

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD. STEAM SHIPS.

No. 28859

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 Sunderland
Date of Survey July 9th 1924
Name of Surveyor W.P. HollingsShip's Name.
"MERVYN"Port of Registry
and Nationality.Official
Number.Gross
Tonnage.

Date of Build.

Particulars of Classification.

Number in Register Book

Newport1456473401.941924100 A1(Contemplated)

Revised Rules.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>334.4</u>	<u>48.0</u>	<u>22.55</u>	<u>3039.13</u>
Length on LOADLINE.	<u>334</u>	mean Frame Depth <u>10 3/4</u> no Ceiling + <u>20</u> Rule " <u>5 1/2</u> Sheer + <u>93</u> <u>5 1/2</u> x 2 = <u>-8 1/2</u> Tank top no framing + <u>33</u>	Peak Tanks } incl. <u>no</u> Ceiling + <u>20</u> Sheer + <u>93</u> Tank top level.	
CORRECTED DIMENSIONS.	<u>334</u>	<u>47.4</u>	<u>23.68</u>	<u>3039.13</u>

Moulded Depth as measured.....25'-0"Addition for Keel below base line for draught record...1 1/4 inches.

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

25-11
3-4 1/2
22-6 1/2

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>334.0</u>
Length in Table	<u>300.0</u>
Difference	<u>34.0</u>
Correction for 10ft., Table A.....	<u>1.3</u> Table C. <u>1.4</u>
x Difference divided by 10	<u>4.81</u> (if required.) <u>2.59</u>
If 1/10ths length covered divide by 2	<u>+4 3/4</u> <u>+2 1/2</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>44.7</u> <u>.78</u>
Thickness of usual wood deck, less stringer	<u>3 1/2</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>46.11</u>
Round of Beam	<u>11"</u>
Normal round.....	<u>11.75</u>
Difference	<u>.75</u> ÷ 2 = <u>.375</u>
Proportion of Deck uncovered (Para. 19)	<u>.464</u> <u>.177</u> <u>+ 1/4</u>

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

Co-efficient of fineness......80 .802
Any modification necessary } .02 .028
[Para. 4 (a) to (e)]* }
Co-efficient as corrected78Sheer { Stem.....102 } 156 ÷ 2 = 78 ...Mean
at { Sternpost ... 54 } 93Sheer at 1/2 of the length from { Stem 56 } 85 ÷ 2 = 42.5 ...Mean
Sternpost 29 56Gradual mean Sheer77.24 .55 = 77.27Standard mean Sheer [Table, Para. 18]43.70 CorrectionDifference.....33.54 ÷ 4 = 8.39§ If limited as Para. 18 (f)- 8 1/2Rise 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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>2'- 7 1/2"</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>+ 2 1/2"</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>2'- 10"</u>
Difference	<u>5'- 3 1/4"</u>
Percentage as below.....	<u>2'- 5 1/4"</u>

Forward Trunk 20.5 x 31.09 = 641(1) 32.0 x 1.31 x 26.0 x 10/10 = 2.85(2) 50.12 x 1.21 x 29.0 x 10/10 = 4.94

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

Allowance for Deck Erections 9 1/4 10 1/4(1) 32.79 x 1.31 x 29.0 x 10/10 = 3.26(2) 50.0 x 1.21 x 27.5 x 10/10 = 4.68Forecastle.....28.0 28.0 4-0Trunk (Forward) 82.12 excluding 4.3 7.9Bridge House.....106.3 overhanging aft. 109.44 7-6Trunk (Aft) 82.79 7.94Poop.....26.10 26.10 7-6Total161.1 180.0Length of Ship334 334Corresponding percentage } 31.09 34.88%

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 " " " " " " " " " " " "

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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 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 sternpost.

Other Corrections (if any) for deep hatchways being formed into an efficient trunk, connected to bridge house, incorporated into the longitudinal strength of vessel, side framing, continuous at hatch covers, plating for 6 ft. length on each side of platingWinter Freeboard increased .02 in thicknessSummer Freeboard14'- 2" 1/4Indian Summer Freeboard3'- 9 1/4N.A. Winter Freeboard3'- 5 1/4Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side. } + 1 3/4Winter Freeboard from deck line4'- 3 1/4Summer " " " "3'- 11 1/4Indian Summer " " " "3'- 2 1/4N.A. Winter " " " "3'- 11 1/4Fresh Water Line5 3/4 5 3/4Indian Summer Line4 4 1/2Winter Line4 1/2 4 1/2Winter North Atlantic Line4 4

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.

