

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD - STEAM SHIPS.

Particulars relating to ~~the~~ STEAM SHIP, EITHER FLUSH DECKED, OR WITH
FOR 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.

J.L. THOMPSONS & SONS. YARD No 543

Port of Survey SunderlandDate of Survey Sept 26th 1921Name of Surveyor W.P. Collings

Ship's Name	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>"Hage"</u>	<u>Melbourne</u>		<u>4655</u>	<u>1921</u>	<u>100 A 1. Contemplated.</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>364.5</u>	<u>52.80</u>	<u>24.35</u>	<u>3608.47</u>
Length on LOADLINE.	<u>363.42</u>	Frame Depth <u>11</u> Rule <u>5 1/2</u> <u>2 x 5 1/2 = -92</u> <u>No cargo battens +33</u>	Ceiling <u>Fitted</u> Sheer <u>+80</u> <u>Bank top level.</u>	Peak <u>Incl.</u> Tanks <u>+9.5 tons say</u> <u>for 13" frames</u> <u>in after Hold</u>
CORRECTED DIMENSIONS.	<u>363.42</u>	<u>52.21</u>	<u>25.15</u>	<u>3617.97</u>

Co-efficient of fineness..... .758
Any modification necessary [Para. 4 (a) to (e)]* -02 Cell D.B.
Co-efficient as corrected74 ✓

Sheer { Stem..... 124 } 152 ÷ 2 = 76 ... Mean 28.86 = +80
at { Sternpost ... 28 }
Sheer at 1/3 of the length from { Stem 75.5 } 82.75 ÷ 2 = 41.37 ... Mean 55.9 = 75.2
Sternpost 7.25
Gradual mean Sheer 75.2
Standard mean Sheer [Table, Para. 18] 46.34 Correction
Difference..... 28.86 ÷ 4 = 7.21 ✓
§ If limited as Para. 18 (f) -7 1/4"

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

Fall in Sheer { Para. 18 (d) } .66 ÷ 2 = .33
Length uncovered Covered Correction ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 3'-x0 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) (11) 5'-6 1/2
Difference 2" 5/4
Percentage as below..... 50.80%
50.80 x 29.25 = 14.85
100

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) -14 3/4
Allowance for Deck Erections = -15

	Length.	Length allowed.	Height.
Forecastle.....	<u>27.91 + 2.25 overhang.</u>	<u>30.16</u>	<u>8.0</u>
Long Poop.....	<u>213.00 + 2.50</u>	<u>214.25</u>	<u>8.0</u>
Bridge House.....			
† Raised Q. Dk.....			

Peop.....
Total 243.16 = .67, 244.41 = .672 ✓
Length of Ship 363.41 363.41
Corresponding percentage { (Para. 11, 12, 13, and 14) } 50.80 ✓

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

<u>28.9-21</u>	Fresh Water Line	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.
† 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..... 26'-8"Addition for Keel below base line for draught record..... 2 1/2 inches.

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 363.41
Length in Table 320.00
Difference 43.41
Correction for 10ft., Table A.14 Table C. ✓
× Difference divided by 10 6.08 (if required.)
If 1/10ths length covered divide by 2 3.04 = +3" ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered64 and winch platforms
Thickness of usual wood deck, less stringer 4-.68 = -3 1/2
= 3.32 3 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 52.5
Round of Beam 13 1/2
Normal round..... 13 1/8
Difference 3/8 ÷ 2 = 3/16
Proportion of Deck uncovered (Para. 19) 2.2

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

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

Winter Freeboard 4' 2 3/4 3
Summer Freeboard 4 3/4 (4 1/2) 3' 10 1/4
Indian Summer Freeboard 3' 5 1/2 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 iron deck with side. + 1 3/4

Winter Freeboard from deck line 4' 4 1/2
Summer " " " 4' 0
Indian Summer " " " 3' 7 1/2 1/2
N. A. Winter " " " ✓

Winter Freeboard from deck line 4' 0"Summer " " " 6"Indian Summer " " " 5"N. A. Winter " " " 4 1/2

