

Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Nº 29503

PARTICULARS RELATING TO ~~STEAM SHIP~~ ~~WITHER FLUSH DECKED~~ ~~OR~~ WITH  
TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, ~~OR~~  
~~TOP GALLANT FORECASTLES HAVING LONG POOPS OR RAISED QUARTER DECK~~  
~~CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.~~Port of Survey Gunderland.  
Date of Survey 24<sup>th</sup> August 1927  
Name of Surveyor A Charlton  
Worthing

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
" <b>LARISTAN</b> "	<u>Newcastle</u> <u>British</u>	<u>149446</u>		<u>1927</u>	<u>100 A.I. carrying petroleum in bulk</u> <u>longitudinal framing</u> <u>(Bracketless system)</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>420.0</u>	<u>55.0</u>	<u>34.85</u>	<u>5883.08</u>
Length on LOADLINE.	<u>419.5</u>			
CORRECTED DIMENSIONS.	<u>419.5</u>	<u>54.5</u>	<u>34.32</u>	<u>6009.73</u>

Co-efficient of fineness.....

Any modification necessary  
[Para. 4 (a) to (e)]\*

Co-efficient as corrected .....

Sheer { Stem..... 66  
at { Sternpost ... 43 1/2 }  $109 \frac{1}{2} \div 2 = 54 \frac{3}{4}$  ... MeanSheer at  $\frac{1}{2}$  of the length from { Stem 13  
Sternpost 9 }  $22 \div 2 = 11$  ... MeanGradual mean Sheer from curve..... 25.58 24.69Standard mean Sheer [Table, Para. 18] 51.95Difference..... 26.37

§ If limited as Para. 18 (f).....

No sheer for 222 ft amidships  
on elevation.Rise in Sheer { At front of bridge house.....  
from amidships { At after end of forecastle .....Fall in Sheer {  
Para. 18 (d) }  $\div 2 =$ 

Length uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 9-7-3 3/4

Correction for Length, if required (Para. 12, 13, and 14) .....

Freeboard by Table A, corrected for sheer, and for length,  
if required (Para. 12, 13, and 14) }Difference ..... 3-9 3/4Percentage as below..... 26.4% 45.75 12.17Correction for R. Q. Dk. if engine and boiler openings not  
covered by bridge house (Para. 11) }Allowance for Deck Erections ..... 12 1/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>37.3</u> + <u>4 1/2 overhang</u>	<u>37.62</u>	<u>8.0</u>
Bridge House .....	<u>34.0</u>	<u>34.00</u>	<u>8.0</u>
† Raised Qr. Dk.....			
Poop.....	<u>105.0</u>	<u>105.00</u>	<u>8.0</u>
Total .....		<u>176.62</u>	<u>421</u>
Length of Ship .....		<u>419.50</u>	

Corresponding percentage {  
(Para. 12, 13, and 14) } 26.4%FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck:—

Fresh Water Line	<u>7 1/2</u>	above centre of Disc
Indian Summer Line	"	"
Winter Line	"	below
Winter North Atlantic Line	"	"

\* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside  
of ceiling should be reported if possible.  
† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amid-  
ships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-  
post. In vessels having poops and forecastles, it means the sheer measured at points distant  
one-eighth of the vessel's length from stem and stern-post.Moulded Depth as measured..... 34-9"Addition for Keel below base line  
for draught record..... 2.....inches.

## CORRECTION FOR LENGTH

Length of Ship on Loadline..... 419.5Length in Table ..... 417.0Difference ..... 2.5Correction for 10ft., Table A. .... 1.7 Table C. .8× Difference divided by 10 ..... .425 (if required.) .2If  $\frac{1}{10}$ ths length covered divide by 2 + 1/2 + 1/4

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... .42Thickness of usual wood deck, less stringer ..... 3 1/4 1.36

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 53.7Round of Beam ..... 18Normal round..... 13.42Difference ..... 4.58  $\div 2 =$  2.29Proportion of Deck uncovered (Para. 19) 58% 1.32- 1 1/4Freeboard, Table A ..... 115.00Correction for Sheer ..... + 6.81Correction for Length ..... + .42Allowance for Deck Erections ..... -12.17Correction for Round of Beam..... - 1.32

Correction for fall in Sheer (if any).....

