

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

N^o 30235

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHUNT 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 While building
Name of Surveyor A. Urwin

Ship's Name. S.S. ENGLAND
Port of Registry and Nationality. KØBENHAVN Danish
Official Number. ✓
Gross Tonnage. ✓
Date of Build. 1930
Particulars of Classification. *100 A.1 Class Contemplated.

Registered dimensions from Ship's Register.	LENGTH. <u>284.6</u>	BREADTH. <u>42.00</u>	DEPTH. <u>18.0</u>	UNDER DECK TONNAGE. <u>1762.83</u>
Length on GUNWALE.	<u>283.0</u>	Frame Depth 8 Rule " 5 1/8 " 2 x 2 1/2 " = 23.5 Span ceiling fitted	Ceiling fitted Sheer + 1.10	Peak } Tanks } for R.Q.D frames q" = +3
LENGTH ON GUNWALE.	<u>283.0</u>	<u>41.57</u>	<u>19.10</u>	<u>1765.83</u>

Moulded Depth as measured..... 20'-4"
Addition for Keel below base line for draught record..... 1 5/8 inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.
20-4
10
21-2
3-2
17-11

CORRECTION FOR LENGTH

Length of Ship on Loadline.....	<u>283.0</u>
Length in Table	<u>244.0</u>
Difference	<u>39.0</u>
Correction for 10ft., Table A.	<u>1.2</u> Table C.
× Difference divided by 10	<u>4.68</u> (if required.)
If 1/10ths length covered divide by 2	<u>2.34</u> + <u>2 1/4</u> ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>19 1/2</u> = <u>68.0%</u>
Thickness of usual wood deck, less stringer	<u>3 1/2</u>
	<u>3.22</u> = <u>- 3 1/4</u> ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>41.83</u>
Round of Beam	<u>10</u>
Normal round.....	<u>10.45</u>
Difference	<u>45</u> ÷ 2 = <u>22</u>
Proportion of Deck uncovered (Para. 19)	<u>32.3%</u> ✓ <u>07</u>

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

Freeboard, Table A	<u>3 - 11 1/4</u> ✓
Correction for Sheer	<u>- 10</u>
Correction for Length	<u>3 - 1 1/4</u> ✓
Allowance for Deck Erections	<u>+ 2 1/4</u>
	<u>3 - 3 1/4</u> ✓
	<u>- 9 1/2</u> ✓
	<u>2 - 6 1/4</u> ✓
Correction for Round of Beam.....	✓
Correction for fall in Sheer (if any).....	✓
Correction for Steel Deck (if required)	<u>- 3/4</u>
	<u>2 - 2 3/4</u> ✓
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	✓
Other Corrections (if any)	✓

Winter Freeboard	<u>2 - 2 3/4</u> ✓
Summer Freeboard <u>A = 2 1/2 C = 3 1/2 = 3 1/4</u>	<u>1 - 11 1/4</u> ✓
Indian Summer Freeboard	<u>1 - 8 1/2</u> ✓
N. A. Winter Freeboard	<u>2 - 5 1/4</u> ✓
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.	<u>+ 1 1/2</u> ✓
Winter Freeboard from deck line	<u>2 - 4 1/2</u> ✓
Summer " " "	<u>2 - 1 1/4</u> ✓
Indian Summer " " "	<u>1 - 9 3/4</u> ✓
N. A. Winter " " "	<u>2 - 7 1/2</u> ✓

Coefficient of fineness..... .7847
Modification necessary }
Para. 4 (a) to (e) * }
Coefficient as corrected76477 ✓

Stem..... 104 }
Sternpost ... 52 } 156 ÷ 2 = 78 ... Mean

At 1/2 of the length from { Stem 57 1/4
Sternpost 28 1/2 } 85 3/4 ÷ 2 = 42.87 ... Mean

Standard mean Sheer 78.95 ÷ .55 = 143.55
Standard mean Sheer [Table, Para. 18] 38.3 Correction
Difference..... 39.765 ÷ 4 = 9.92
Corrected as Para. 18 (f) - 10"

In Sheer { At front of bridge house..... ✓
amidships {
18 (e) } At after end of forecastle ✓
In Sheer } ÷ 2 =
18 (d) }
Deck uncovered Correction ✓

ALLOWANCE FOR DECK ERECTIONS :—
Correction for Table C..... 1 - 5 1/4
Correction for Length, if required (Para. 12, 13, and 14)

	Length.	Length allowed.	Height.
Forecastle	<u>27.65</u>	<u>27.65</u>	<u>7'-6"</u>
Bridge House	<u>52.50 + 2.6</u>	<u>53.75</u>	<u>7'-6"</u>
Qr. Dk.	<u>92.50 × 4.0</u> <u>18.60</u>	<u>83.33</u>	<u>4'-0"</u>
		<u>18.58</u>	<u>7'-6"</u>
Total	<u>191.25</u>	<u>183.31</u>	<u>= 64.77</u>
Length of Ship		<u>283.00</u>	

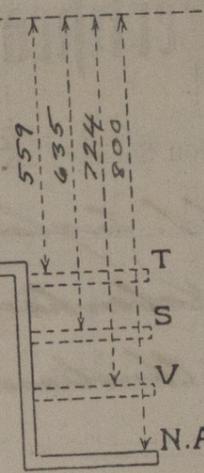
Allowing percentage {
11, 12, 13, or 14 } 47.15%

BOARD 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	" " "	...

Names, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside line should be reported if possible.
For 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 vessels having poops and forecastles, it means the sheer measured at points distant 1/10th of the vessel's length from stem and stern-post.

† 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.



