

WRITTEN 9/12/30

Reg. 9. attached

Index No. 33885
(For London Office only.)

Hull No. 41321

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAM SHIPS.

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

Port of Survey HULL
Date of Survey White building
Name of Surveyor Malcolm

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>Constance H.</u>	<u>Hull</u> <u>British</u>	<u>162205</u>			<u>+100A1 "Carrying Petroleum in Bulk"</u> <u>(contemplated)</u>

LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
<u>119.9</u>	<u>17.1</u>	<u>7.15</u>	<u>118.75</u>
<u>120</u>	Frame Depth <u>4</u> Rule <u>2 1/2</u> <u>x 2 = 5</u> <u>+ 25</u>	Ceiling <u>+ .15</u> Sheer <u>+ .20</u>	Peak <u>1 incl.</u> Tanks <u>High Room</u> <u>2.8 space</u> <u>+ .8 tons</u>
<u>120.0</u>	<u>17.1</u>	<u>7.50</u>	<u>119.55</u>

Moulded Depth as measured..... 7'-9 1/2"
Addition for Keel below base line for draught record..... 3/4 inches.

NOTE. - If the depth is measured when vessel is afloat, the details of measurement should be reported.
7'-9 1/2"
8'-2 1/2"
1'-0"
7'-2 1/2"

Co-efficient of fineness..... .777
Any modification necessary {
Para. 4 (a) to (e)* }
Co-efficient as corrected78

CORRECTION FOR LENGTH.
Length of Ship on Loadline..... 120'-0"
Length in Table 93.5'
Difference 26.5'
Correction for 10ft., Table A.8 Table C. .4
x Difference divided by 10 2.12 (if required.) 1.06
If 1/10ths length covered divide by 2 + 2 + 1"

Sheer { Stem..... 33.5'
at { Sternpost 27.25' } 60.75' ÷ 2 = 30.37' Mean
Sheer at 1/2 of the length from { Stem 17.125'
Sternpost 15.25' } 32.37' ÷ 2 = 16.18' Mean
Gradual mean Sheer 16.18' ÷ 55 = 29.43
Standard mean Sheer [Table, Para. 18] 13.20 Correction
Difference..... 2.98 ÷ 4 = .74
§ If limited as Para. 18 (f) - 3/4

Correction for IRON DECK. no wood deck.
Proportion covered, if less than 1/10ths length covered687
Thickness of usual wood deck, less stringer 3'-28"
- 2.57' = - 2 1/2"

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..... 17'-0"
Round of Beam 5"
Normal round..... 4 1/4
Difference 3/4 ÷ 2 = 3/8
Proportion of Deck uncovered (Para. 19)313
- .117

ALLOWANCE FOR DECK ERECTIONS :-
Freeboard, Table C..... 0'-1 1/2
Correction for Length, if required (Para. 12, 13, and 14) + 1
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) }
Difference 1'-2 1/2
Percentage as below..... 21.78%
2.61

Freeboard, Table A 1'-0 1/2
Correction for Sheer - 3/4
Correction for Length 0'-11 3/4
Allowance for Deck Erections + 2
Correction for Round of Beam..... 1'-1 3/4
Correction for fall in Sheer (if any)..... - 2 1/2
Correction for Steel Deck (if required) 0'-8 3/4

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections
Trunk: - 61.7 x 9.5 x 8 x 1/2 = 13.79
Length. Length allowed. Height.
Forecastle..... 16' 16.0 x 3.5 = 9.383' 3'-6"
Bridge House..... 32' 23.0' 2'-3"
Raised Qr. Dk..... 32' 23.0' 2'-3"
Total 109.7 56.55 46.12
Length of Ship 120.0 120.0
Corresponding percentage { 24.56 x 6 + { 2.25 x 4 } = .6 + .287 = .887
(Para. 11, 12, 13, and 14) } 24.56 x .887 = 21.78%

Correction for non-compliance with provisions of }
Para. 11 (d) and (e) }
Other Corrections (if any) }

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-
Fresh Water Line above centre of Disc
Indian Summer Line
Winter Line below
Winter North Atlantic Line

Winter Freeboard 0'-8 3/4
Summer Freeboard (1-2) 1 1/2
Indian Summer Freeboard
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. + 3/4

31 OCT 1930

Winter Freeboard from deck line 0'-9 1/2
Summer " " " 0'-8
Indian Summer " " "
N. A. Winter " " "
29.10.30

