No. 3 Ballast tank	" Full	229.7	
No. 4 " "	" "	103.0	
Fore peak tank	" 22'-10 $\frac{1}{2}$ "	95.0	
After " "	" 20'-2"	81.0	
Fresh water tank	" Full	22.2	
Sanitary tank	Empty	0	
Water in tanks, total	...	...	1,272.1



Bilge water	...	...	...	...	...	...	36.3
Water in boilers	...	...	...	...	...	...	61.4
Coal in side bunkers	...	...	...	...	...	...	65.0
Men on board	...	...	...	...	...	...	14.7
Weight of gun support, magazines, &c.	...	...	...	...	...	...	12.7
Stage planks	...	...	...	...	...	42.7	
Angle bar brackets and wire rope suspenders for staging	...	...	...	...	...	2.3	
Temporary wood ladders and side ladder	...	...	...	...	...	0.8	
Landing stage	...	...	...	...	...	0.8	
Trestles	...	...	...	...	...	0.2	
Planks and logs	...	...	...	...	...	0.8	
Mooring ropes	...	...	...	...	...	0.8	
Drink water boiler	...	...	...	...	...	0.2	
Coal in galley and on deck	...	...	...	...	...	1.1	
Houses and W.C.	...	...	...	...	...	1.2	
Temporary store and watchman's room	...	...	...	...	...	1.0	
Miscellaneous	...	...	...	...	...	1.1	
Workmen's tools of Engine Department	...	...	...	...	...	3.0	
Weight of temporary shipment, total	56.0
Weight to come out of ship, total	1,518.2

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16-a Harima-machi,
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3. - Weight to go on board after the date:-

<u>Item.</u>	<u>Respective Wt. in Tons.</u>	<u>Gross Wt. in Tons.</u>
Accommodation ladder	0.7	
Derrick booms except heavy derrick	6.8	
Cargo blocks, &c.	3.0	
Awnings, canvas covers, &c.	0.7	
Boats, boat fittings, &c.	5.3	
Fittings in cabins and crew space	2.0	
Painting	2.5	
Wood for sparring in forward U.T.D.	2.4	
Wire and manila ropes	3.6	
Stores	2.5	
Miscellaneous	3.0	
Remaining works of Hull Department, total		32.5
" " " Engine " "		4.0
" " " Electric " "		0.9
Weight to go on board after the date, total		37.4

4. - Light Displacement and Draught:-

Displacement on October 1, 1917 corrected both for the trim and the density of sea water	4,504.7 tons.
Weight to come out of ship	1,518.2 "
Weight to go on board after the date	37.4 "
Equipped weight	3,023.9 tons.
Boiler water	61.4 "
Light displacement	3,085.3 "
Corresponding draught	7'-9 $\frac{1}{4}$ ".

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