F.W. 4838
2402 x 40 = 502"

0010-291M

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 *One steel watertight door* Opening *2'-5 1/2" x 1'*

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 *Two openings closed with portable plates secured by 3/4" through bolts not more than 6" apart.*

What is the thickness of the Bridge Front plating? *.36* and Coaming plate? *.40*

Give scantlings and spacing of the Stiffeners *7 x 3 x .45 B.A.* 21" to 27" apart *(Std. Lr. 21.1.30)*

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? *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 *.26 .30 coaming Stiffeners 3 x 2 1/2 x .30 spaced 30" apart*

What is the height of the exposed Casings? *7'-6" above Br. 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:—

Position and Size.	N ^o 1. 34-9 x 28' x 22'	N ^o 2. 34-0 x 28-0	N ^o 3. 32-6 x 28-0	N ^o 4. 30-0 x 28' x 24'
Item.	Ship.	Rule.	Ship.	Rule.
COAMING.				
Height above top of DECK	2'-9"	as approved	2'-9"	2'-9"
Thickness	.44	do.	.44	.44
Sides	.44	do.	.44	.44
Ends	.44	do.	.44	.44
SHIFTING BEAMS OR WEB PLATES.				
Number	5	5	5	5
Section and Scantlings	I 23-11 1/2 x .40	I 24-12 x .38	I 23 1/2 - 11 3/4 x .38	I 21-10 1/2 x .38
Material	from 6 x 3 1/2 x .50 to 4 1/2 x 3 x .46	6 x 3 1/2 x .50	6 x 3 1/2 x .50	6 x 3 1/2 x .50 to 4 1/2 x 3 x .50
* FORE AND AFTERS.				
Number	Nil	Nil	Nil	Nil
Section and Scantlings				
Material				
HATCHES Thickness	2 3/4	do.	2 3/4	do.
Remarks	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

What is the thickness of the Bridge Sheerstrake? *.46* Strake between Main and Bridge Sheerstrakes? *.46*

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.

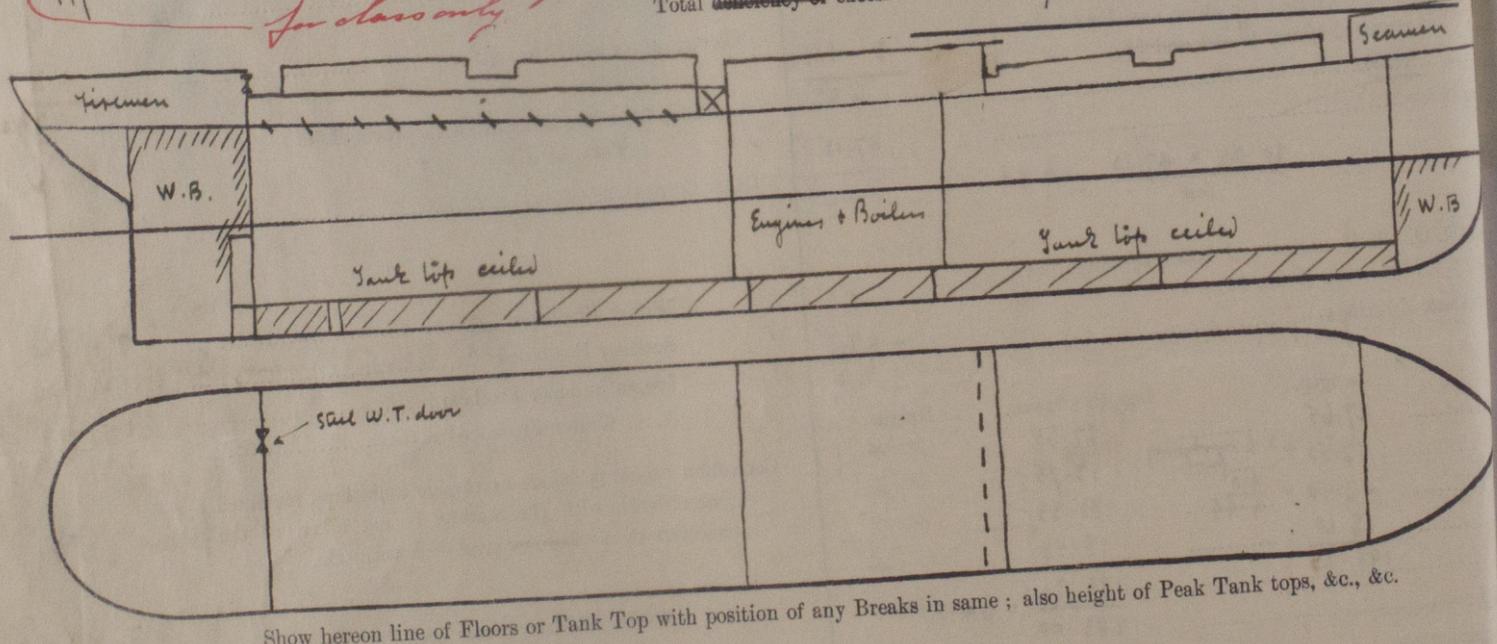
Length of Bulwarks in well *91.75 fwd. 92.50 aft.*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *36.85* Sq. ft.

Freeing Ports (each side of vessel) = *37.92* Sq. ft.

Total deficiency or excess = *1.07* Sq. ft.

for class only



State any special features in the construction of the Vessel

Builder's name and yard number *Messrs Swan Hunter Wigham Richardson Ltd. Yard 401415*

Names of sister vessels

Owners *Alfred Christensen*

Address *Copenhagen*

Fee £ *5 : 16 : 8* Received by me *See F. & Report*

Will be charged on completion

Low displacement *4838 tons*
T.P.1 *24.02*
Moulded displacement at 85% of design speed *23.85*
Consisting T.P.1 *23.85*
Two copies of the Midsal of the General Arrangement are attached as required

