

WED. 26 OCT. 1921

Index No. 30261
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAM SHIPS.

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 *Falmouth*
Date of Survey *10, 18 & 21 October 1921*
Name of Surveyor *J. H. Landry*

Ship's Name *"Hendland"*
Number in Register Book *35070*
Port of Registry and Nationality *British*
Official Number *145052*
Gross Tonnage *1144.46*
Date of Build *1919*
Particulars of Classification *100 A Contemplated with freeboard*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	520	64.2	29.0	10225
Length on LOADLINE.	520			
CORRECTED DIMENSIONS.	520.0	63.53	39.59	10211

Efficient of fineness..... *.48*
Any modification necessary [Para. 4 (a) to (e)]* *C.D.B.*
Efficient as corrected..... *.46*

Mean Depth as measured *35.3*
Addition for Keel below base line *1.2*
for draught record *36.5*
Moulded Depth *35.3*
Correction for Length..... *520.0*
Length in Table..... *495.84*
Difference..... *24.13*
Correction for 10ft., Table A..... *1.4* Table C.
× Difference divided by 10..... *4.10* (if required.)
If 1/10ths length covered divide by 2 *2.05 + 2"*

Correction for Length..... *520.0*
Length in Table..... *495.84*
Difference..... *24.13*
Correction for 10ft., Table A..... *1.4* Table C.
× Difference divided by 10..... *4.10* (if required.)
If 1/10ths length covered divide by 2 *2.05 + 2"*

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *520.0*
Length in Table..... *495.84*
Difference..... *24.13*
Correction for 10ft., Table A..... *1.4* Table C.
× Difference divided by 10..... *4.10* (if required.)
If 1/10ths length covered divide by 2 *2.05 + 2"*

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered..... *.693*
Thickness of usual wood deck, less stringer..... *3 1/2"*

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *63.0*
Round of Beam..... *1" 1.13"*
Normal round..... *15.75*
Difference..... *2.75 ÷ 2 = 1.375*
Proportion of Deck uncovered (Para. 19)..... *.304 - .42 + 1/2*

Rise in Sheer { At front of bridge house..... *1/2*
from amidships {
Para. 18 (e) { At after end of forecastle..... *8.2*
Fall in Sheer {
Para. 18 (d) {
Length uncovered.....
Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... *(11'-11") - (3'-2") 8'-9"*
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'-1"*
Difference..... *2'-4"*
Percentage as below..... *49.3%*
13.80

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

Allowance for Deck Erections..... *1'-1 3/4"*

	Length.	Length allowed.	Height.
Forecastle.....	<i>43.44</i>	<i>43.33</i>	<i>7.5</i>
Bridge House.....	<i>252.0</i>	<i>252.00</i>	<i>7.9</i>
Raised Qr. Dk.....	<i>65.2</i>	<i>65.17</i>	<i>7.9</i>
Poop.....	<i>182.3</i>	<i>182.3</i>	<i>7.9</i>
Total.....	<i>520.0</i>	<i>520.0</i>	<i>7.9</i>
Length of Ship.....	<i>520.0</i>	<i>520.0</i>	<i>7.9</i>
Corresponding percentage (Para. 12, 13, and 14).....	<i>49.3%</i>		

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, *Wood* (Iron) Deck :-

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

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.

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 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.

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? *Yes*

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 *1 wood hinged door + 1 hinged iron door*

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 *No openings*

What is the thickness of the Bridge Front plating? *8/20* and Coaming plate? *No coaming plate, boundary angle 6 x 3 1/2 x 9/16*

Give scantlings and spacing of the Stiffeners *4 x 2 1/2 built 6/16, 2 x 6 apart bracket top & bottom, 2 bulkheads extend 10 ft from deck to*

Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *No*

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

How are the openings closed? *with weather boarding 3 thick in channel bars each end 4 x 2 1/2*

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

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Bridge deck with iron engine room skylight + fiddly over plate*

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *There is a steel casing fitted around funnel on*

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 Section 28 of the Rules for 1904-5? Give particulars below:—

