

Lloyd's Register of British & Foreign Shipping. 9996.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Bel 23/6/32

21 JUN 1928

32803

BY COPY WRITER

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 Belfast
 Date of Survey White Building
 Name of Surveyor Walker Lang

Ship's Name. "KING WILLIAM"	Port of Registry and Nationality. <u>London</u> <u>British</u>	Official Number. <u>160516</u>	Gross Tonnage.	Date of Build. <u>1928</u>	Particulars of Classification. <u>*100 A1 contemplated</u>
---------------------------------------	--	-----------------------------------	----------------	-------------------------------	---

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	400.7	54.8.	27.25.	4882.77
Length on LOADLINE.	400.	Frame Depth $7\frac{1}{2}$ Rule " $\frac{6}{12}$ 2×1.5 <u>Barq. battens fitted</u>	Ceiling <u>fitted</u> Sheer + .59 <u>D.B. drops</u> <u>4" at side</u> + .17	Peak } <u>Incl.</u> Tanks } <u>D.B. increased</u> <u>6'6" in 8R.</u> + 63
CORRECTED DIMENSIONS.	400.	54.55.	28.01.	4945.77

Moulded Depth as measured..... 29'-7 $\frac{1}{2}$ "

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

Co-efficient of fineness..... .809
 Any modification necessary }
 [Para. 4 (a) to (e)]* } .018 C.D.B.
 Co-efficient as corrected79

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	400.
Length in Table	355.5.
Difference	44.5.
Correction for 10ft., Table A.	1.5. Table C. .8.
× Difference divided by 10	6.675 (if required.) 3.56.
If $\frac{1}{10}$ ths length covered divide by 2	+ 6 $\frac{3}{4}$ + 3 $\frac{1}{2}$.

Sheer { Stem..... 91 } 146 ÷ 2 = 73... Mean 71.36
 at { Sternpost... 55 } 50.00
36 11.36
59

Sheer at $\frac{1}{3}$ of the length from { Stem 48.5 } 78.5 ÷ 2 = 39.25 Mean
 Sternpost 30.0

Gradual mean Sheer 71.36
 Standard mean Sheer [Table, Para. 18] 50.00 Correction
 Difference..... 21.36 ÷ 4 = 5.34
 § If limited as Para. 18 (f)..... - 5 $\frac{1}{4}$

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered51254
 Thickness of usual wood deck, less stringer 3 $\frac{1}{2}$ " - 1 $\frac{3}{4}$ "

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

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	54.5
Round of Beam	13.5
Normal round.....	13.6
Difference	- 1 ÷ 2 = - 0.5

Proportion of Deck uncovered (Para. 19) ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	4' - 3 $\frac{1}{4}$ "
Correction for Length, if required (Para. 12, 13, and 14)	+ 3 $\frac{1}{2}$ "
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	7' - 7 $\frac{1}{2}$ "
Difference	3' - 0 $\frac{3}{4}$ "
Percentage as below.....	<u>38%</u> <u>32.97%</u> <u>12.12%</u>

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

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } ✓
 Allowance for Deck Erections 1'-0"

	Length.	Length allowed.	Height.
Forecastle.....	35	35	8.0'
Bridge House	142.33	142.33	8.5'
† Raised Qr. Dk.....	✓	✓	✓
Poop.....	27.66	27.66	8.0'
Total	204.99	204.99	.51254
Length of Ship	400		
Corresponding percentage { (Para. 12, 13, & 14) }	<u>33%</u> <u>32.97%</u>		

Winter Freeboard	6'-5 $\frac{3}{4}$ "
Summer Freeboard	6'-0 $\frac{1}{4}$ " <u>5$\frac{1}{4}$"</u>
Indian Summer Freeboard	5'-7 $\frac{1}{4}$ "
N. A. Winter Freeboard	✓
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron <u>STEEL</u> deck with side. AS FIXED BY BOT SURVEYOR	1 $\frac{1}{2}$ "
Winter Freeboard from deck line	6' - 7 $\frac{1}{4}$ "
Summer " " " "	6' - 2 $\frac{1}{4}$ "
Indian Summer " " " "	5' - 8 $\frac{3}{4}$ "
N. A. Winter " " " "	✓
Wood (Iron) Deck :-	6' - 2"

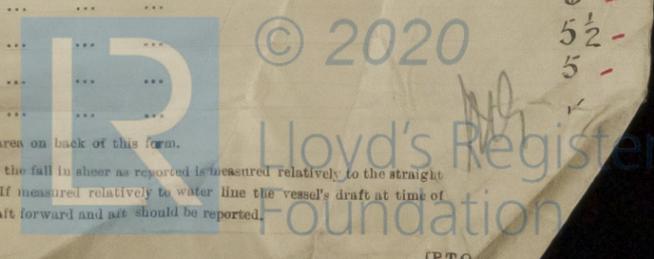
FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line,

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

22 JUN 1928

Frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside plating should be reported if possible.
 † 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.

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.