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? ☒ Raised Quarter Deck? *Yes* Bridge House? ☒ Forecastle? ☒
 What height do the Reverse Frames extend? ☒
 Is 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 *no openings*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end? ☒
 Give particulars of the means for closing the openings in Bulkhead ☒
 What is the thickness of the Bridge Front plating? ☒ and Coaming plate? ☒
 Give scantlings and spacing of the Stiffeners ☒
 Are bracket plates fitted at each end of the Stiffeners? ☒ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? ☒
 Has the Bridge House an efficient Iron Bulkhead at the after end? ☒
 How are the openings closed? ☒
 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? ☒
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Raised Quarter Deck & Steel Casings*
 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 ☒
 What is the height of the exposed Casings? ☒ Are suitable means provided for closing all openings in them in bad weather? ☒
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of the Rules? Give particulars below:—

Position.										
Size.										
COAMING.	Height above top of DECK	<i>bilge hatchways 24" x 18", Coamings 9" B.A.</i>								
Thickness	Sides.....									
	Ends.....									
SHIFTING BEAMS OR WEB PLATES.	Number									
	Section and Scantlings									
	Material									
* FORE AND AFTERS.	Number									
	Section and Scantlings									
	Material									
HATCHES	Thickness									
	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 keel 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 *open — rails fitted* ☒

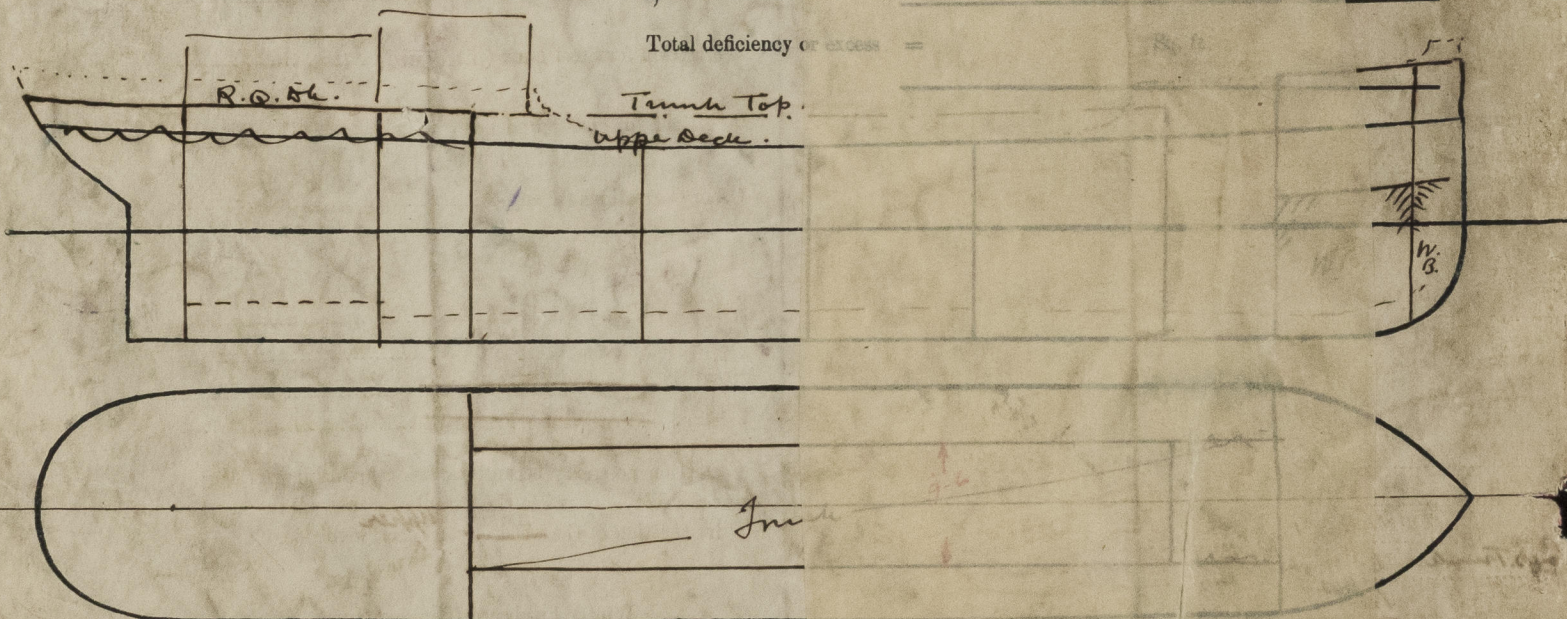
Area of Freeing Ports required by Para. 11 (e) each side of vessel

Ft. Tenths. Ft. Tenths. No.

× ×
 × ×

Freeing Ports
 (each side of vessel)

Total deficiency or excess =



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 *Messrs John Harker & Co. 38.*

Names of sister vessels

Owners *Messrs John Harker & Co.*

Address *Knottingley.*

Fee £ *1* : *13* : *4*

Received by me *See F.B.*



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