

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.-STEAM SHIPS.PARTICULARS RELATING TO ~~THE~~ STEAM SHIP ~~EITHER FLUSH DECKED, OR WITH~~
~~TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR~~
~~WITH TOP GALLANT FORECASTLES HAVING LONG POOP, OR RAISED QUARTER DECK~~
CONNECTED WITH BRIDGE HOUSE, OR OTHERWISE.Port of Survey *Lisbon*Date of Survey *12th Oct. 1926*Name of Surveyor *W. H. Hughes & Co.*Particulars of Class and Tonnage
*CLASS CONTEMPLATED
100 FT. L.R.*

Ship's Name

Port of Registry
and Nationality.Official
Number.Gross
Tonnage.

Date of Build.

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	409.3	52.7	28.0	4752.
Length on LOADLINE.	410.79	Mean Frame Depth $7\frac{3}{4}$ Rule " $6\frac{1}{4}$ $\times 2 = 29$	Ceiling $22\frac{1}{2}$ Sheer $+ 39$	Peak Tanks
CORRECTED DIMENSIONS.	410.79	52.41	28.39	4752

Co-efficient of fineness..... 777
Any modification necessary {
[Para. 4 (a) to (e)]* } C.D.B.
Co-efficient as corrected 76

Sheer { Stem..... $7'10\frac{1}{2}"$ } $137 \div 2 = 68.5$ Mean 65.00
at { Sternpost $3'6\frac{1}{2}"$ } 51.08
Sheer at $\frac{1}{2}$ of the length from { Stem $4'7\frac{1}{2}"$ } $71.5 \div 2 = 35.75$ Mean 65.0
Sternpost $1'4"$ } 53.5
Gradual mean Sheer 65.00
Standard mean Sheer [Table, Para. 18] 51.08 Correction
Difference..... $13.92 \div 4 = 3.48$
§ If limited as Para. 18 (f) $-3\frac{1}{2}"$

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..... $4'8\frac{3}{4}"$
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) } $7'6\frac{3}{4}"$

Difference $2'10"$
Percentage as below 55.5%

Class "A" Closing Appliances at Bridge post. 18.87

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

Allowance for Deck Erections $18\frac{3}{4}"$

	Length.	Length allowed.	Height.
Forecastle.....	49.95	49.79	8'0"
Bridge House ..?	260'-4 $\frac{1}{4}"$ (See over)	260.37	8'0"
+ Raised Qr. Dk.	259.92		
Poop.....			
Total		$\frac{310.16}{410.79} = .755$	
Length of Ship			
Corresponding percentage { (Para. 11, 12, 13, and 14) } 55.5%			

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

Fresh Water Line	above centre of Disc
Indian Summer Line	" " "
Winter Line	below " " "
Winter North Atlantic Line	" " "

19 OCT 1926

¶ 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 amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
§ In dual-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. (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..... $30'10\frac{1}{2}"$ Addition for Keel below base line
for draught record..... inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *AS MEASURED 410'-9 $\frac{1}{2}"$ 79*
Length in Table 370.50
Difference 40.29
Correction for 10ft., Table A. 1.575 Table C. ✓
 \times Difference divided by 10 6.34 (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 3.17 $+ \frac{3}{4}$

3" wood deck fitted in well.
CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered ✓
Thickness of usual wood deck, less stringer $3\frac{1}{2}"$
Mean effective wood deck $3\frac{1}{4}"$ $-\frac{1}{4}"$

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... $52'8\frac{1}{2}"$
Round of Beam $12\frac{1}{2}"$
Normal round..... 13.18
Difference $-6.8 \div 2 = -3.4$
Proportion of Deck uncovered (Para. 19) $\frac{2.45}{-0.8}$

Freeboard, Table A	94.37	$7'10\frac{1}{4}"$
Correction for Sheer	-3.48	$-3\frac{1}{2}"$
Correction for Length	90.89	$7'6\frac{3}{4}"$
Allowance for Deck Erections	+3.17	$+3\frac{1}{4}"$
	94.06	$7'10"$
Correction for Round of Beam	-18.87	$-1'6\frac{3}{4}"$
	75.19	$6'3\frac{1}{4}"$
	+ .08	
	75.27	

