

14 SEP 1929

Index No. 33423
(For London Office only.)

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD, STEAM SHIPS.

GREENOCK REPORT No. 19092

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 Greenock
Date of Survey Building
Name of Surveyor R. Dumbreit

Ship's Name. NIGHT OF ST MICHAEL	Port of Registry and Nationality. <u>NEWPORT.</u> <u>U.K.</u>	Official Number. <u>145656</u>	Gross Tonnage.	Date of Build. <u>BUILDING.</u>	Particulars of Classification. 100A1 (contemplated).
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Registered Length from Register. <u>352.5</u>	BREADTH. <u>50.5</u>	DEPTH. <u>25.0</u>	UNDER DECK TONNAGE. <u>3559.36</u>
Length on LOADLINE. <u>351.33</u>	Frame Depth <u>8'</u> Rule <u>6"</u> $\frac{2 \times 2}{12} = -.33$ <u>SPARRING FITTED.</u>	No Ceiling <u>+ .20</u> Sheer <u>+ .37</u>	Peak } INCLUDED Tanks } CORR' FOR 9" FRS <u>+ 5.7 TONS.</u> 0° 12" FRS L.A.B. SPACE <u>+ 7.3 TONS.</u> 0° 7" T.D. FRS <u>- 1.5</u>
Corrected Lengths. <u>351.33</u>	<u>50.17</u>	<u>25.57</u>	<u>3570.86</u>

Moulded Depth as measured..... 27'-3"
Addition for Keel below base line for draught record..... 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.....	<u>351.33</u>
Length in Table	<u>327.0</u>
Difference	<u>24.33</u>
Correction for 10ft., Table A.	<u>1.4</u>
Table C.	<u>.7</u>
× Difference divided by 10	<u>3.40</u> (if required.) <u>1.7</u>
If 1/10ths length covered divide by 2	<u>+ 3.2</u> <u>+ 1.75</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>51.19%</u>
Thickness of usual wood deck, less stringer	<u>2.2</u>
	<u>- 1.7</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>49.25</u>
Round of Beam	<u>13</u>
Normal round.....	<u>12.31</u>
Difference	<u>.69</u> ÷ 2 = <u>.34</u>
Proportion of Deck uncovered (Para. 19)	<u>.488</u>
	<u>= .16 = - 1/4"</u>

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

Efficient of fineness..... .7923
Modification necessary } -.02 Cell 10. Bottom.
[Para. 4 (a) to (e)]* }
Efficient as corrected77

Stem..... 78"
Sternpost ... 39"
 $114 \div 2 = 57$ Mean

at 1/8 of the length from { Stem 42.9
Sternpost 21.45 } $64.35 \div 2 = 32.175$ Mean

Mean Sheer 58.5 $\div .55 = 58.5$
Standard mean Sheer [Table, Para. 18] 45.133 Correction
Difference..... 13.367 ÷ 4 = 3.341
Limited as Para. 18 (f) - 3.4

Fall in Sheer { At front of bridge house.....
amidships }
Para. 18 (e) { At after end of forecastle

Fall in Sheer }
Para. 18 (d) { ÷ 2 =
Deck uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>3' . 4 3/4"</u>
Correction for Length, if required (Para. 12, N, and M)	<u>+ 1 3/4"</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. N, 12, N, and M)	<u>6' . 5 3/4"</u>
Difference	<u>2' . 11 1/4"</u>
Percentage as below.....	<u>32.95%</u>
	<u>11.615</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	<u>✓</u>
Allowance for Deck Erections	<u>- 11 1/2"</u>

Forecastle.....	Length. <u>38.08</u>	Length allowed. <u>38.08</u>	Height. <u>7'-6"</u>
Bridge House	<u>107.5</u>	<u>107.5</u>	<u>7'-6"</u>
Raised Qr. Dk.....			
	<u>34.25</u>	<u>34.25</u>	<u>7'-6"</u>
Total	<u>179.83</u>		
Length of Ship	<u>351.33</u>		<u>= 51.19%</u>
Corresponding percentage {	<u>32.95%</u>		
Para. N, 12, N, or M) }			

