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MON. ZEMAY. 10. 11.

Index No. 270
(For London Office only.)

27243

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

3220.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Bombay
Date of Survey 1st April 1924.
Name of Surveyor John Houston

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S/S "Gambhira" Number in Register Book 20446	London British	142757	5257	1919	Reclassified with L.R. + 100 A.1.

Registered Dimensions from Register.		LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
		400.0 ft.	52.4 ft.	28.5 ft.	4844.67
Length on LOADLINE.	399.5	Frame Depth 10	Rule " <u>6</u>	^{No} Ceiling + .20 Sheer + 1.0	Peak Tanks
		5% Iron ² - ⁴ <u>66</u>	Sparring + 23		Included
CORRECTED DIMENSIONS.	399.5	57.97	29.6	4844.67	

Moulded Depth as measured..... 31'-0"

NOTE. — If the depth is measure when vessel is afloat, the details of measurement should be reported.

Addition for Keel below base line
for draught record.....inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 400' 399.5'
 Length in Table 342
 Difference 28 27.5'
 Correction for 10ft., Table A. 1.6 Table C. .8
 × Difference divided by 10 4.48 (if required.) 2.24
 If $\frac{6}{10}$ ths length covered divide by 2
 + 4½" - + 2¼" -

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered ~~50~~ 88
Thickness of usual wood deck, less stringer $3\frac{1}{2}$
- $1\frac{3}{4}$

CORRECTION FOR ROUND OF BEAM.

NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.

Breadth at Gunwale amidships.....	52	
Round of Beam.....	13"	
Normal round.....	13"	
Difference	✓	÷ 2 =
Proportion of Deck uncovered (Para. 19)	✓	

Co-efficient of fineness..... *.78 -*
 Any modification necessary } *— .02* *C. D. B.*
 [Para. 4 (a) to (e)]* }
 Co-efficient as corrected *.76 -*

Shear { Stem..... $\frac{120}{60}$ } $\frac{180.0}{185} \div 2 = 92.5$...Mean
at { Sternpost ... $\frac{65}{60}$ }

Shear at $\frac{1}{2}$ of the length from { Stem $\frac{69.69}{24.35}$ } $\frac{103}{100} \div 2 = \frac{51.5}{55}$...Mean
Sternpost

Gradual mean Sheer $\frac{92.5 + 90.9}{2} = 91.7$

Standard mean Sheer [Table, Para. 18] $\frac{49.95}{41.75} \div 4 = 10.48$ Correction

Difference.....

§ If limited as Para. 18 (f) $= -10.2$

Rise in Sheer	{	At front of bridge house.....
from amidships		
[Para. 18 (e)]		At after end of forecstle ✓

¶ Fall in Sheer } $\div 2 =$
 Para. 18 (d) }
 Length uncovered ✓ Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....	4'-9 1/2"
Correction for Length, if required (Para. 12, 10 , and 14)	+ 2 1/4"
	4'-11 3/4"
Freeboard by Table A. corrected for sheer, and for length, }	
if required (Para. 12, 10 , and 14) }	7'-5"
Difference	2'-5 1/2"
Percentage as below.....	32 7/10 %
	9.45

Correction for R. Q. Dk. if engine and boiler openings not }
covered by bridge house (Para. 11) }

Allowance for Deck Erections - 9 1/2'

	Length.	Length allowed.	Height.
Forecastle.....	40' 39.25.....	39.25	7.95
Bridge House	113 112.66.....	112.66	7.95
† Raised Or. Deck.....	✓	✓	✓
Poop.....	49.25.....	49.25	7.95
Total	202	505 201.16	5036
Length of Ship	400	399.5	
Corresponding percentage {	32.28% 32 7/8.		
(Para. 11, 12, 13, or 14)			

Freeboard, Table A	7' - 11"
Correction for Sheer	<u>10 1/2"</u>
	7' - 0 1/2"
Correction for Length	+ <u>4 1/2"</u>
	7' - 5"
Allowance for Deck Erections	- <u>9 1/2"</u>
	6' - 7 1/2"
Correction for Round of Beam.....	
Correction for fall in Sheer (if any).....	
Correction for Iron Deck (if required)	- <u>1 3/4"</u>
	6' - 5 3/4"
Additions for non-compliance with provisions of {	
Para. 11 (d) and (e) ‡ {	
Other Corrections (if any)	

Winter Freeboard	6'-5 ³ / ₄ " -
Summer Freeboard	6'-0 ¹ / ₄ " -
Indian Summer Freeboard	5'-6 ³ / ₄ " -
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. } + 1 $\frac{3}{4}$

Winter Freeboard from deck line	6' - 7½"	-
Summer " " " "	6' - 2"	-
Indian Summer " " " "	5' - 8½"	-
N. A. Winter " " " "		-

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck :—

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[illegible]

† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.

+ 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.