Correction for fall in Sheer (if any).....
Mean effective wood on steel
Correction for Iron Deck (if required) $-0\frac{1}{4}"$
 $6'3"$

Additions for non-compliance with provisions of
Para. 11 (d) and (e) †
Other Corrections (if any) { no wood deck in way of marking } $-3\frac{1}{4}"$
 $5'11\frac{3}{4}"$

Winter Freeboard	$5'11\frac{3}{4}"$
Summer Freeboard	$5'6"$
Indian Summer Freeboard	$5'0\frac{1}{4}"$
N.A. Winter Freeboard	

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ steel deck with side. $1\frac{3}{4}"$

Winter Freeboard from deck line	$6'1\frac{1}{2}"$
Summer " " " "	$5'7\frac{3}{4}"$
Indian Summer " " " "	$5'2"$
N.A. Winter " " " "	

5'-7 $\frac{1}{2}"$
6 $\frac{1}{2}"$
5 $\frac{1}{2}"$
6"

† 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.

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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Minimum 10 ft.*
 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 *2 OPENINGS 6'10" x 4'4" CLOSED BY 3" WOOD STORM DOORS IN RIVETED CHANNELS*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *9'10" PLATE DOOR SECURED BY 3 C STRONG ARMS 6 x 3 3/8 x 7/10*
 What is the thickness of the Bridge Front plating? *8/10* and Coaming plate? *1 1/20*
 Give scantlings and spacing of the Stiffeners *C 7 x 3 3/8 x 10/10 SPACED 25 1/4" TO 24" ALSO 3 WEBS 15 5/8 x 9/10 FLANGED*
 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? *EXPLAINED ABOVE FOR FORE END OF POOP.*
 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? *Yes*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *POWER CASING 10'9"*
 What is the height of the exposed Casings? *ENGINE 8'0"* Are suitable means provided for closing all openings in them in bad weather? *STEEL HINGED STORM DOORS*

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*
COAL HATCH BRIDGE N° 3 HATCH BRIDGE N° 4 HATCH BRIDGE

Position and Size.	N° 1 HATCH 26'10" x 14'1"		N° 2 HATCH 31'3" x 17'1"		17'10" x 13'9"		31'3" x 14'10"		31'3" x 14'10"	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	33'	Along ALL HATCH SIDES	33'		34'		34'		34'	
Thickness	11/10	8 x 3 1/2 x 9/10	11/10		11/10		11/10		11/10	
SHIFTING BEAMS OR WEB PLATES.										
Number	3		3		2		3		3	
Section and Scantlings	WEB PLATE 4 1/2 x 10		SAME AS N° 1 H.		SAME AS N° 4		SAME AS N° 4		WEB PLATE 4 1/2 x 10	
Material	STEEL		STEEL		STEEL		STEEL		STEEL	
* FORE AND AFTERS.										
Number	3		3		3		3		3	
Section and Scantlings	CENTRE 9 1/2 x 7 1/2		CENTRE 11 x 7 1/2		CENTRE 10 x 7 1/2		CENTRE 10 x 7 1/2		CENTRE 10 x 8	
Material	SIDES T 7 x 4 7/8 x 8/10		SIDES T 7 x 4 7/8 x 9/10		SIDES T 7 x 4 7/8 x 8/10		SIDES T 7 x 4 7/8 x 8/10		SIDES T 7 x 4 7/8 x 8/10	
HATCHES Thickness	2 3/4"		2 3/4"		2 3/4"		2 3/4"		2 3/4"	
Remarks	WOOD.		WOOD.		WOOD.		WOOD.		WOOD.	

* 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 Rule.