0025-182500-512500

Do all the Frames extend to the top height in the Poop? *Yes* - Raised Quarter Deck? *Yes* - Bridge House? *Alternate* - Forecastle? *Yes* -
 To what height do the Reverse Frames extend? *Channel Frames*
 Has the Poop or Raised Quarter Deck an efficient Bulkhead at the fore end? *Yes* -
 Give particulars of the means for closing the openings in Bulkhead *Strong Teak Hinged Doors*
 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 *None*
 What is the thickness of the Bridge Front plating? *40"* and Coaming plate? *144"*
 Give scantlings and spacing of the Stiffeners *9x3x50 BA spaced 28 1/2"*
 Are bracket plates fitted at each end of the Stiffeners? *Lugs fitted* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Bulkhead at the after end? *Yes*
 How are the openings closed? *Weather Boards full height in riveted channels*
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* - Has the Forecastle an efficient Bulk'd. at after end? *Yes*
 Are the Engine and Boiler openings covered by a Bridge, Roof, 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 *Yes*
 What is the height of the exposed Casings? *Yes* 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.	No1 27'-0" x 20'-0"		No2 30'-4" x 20'-0"		No3 28'-0" x 18'-0" B.D.		No4 30'-4" x 20'-0"		No5 30'-4" x 20'-0"	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	30"	As fitted	30"	As fitted	30"	As fitted	30"	As fitted	30"	As fitted
Thickness	Sides.....	44"	44"	44"	44"	44"	44"	44"	44"	44"
	Ends.....	44"	44"	44"	44"	44"	44"	44"	44"	44"
SHIFTING BEAMS OR WEB PLATES.	Number.....	5	6	5	6	5	6	5	6	
	Section and Scantlings	plate 17x34	plate 16 1/2 x 34	plate 16x34	plate 16 1/2 x 34	plate 16 1/2 x 34	plate 16 1/2 x 34	plate 16 1/2 x 34	plate 16 1/2 x 34	
	Material	4 angles 4x3x44 Steel	4 angles 4x3x44 Steel	4 angles 4x3x44 Steel	4 angles 4x3x44 Steel	4 angles 4x3x44 Steel				
* FORE AND AFT	Number.....	None	None	None	None	None	None	None	None	
	Section and Scantlings	None	None	None	None	None	None	None	None	
	Material	None	None	None	None	None	None	None	None	
HATCHES	Thickness.....	3	3	3	3	3	3	3	3	
	Remarks.....	Good	Good	Good	Good	Good	Good	Good	Good	

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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 *few 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

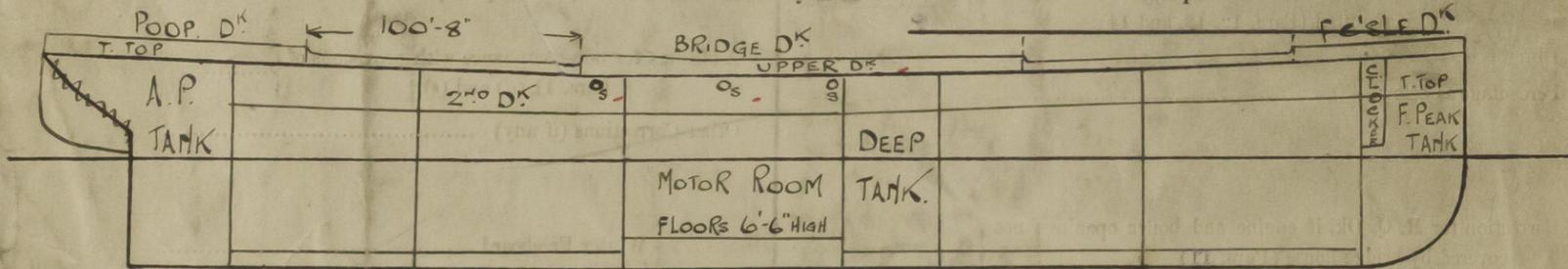
Area of Freeing Ports required by Para. 11 (e) each side of vessel =

Ft. Tenths. Ft. Tenths. No.
 Forward: 3.0 x 1.25 x 5
 Aft: 3.26 x 1.25 x 5

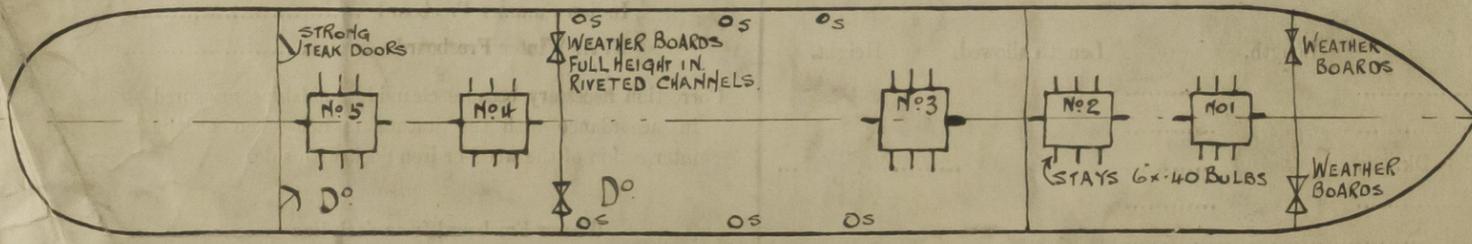
Freeing Ports (each side of vessel) = 20.31 Sq. ft.

after Well 100'-8" - 5' ports each side 3'-3" x 1'-3" = 20.31 sq ft
 94'-4" 5' 3'-0" x 1'-3" = 18.75 sq ft
 18.75 - 20.31 = 1.56 sq ft
 Clear only.

Total deficiency or excess =



S. SCUPPERS WITH BRASS STORM VALVES ON SHIP'S SIDE



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 *Sister vessel of same Builder No. 764.*
 "King Stephen. Belfast Freeboard Report No. 9966.

Owners *Kingline Ltd.*

Address

Fee £ 10 : 1 : 8

Received by me *See F.B. Report*