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:—											
No 1 Hatchway on Fore 16.4 x 12.8. No 2 Hatchway on Fore 16.4 x 12.8. No 3 Hatchway on Fore 16.4 x 12.8. No 4 Hatchway on Fore 16.4 x 12.8. No 5 Hatchway on Fore 16.4 x 12.8. No 6 Hatchway on Fore 16.4 x 12.8. No 7 Hatchway on Fore 16.4 x 12.8. No 8 Hatchway on Fore 16.4 x 12.8. No 9 Hatchway on Fore 16.4 x 12.8. No 10 Hatchway on Fore 16.4 x 12.8. No 11 Hatchway on Fore 16.4 x 12.8. No 12 Hatchway on Fore 16.4 x 12.8. No 13 Hatchway on Fore 16.4 x 12.8. No 14 Hatchway on Fore 16.4 x 12.8. No 15 Hatchway on Fore 16.4 x 12.8. No 16 Hatchway on Fore 16.4 x 12.8. No 17 Hatchway on Fore 16.4 x 12.8. No 18 Hatchway on Fore 16.4 x 12.8. No 19 Hatchway on Fore 16.4 x 12.8. No 20 Hatchway on Fore 16.4 x 12.8. No 21 Hatchway on Fore 16.4 x 12.8. No 22 Hatchway on Fore 16.4 x 12.8. No 23 Hatchway on Fore 16.4 x 12.8. No 24 Hatchway on Fore 16.4 x 12.8. No 25 Hatchway on Fore 16.4 x 12.8. No 26 Hatchway on Fore 16.4 x 12.8. No 27 Hatchway on Fore 16.4 x 12.8. No 28 Hatchway on Fore 16.4 x 12.8. 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* 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? *12/16* Strake between Main and Bridge Sheerstrakes? *joining 11/16*

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. on upper deck main

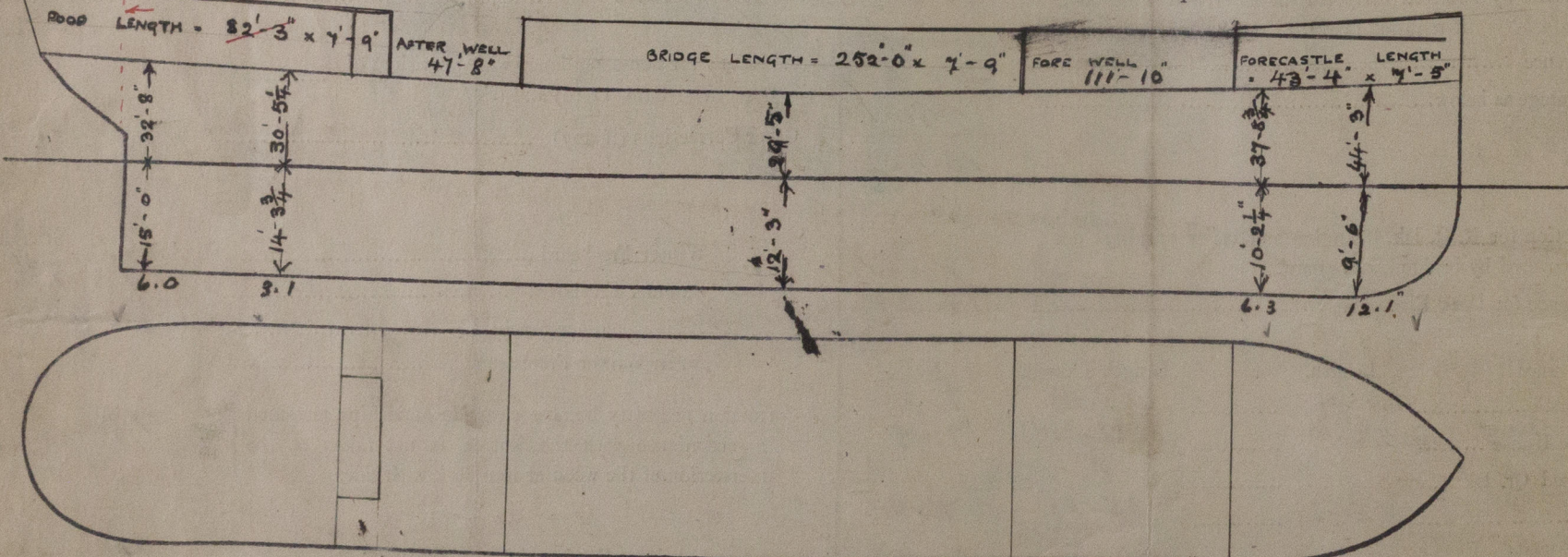
Length of Bulwarks in well *Fore well open with iron stanchion + guard rods for 18.0 long. After well open for 29.0.*

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.

(70'-0" x 11'-0") x 11'-0" = 8400 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 *This vessel is a well built steamer, and hope the survey for classing as far as can be carried out here is near completion, and to be shifted to some other Port for dry docking, will be glad to receive the Freeboard Owners Federal Steam Nav Comp Ltd*

Address *Pen Church Avenue London E.C. 3*

Received by me *See F. & Report*