Freeboard, Table A	<u>6' . 5 1/2"</u>
Correction for Sheer	<u>- 3 1/4"</u>
	<u>6' . 2 1/4"</u>
Correction for Length	<u>+ 3 1/2"</u>
	<u>6' . 5 3/4"</u>
Allowance for Deck Erections	<u>- 11 1/2"</u>
	<u>5' . 6 1/4"</u>
Correction for Round of Beam.....	<u>- 1/4</u>
	<u>5' - 6</u>
Correction for fall in Sheer (if any).....	<u>✓</u>
Correction for Steel Deck (if required)	<u>- 1 1/4"</u>
	<u>5' . 4 3/4"</u>

Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>✓</u>
Other Corrections (if any)	<u>✓</u>
Winter Freeboard	<u>5' . 4 3/4"</u>
Summer Freeboard (<u>4' - 5 1/2"</u>) <u>4' . 4 3/4"</u>	<u>4' . 11 1/2"</u>
Indian Summer Freeboard	<u>4' . 6 3/4"</u>
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. + 1 3/4"

Winter Freeboard from deck line	<u>5' . 6 1/4"</u>
Summer " " " "	<u>5' . 1 1/4"</u>
Indian Summer " " " "	<u>4' . 8 1/2"</u>
N. A. Winter " " " "	

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

Fresh Water Line	above centre of Disc	5' . 1"
Indian Summer Line	" " "	6"
Winter Line	below " "	4 1/2"
Winter North Atlantic Line	" " "	5"

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.

MOULDED DISPLACEMENT AT 85% MOULDED DEPTH 9100 TONS.

FULL DISPLACEMENT S.W. AT LOAD DRAUGHT. 8826

TONS PER INCH 35.6

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.

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W368-0018

F.W. = 8826 / 40 + 35.6 = 6.2



Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bull Angle Framing fitted.*
 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 *Shifting boards full height of opening & fitted in channels pivoted to bulkhead*
 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 *Bolted plates secured with tap bolts through bulkhead plating & spaced*
 What is the thickness of the Bridge Front plating? *#0* and Coaming plate? *#H*
 Give scantlings and spacing of the Stiffeners *8 1/2 x 3 x 50 B.A. Spaced 30"*
 Are ^{Lugs} 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? *Shifting boards full height of openings & fitted in channels pivoted to bulkhead.*
 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? *STEEL*
 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 Bridge.*
 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 Section 28 of the Rules for 1904-5? Give particulars below: *Yes.*

UPPER DECK HATCHES

Position and Size.	No 1 HATCH 24'-9" x 18'-0"		No 2 HATCH 30'-0" x 18'-0"		No 3 HATCH 30'-0" x 18'-0"		No 4 HATCH 25'-0" x 18'-0"		17'-6" x 18'-0"
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING									
Height above top of DECK	36"		36"		36"		36"		30"
Thickness	Sides	#H	#H		#H		#H		#H
	Ends	#H	#H		#H		#H		#H
SHIFTING BEAMS OR WEB PLATES.	Number	4	5		5		4		2
	Section and Scantlings	PLATE 16" x 36"	16" x 36"		16" x 36"		16" x 36"		16" x 36"
	Material	ANG ² T & B. 4 x 3 x #H	4 x 3 x #H		4 x 3 x #H		4 x 3 x #H		4 x 3 x #H
* FORE AND AFTERS.	Number		Lo	fore & afters					
	Section and Scantlings								
	Material								
HATCHES Thickness			2 1/2"	Solid Covers					
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 deck at side amidships to lower edge of lowest side scuttle.)