MARKING FORM

RECEIVED 19 JUL 1924

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1200-22-0021

Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes* Rpt. 11
 To what height do the Reverse Frames extend? *Bulb angle framing*
 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 *strong hinged doors (wood)*
 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 *2 strong hinged doors (steel)*
 What is the thickness of the Bridge Front plating? *1/4"* and Coaming plate? *1/4"*
 Give scantlings and spacing of the Stiffeners *8x3x40 B.R. @ 30" horizontal channel connecting bridge front to hatchway*
 Are bracket plates fitted at each end of the Stiffeners? *yes outside hatchway* 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? *storm boards in riveted channels full height*
 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? *Covered by a Poop*
 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
 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 - 35-1/2 x 24-6 1/2 x 20-0		No 2 - 35-1/2 x 27-6		No 3 - 36-1/2 x 28-6		No 4 - 36-1/2 x 27-6		No 5 - 36-1/2 x 26-9 1/2 x 23-0	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	3'-6"	3'-6"	3'-6"	3'-6"	2'-6"	2'-6"	3'-6"	3'-6"	3'-6"	3'-6"
Thickness { Sides.....	.60	.60	.82+24x60	.80+24x60	.50	.44	.82+24x60	.80+24x60	.60	.60
Ends.....	.44	.44	doubling	doubling	.44	.44	doubling	doubling	.44	.44
SHIFTING BEAMS OR WEB PLATES. Number	nil		nil		nil		nil		nil	
Section and Scantlings	nil		nil		nil		nil		nil	
Material	nil		nil		nil		nil		nil	
FORE AND AFTERS. Number	5	5	5	5	3	3	5	5	5	5
Section and Scantlings	26 1/8 x 40	26 1/8 x 40	25 x 40	25 x 40	21 x 39	21 x 39	25 x 40	25 x 40	23 1/2 x 40	23 1/2 x 40
Material	6 1/2 x 3 1/2 x 40	6 1/2 x 3 1/2 x 40	7 x 3 1/2 x 52	7 x 3 1/2 x 48	6 x 3 1/2 x 48	6 x 3 1/2 x 48	7 x 3 1/2 x 48	7 x 3 1/2 x 48	6 1/2 x 3 1/2 x 46	6 1/2 x 3 1/2 x 46
HATCHES Thickness	3	3	3	3	3	3	3	3	3	3
Remarks.....	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? *Strake between Main and Bridge Sheerstrakes?*

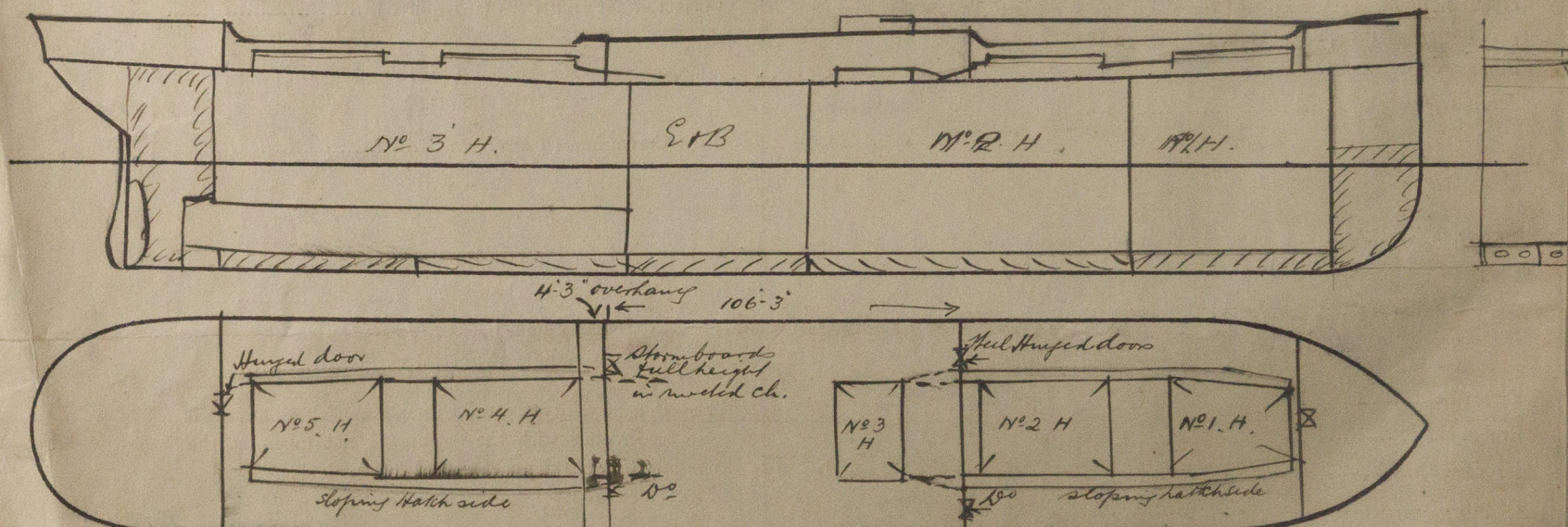
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well *F. Well. 84.62 x 4.0. Aft. Well. 91.37 x 4.0 = 703.96*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *70.39* Sq. ft.

	Ft. Tenth.	Ft. Tenth.	No.	
<i>F. Well</i>	3.82	2.0	5	Freeing Ports (each side of vessel) = <i>71.00</i> Sq. ft.
<i>A. Well</i>	4.16	2.0	5	

Total deficiency or excess = *.61* 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 has sloping hatchsides formed into an efficient trunk in connected to the Bridge house incorporated into the longitudinal structure of the vessel, the side plating, Bridge side plating increased .02 in

Builder's name and yard number *R. Thompson Sons Ltd. No 321, Displ. Scale 1500 per inch*

Names of sister vessels *Request form has been handed to the Board Office by the Builders representative.*

Owners *Mervyn Stm. Shpg. Co. Ltd. (Martyn Martyn & Co. Engrs)*

Address *Exchange Buildings Cardiff.*

Fee £ *9* Will be charged on completion

Received by me

See T.C. Report.

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