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

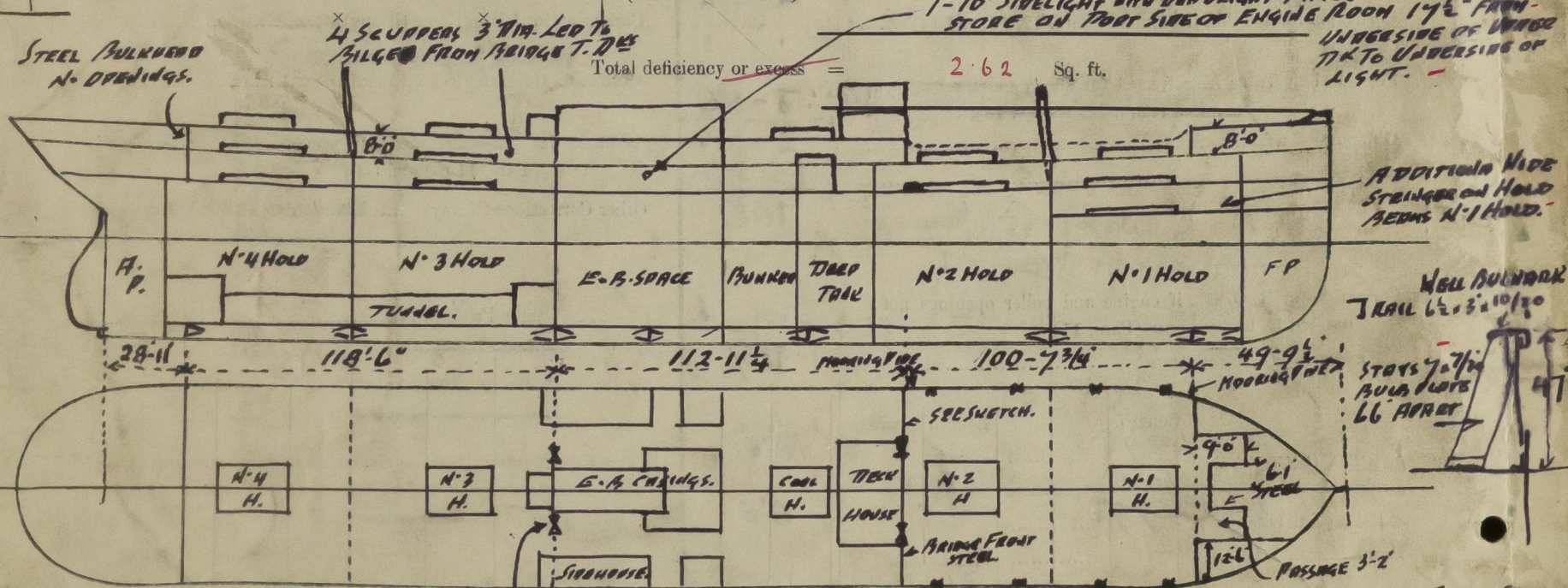
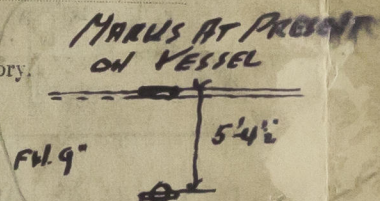
Delete the words } The Crew are, are not, berthed in the bridge house.
 that do not apply } The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well *100' 62"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *20' 12"* Sq. ft.

Ft. Tenth. Ft. Tenth. No. *2' 5" x 1' 75" x 4*
 Freeing Ports (each side of vessel) = *17' 5"* Sq. ft.

Total deficiency or excess = *2' 62"* 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.
STEEL BULKHEAD BETWEEN MAIN AND BRIDGE DECKS 2 OPENINGS 6'10" x 4'4" CLOSED BY 3" WOOD STORM DOORS IN RIVETED CHANNELS.

State any special features in the construction of the Vessel

Builder's name and yard number *BAEYER VULCAN.*

Names of sister vessels

Owners *SOC GENERAL DE COMMERCE INDUSTRIAL & TRANSPORTES LTD*

Address

FEES AND EXPENSES TO BE APPLIED FOR ON COMPLETION OF SURVEY

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