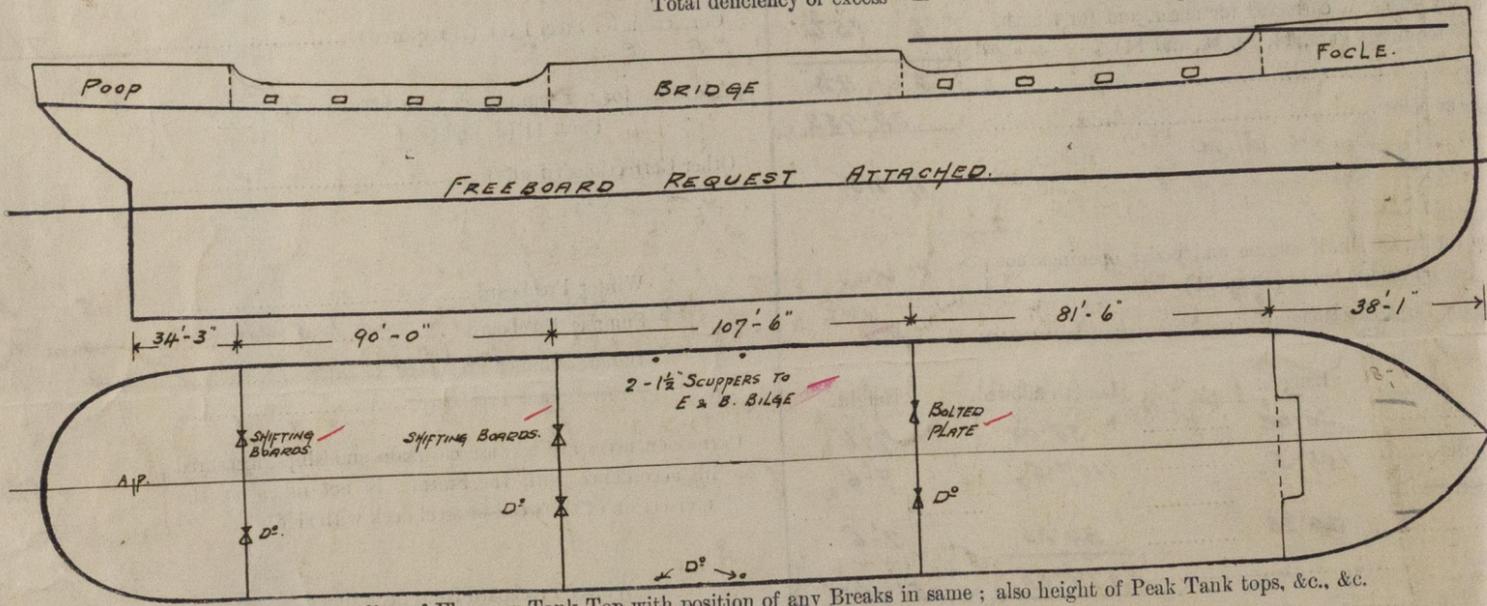
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rule

What is the thickness of the Bridge Sheerstrake? Strake between Main and Bridge Sheerstrakes?

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

Length of Bulwarks in well	FOR ² 81'-6"	AFT 90'-0"					
Area of Freeing Ports required by Para. 11 (e) each side of vessel					FOR ² 16.3 Sq ft	AFT 18.0 Sq. ft.	
Ft. Tenths.	Ft. Tenths.	No.			FOR ² 21.0 Sq ft	AFT 21.0 Sq. ft.	
FOR ²	3.5	x	1.5	x	4		
AFT.	3.5	x	1.5	x	4		
Total deficiency or excess						=	✓

for class only



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 approval of midship Section & Profile & Becks forwarded herewith for reference.*

Builder's name and yard number *Lithgows Limited No 828.*

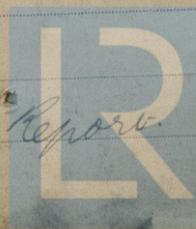
Names of sister vessels *S.S. "Knight of St George." Grk Freeb. Rep No 19078*

Owners *Pardee - Thomas & Co.*

Address

Est Rec £ 8 : 5 : 0

Received by me *See G.L. Report.*



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