

DEAD WEIGHT OF No. 132.

S. S. EAST INDIAN.

Draught at 11<sup>0</sup> A.M. on July 14th 1918.

Foreward...	6'-6"
Afterward..	11'-11"
Mean...	9'-2½"
Trim...	5'-5"

Specific gravity of sea water... .. I.026

Temperature of sea water... .. 74° F.

Weight of sea water per cubic foot  $62.28 \times 1.026 = 63.89928$  say 63.9  
where 62.28 is the weight of one cubic foot of fresh water  
at 74° F. ( water with unit specific gravity ) in pounds.

Change of displacement by the trim 5'-5" = 2.84 tons.  
( 35 cubic feet per ton )

Displacement corresponding to mean draught 9'-2½" = 4740.00 tons.  
( 35 cubic feet per ton )  
Correction for trim... .. + 2.84 "  
4742.84 "

Displacement corrected both for trim and density of sea water.  
( which weight 64 lbs. per cubic foot )  
 $\frac{4742.84 \times 63.9}{64} = 4735.427$  say 4735.43 tons.

Weight to " Go out "	... -146.10 "
	4589.33 "
Weight to " Go in "	... + 81.10 "
	4670.43 "

Ship's Light weight ... .. 4670.43 tons.

Corresponding draught ... .. 9'-0½"

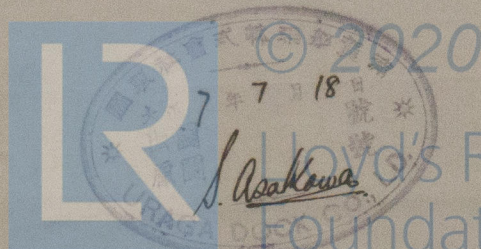
Displacement at draught 28'-7½" corresponding to Lloyd's provisional  
summer freeboard of 11'-11"  
16,350.00 tons.

Ship's Light weight including water in boilers and main condensers.  
4,670.43 tons.

Dead weight ...; ... .. 11,679.57 tons.

*Isaac Cairns*  
Surveyor to Lloyd's Register

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