Do all the Frames extend to the top height in the Poop? *Alternate* Raised Quarter Deck? ☒ Bridge House? *Alternate* Forecastle? *Alternate*

To what height do the Reverse Frames extend? ☒

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *yes*

Give particulars of the means for closing the openings in Bulkhead *Hinged doors with clamps*

Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *yes*

Give particulars of the means for closing the openings in Bulkhead *Hinged doors with clamps*

What is the thickness of the Bridge Front plating? *40* and Coaming plate? *44*

Give scantlings and spacing of the Stiffeners *9" x 3 1/2" x 1/2" B.A. Spaced 30"*

Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *yes*

Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*

How are the openings closed? *Channels & weather boards*

Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *yes*

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Deckhouse*

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? ☒

Give thickness of plating; scantlings and spacing of Stiffeners *5/16", 3 1/2" x 3 1/2" x 5/16" spaced 4'-0"*

What is the height of the exposed Casings? *7'-9"* Are suitable means provided for closing all openings in them in bad weather? *yes*

Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— *yes*

Position and Size.		No. 1 32'-3" x 20'-0"		No. 2 34'-8" x 20'-0"		No. 3 10'-10" x 18'-0"		No. 4 34'-6" x 20'-0"		No. 5 30'-0" x 20'-0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	2'-4"		2'-4"		2'-4"		2'-4"		2'-4"	
	Thickness	Sides.....	1/2"	1/2"		1/2"		1/2"		1/2"	
		Ends.....	1/2"	1/2"		1/2"		1/2"		1/2"	
SHIFTING BEAMS OR WEB PLATES	Number	11	4" x 3" x 44'	11	4" x 3" x 44'	11	4" x 3" x 44'	11	4" x 3" x 44'	11	4" x 3" x 44'
	Section and Scantlings	19 x 36 angles top & bottom		19 x 36 angles top & bottom		18 x 34 angles top & bottom		19 x 36 angles top & bottom		19 x 36 angles top & bottom	
	Material	6" off Steel		6" off Steel		6" off Steel		6" off Steel		6" off Steel	
* FORE AND AFTERS	Number										
	Section and Scantlings	None		None		None		None		None	
	Material										
HATCHES Thickness		2 3/4"		2 3/4"		2 3/4"		2 3/4"		2 3/4"	
Remarks.....											

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (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.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

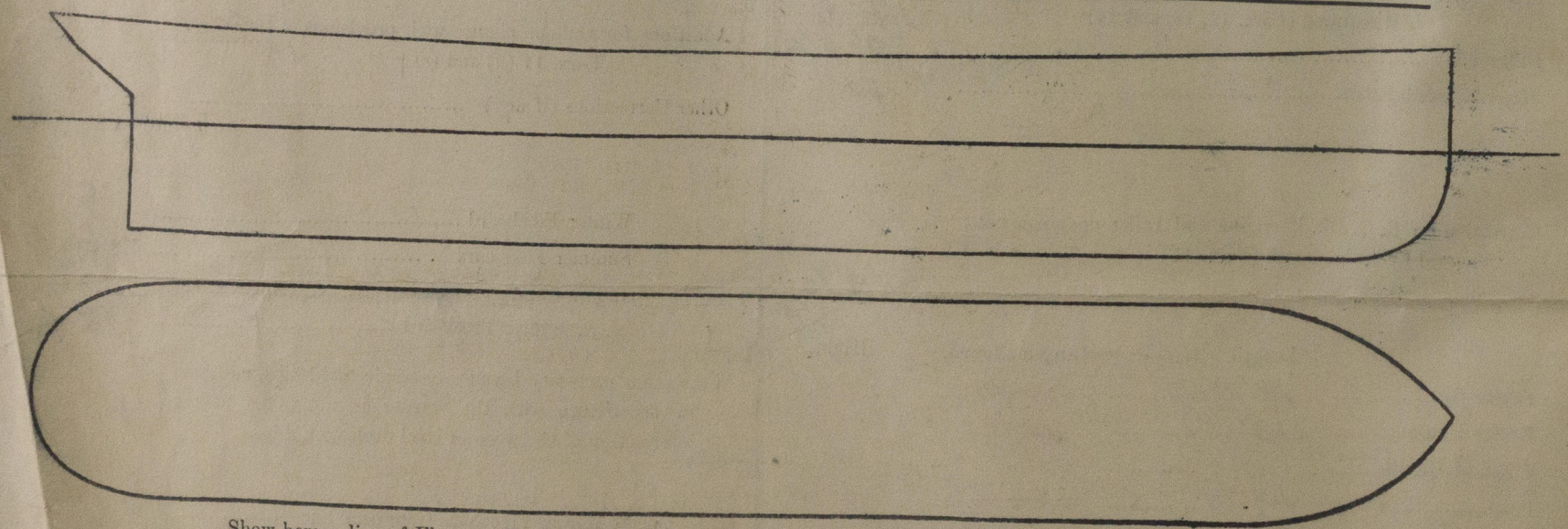
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = _____ Sq. ft.

Total deficiency or excess = _____ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel _____

Builder's name and yard number _____

Names of sister vessels _____

Owners _____

Address _____

Entered on Rpt. No 3201 _____

Received by me _____