

# VERIFICATION REPORT.

FORM No. 9 ATTACHED.

Index No. 33256  
(For London Office only) 31 OCT 1929

## Lloyd's Register of Shipping.

### SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No 30178

ARTICULARS RELATING TO STEAM SHIP, EITHER FLUSH DECKED, OR WITH  
OF GALLANT FORECASTLE, SHORT POOPS AND BRIDGE HOUSE, DISCONNECTED, OR  
WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECK,  
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey *Sunderland*  
Date of Survey *White Building*  
Name of Surveyor *James Dickie*

Particulars of Classification.

100A1. CONTEMPLATED.

Ship's Name. <i>S. TORCHBEARER.</i>	Port of Registry and Nationality. <i>LONDON BRITISH.</i>	Official Number. <i>161324.</i>	Gross Tonnage. <i>✓</i>	Date of Build. <i>1929</i>
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Registered Dimensions from Ship's Register.	LENGTH. <i>225.0</i>	BREADTH. <i>36.0</i>	DEPTH. <i>15.30</i>	UNDER DECK TONNAGE. <i>969.86</i>
Length on LOADLINE.	<i>224.70</i>	MEAN Frame Depth <i>7.10</i> Rule <i>42</i> <i>2 1/2 x 2 = .42</i> <i>NO CARGO</i> <i>BATTENS 435</i>	Ceiling <i>+20</i> Sheer <i>+03</i> <i>LEVEL TANK.</i>	Peak <i>included</i> Tanks <i>+5.51 tons for raised tank aff.</i> <i>-2.25 tons for raised tank aff.</i> <i>in bulk room.</i>
CORRECTED DIMENSIONS.	<i>224.70</i>	<i>35.91</i>	<i>15.503</i>	<i>973.39</i>

Moulded Depth as measured..... *19.3 1/2*  
TO UPPER DECK.

Addition for Keel below base line for draught record... *1 1/4* 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..... *224.7*  
Length in Table ..... *207.5*  
Difference ..... *17.2*  
Correction for 10ft., Table A. .... *1.1* Table C.  
× Difference divided by 10 ..... *1.892* (if required.)  
If 1/10ths length covered divide by 2 *.946* + *1*

#### CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered ..... *4 1/2*  
Thickness of usual wood deck, less stringer ..... *-3 1/2*

#### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *35.5*  
Round of Beam ..... *8.75*  
Normal round..... *8.87*  
Difference ..... *.12* ÷ 2 = ..... *.06*  
Proportion of Deck uncovered (Para. 19) .....

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

Co-efficient of fineness..... *.778*  
Any modification necessary [Para. 4 (a) to (e)]\*  
Co-efficient as corrected ..... *.76*

Sheer { Stem..... *45* } *66* ÷ 2 = *33* ... Mean  
at { Sternpost ... *21* }

Sheer at 1/3 of the length from { Stem *25 1/4* } *37* ÷ 2 = *18.50* ... Mean  
{ Sternpost *11 1/4* } *55* = *33.63*

Gradual mean Sheer ..... *33 + 33.63 = 33.31*  
Standard mean Sheer [Table, Para. 18] ..... *32.47* Correction  
Difference..... *.84* ÷ 4 = *.21*

§ If limited as Para. 18 (f) ..... *NIL*

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

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

#### ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *0.10 1/4*  
Correction for Length, if required (Para. 12, 13, and 14) .....

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) }

Difference ..... *3.0 1/4*  
*2.2 1/4*  
*44.357*  
*11.64879*

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) *+7.53*  
*11.06*  
*-11*

Allowance for Deck Erections ..... *5.4 1/4*

	Length.	Length allowed.	Height.
SHANK <i>23.70</i> Forecastle..... <i>2.13</i>	<i>25.83 1/2</i>	<i>12.91</i>	<i>3.0</i>
Bridge House..... <i>15.75</i>		<i>15.75</i>	<i>7.0</i>
↑ Raised Qr. Dk..... <i>126.75</i> × <i>3.41</i> <i>3.83</i>		<i>112.85</i>	<i>3.41</i>
Poop.....			<i>.63</i>
Total	<i>168.33</i>	<i>141.51</i>	<i>= .629</i>
Length of Ship	<i>224.70</i>	<i>224.70</i>	

Corresponding percentage (Para. 11, 12, 13, and 14) *44.357*

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 ..... *5.4 1/4*  
Summer Freeboard (2-2 1/2) *2 1/4* *5.2*  
Indian Summer Freeboard ..... *4.11 1/2*  
N. A. Winter Freeboard *3 1/2* *5.7 1/2*

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ steel deck with side. *+1 1/2*

Winter Freeboard from deck line ..... *5.5 1/2*  
Summer " " " ..... *5.3 1/2*  
Indian Summer " " " ..... *5.1 1/4*  
N. A. Winter " " " ..... *5.9 1/4*

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.