† 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? *yes* Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *Bull angle frames, fitted with reverse frames to Poop deck in after Hold*
 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 *yes*
 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 *Hinged w.o. steel doors + 3 side lights with solid dead lights*
 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 52 Bull angles 25 1/2 to 30" apart*
 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? *yes*
 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? *By a Bridge*
 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.		No. 1-34'-0" x 24'-0"		No. 2-35'-0" x 24'-0"		No. 3-7'-6" x 24'-0"		No. 4-35'-0" x 24'-0"		No. 5-35'-0" x 24'-0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
	Sides.....	.50"	.50"	.50"	.50"	.50"	.50"	.50"	.50"	.50"	.50"
	Ends.....	.46"	.46"	.46"	.46"	.46"	.46"	.46"	.46"	.46"	.46"
SHIFTING BEAMS OR WEB PLATES.	Number	7	7	7	7	one	one	7	7	7	7
	Section and Scantlings	P. 19 x 40	P. 19 x 40	as for No. 1	as for No. 1	A. 18 x 40	P. 18 x 40	as for No. 1	as for No. 1	as for No. 1	as for No. 1
	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
* FORE AND AFTERS.	Number	—	NO	FORE	AND	AFTERS	—	—	—	—	—
	Section and Scantlings	—	—	—	—	—	—	—	—	—	—
	Material	—	—	—	—	—	—	—	—	—	—
HATCHES Thickness		3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
Remarks.....		Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

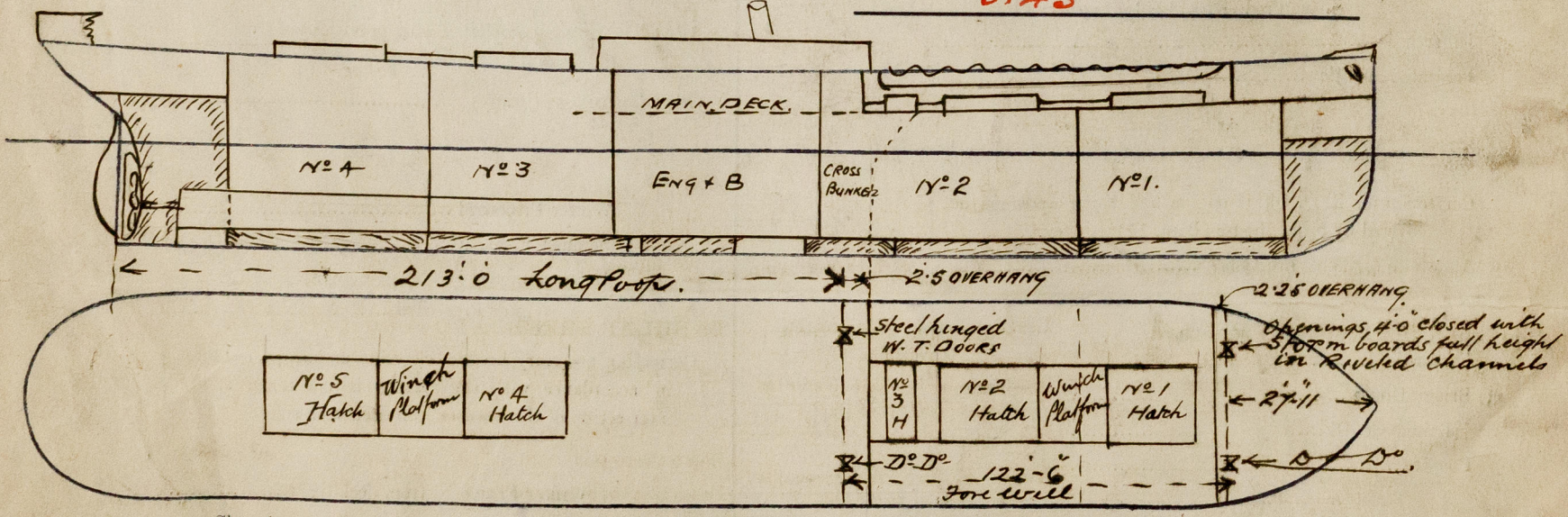
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge 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? *.66* Strake between Main and Bridge Sheerstrakes? *.66*

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.* *well over 60 ft.*

Length of Bulwarks in well *122.5 ft. 117.75*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *23.55* Sq. ft.
 Ft. Tenth. Ft. Tenth. No. } Freeing Ports (each side of vessel) = *24.0* Sq. ft.
3.0 x 1.5 x 6
 Total deficiency or excess = *2.5* Sq. ft.
3.45



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 *This vessel has been built in accordance with the approved plans, and is similar to the same Builders ss. Aslaug Haaland No. 28018, plans of which are in the London office.*
The freeboard request form also displ. & tons per inch scale. known

Owners *O. J. Tennevold.*
 Address *Gronstad. Norway.*

Fee £ *10.0.0*
 Debarged with F.E. fee Received by me