Correction for Steel Deck (if required) ..... - 1.36

Additions for non-compliance with provisions of }

Para. 11 (d) and (e) }

Other Corrections (if any) .....

Winter Freeboard ..... 8-11 1/2Summer Freeboard 6.7 6 1/2 8-5Indian Summer Freeboard ..... 7-10 1/2

N. A. Winter Freeboard .....

Correction necessary because clearside amidships, measured  
in accordance with the Statute is not taken at the  
intersection of the ~~wood~~ or steel deck with side. $18 - 18 \left( \frac{25.66}{27.41} \right)^2 = 18 - 15.77 = 2.23$ Winter Freeboard from deck line ..... 9-13 3/4Summer " " " ..... 8-7 1/4Indian Summer " " " ..... 8-10 3/4

N. A. Winter " " " .....

Fresh Water Line 7 1/2 above centre of Disc

Indian Summer Line " " " " " " " " " " " "

Winter Line below " " " " " " " " " " " "

Winter North Atlantic Line " " " " " " " " " " " "

\* State dimensions of freeing port area on back of this form.

† The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight  
line of keel or to the water line. If measured relatively to water line the vessel's draft at time of  
survey, and also the usual load draft forward and aft should be reported.



Position and Size.		No. 1. 9'-0" x 11'-0" WIDE.									
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING.											
Height above top of DECK	30"										
Thickness { Sides.....	.44	D.									
Ends.....	.44										
SHIFTING BEAMS OR WEB PLATES.											
Number .....	one										
Section and Scantlings .....	pl. 10" x 7" x 30	D.									
Material .....	4 angle 3 x 3 x .40										
	Steel.										
* FORE AND AFTERS.											
Number .....	✓										
Section and Scantlings .....											
Material .....											
HATCHES Thickness .....	2 1/2										
Remarks.....	Good										

Oil light hatches elsewhere of efficient design + construction  
 Size 6'-0" x 4'-0" x 2'-6" high.

3 Sh. 4" x 3" x .40  
 Top pl. .50  
 1/2" ANG. 2 1/2 x 2 1/2 x .30  
 1/2" LUG  
 1/2" x .40 Side coaming

3 1/2 x 3 1/2 x .46

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

Strake between Main and Bridge Sheerstrakes :

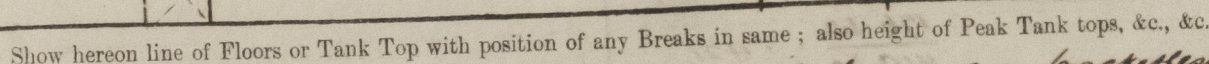
(The Crew are, are not, berthed in the bridge house.

Length of Bulwarks in well 149-0' aft

Area of Freeing Ports required by Para. 11 (e) each side of vessel

Ft.	Tenths.		Ft.	Tenths.		No.	} Freeing Ports (each side of vessel)
4.7	*	x	.75	x	6		

Total ~~deficiency~~ or excess = 1.55 ~~1.35~~ Sq. ft.



Longitudinal framing - bracketless system  
vessel has no sheer for a length of 222' see 11

Builder's name and yard number *Messrs Short Bros Ltd* *No 425*

Names of sister vessels *None*

Owners Hindustan SS Co Ltd

Address *Newcastle.*

Fee £ 11: . . .

Received by me Lee F. G. Rpt.

Will be changed on completion

A Freeboard request form is forwarded herein

The Builders state that the vessel has a displacement of 13740 tons on 26'-4" + tons per inch of 46.3 tons.

13740 = 7.42

Lloyd's Register  
Foundation