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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 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 *no openings*  
 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? *32 x 36* and Coaming plate? *Vertical plating*  
 Give scantlings and spacing of the Stiffeners *7 1/2 x 3 x 36 bull angles, spaced 30" apart, + 2 sets 12 x 40 flanged as approved*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes as approved* 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? *no openings*  
 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? *Yes*  
 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? *3' 6" above R. gr. dk* 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.	N°1. 23'9" x 23'0" - 20'0"		N°2. 23'9" x 23'6" - 23'3"		N°3. 28'3" x 23'6"		N°4. 26'0" x 23'6" - 23'0"		Ship.	Rule.
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	54		54		54		54			
Thickness										
Sides	44	approved	44	approved	44	approved	44	approved		
Ends	44		44		44		44			
SHIFTING BEAMS OR WEB PLATES.										
Number	3	3	3	3	4	4	3	3		
Section and Scantlings	22 x 38 5 x 3 1/2 x 46	approved	23 x 38 5 x 3 1/2 x 46	approved	23 x 38 5 x 3 1/2 x 46	approved	25 x 38 5 x 3 1/2 x 46	approved		
Material	Steel		Steel		Steel		Steel			
* FORE AND AFTERS.										
Number				NONE.						
Section and Scantlings										
Material										
HATCHES Thickness	3"	appd	3"	appd	3"	appd	3"	appd		
Remarks				SATISFACTORY.						

\* 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? *Yes*

Strake between Main and Bridge Sheerstrakes? *Yes*

Delete the words *The Crew are, are not, berthed in the bridge house. Quarter Deck aft.*  
 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. *Forward 51.75 x 4'0" high. aft 126.75 x 3'0" high.*

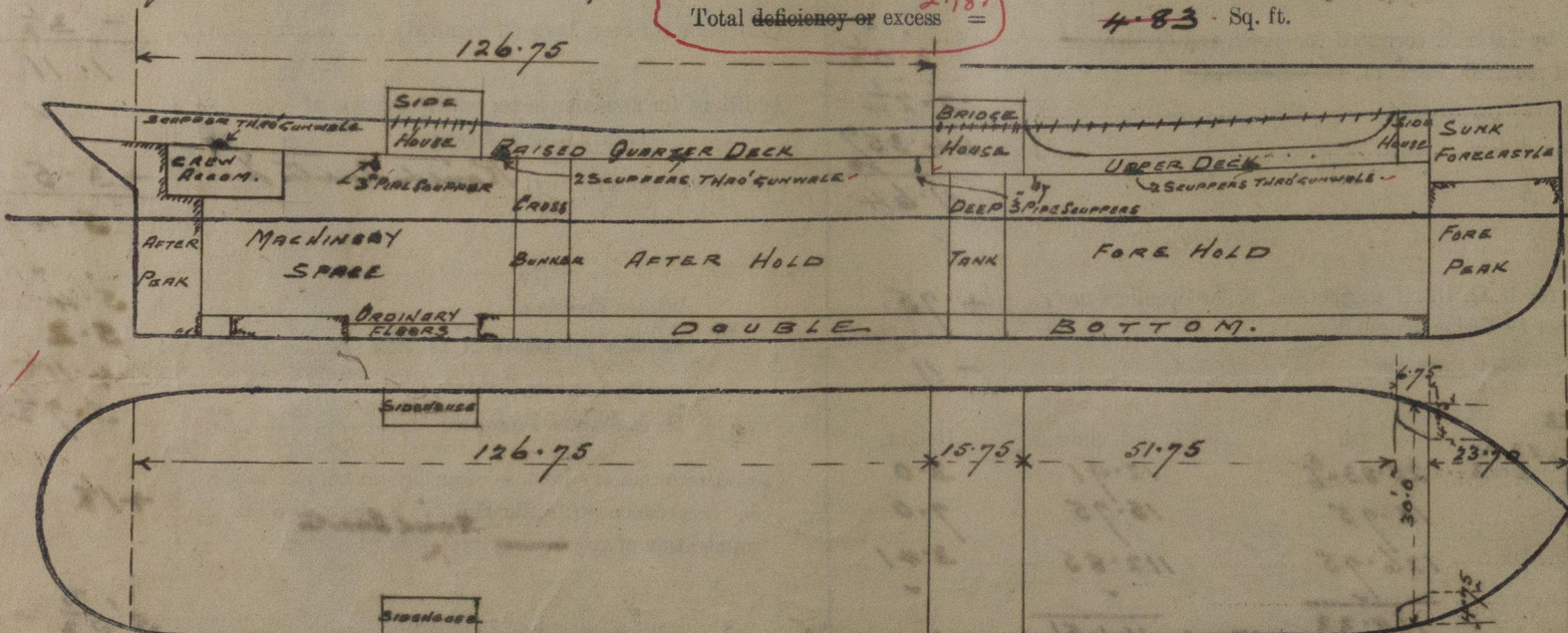
Area of Freeing Ports required by Para. 11 (e) each side of vessel

For B of  
 on ft. Tenth. Ft. Tenth. No.  
 Forward { 6.0 x 0.73 x 2  
 7.0 x 0.73 x 1  
 aft. 6.0 x 0.66 x 7

Freeing Ports  
 (each side of vessel)

Forward 11.67  
 aft 25.35 Sq. ft. = 37.02  
 Forward 13.85  
 aft 28.00 Sq. ft. = 41.85

Total deficiency or excess = 2.18  
 4.83 - 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 *There are no special features.*

Builder's name and yard number *Messrs John Brown & Sons Ltd. No 182.*

Names of sister vessels *Yes*

Owners *Gas, Light & Coke Co. (Stephenson Clarke & Co. Ltd. Managers).*

Address *London.*

Fee £ *4 3 4*

Received by me *See F.C. Report.*

*Will be charged on completion*

*The Builders state -  
 vessel has a displacement  
 of 2758 tons on 15.8 1/2 ft  
 4 tons per inch of 16.26.*

*Moulded displacement  
 at moulded draft = 8.5  
 moulded depth = 25.85 ft.*