

1UE APR. 15 1924

ABN REPORT 13531

Index No. 31214
(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 Aberdeen
Date of Survey whilst building
Name of Surveyor J. Richardson

Ship's Name JOYCE LLEWELLYN LEWIS & SONS. L ^{td} YARDN ^o 93. Number in Register Book	Port of Registry and Nationality. <u>Cardiff</u> <u>British</u>	Official Number. <u>148273</u>	Gross Tonnage. <u>1446.37</u>	Date of Build. <u>1924</u>	Particulars of Classification. <u>* 100. A. I. (CONTEMPLATED)</u>
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REGISTERED LENGTH FROM DISCS FROM REGISTER.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>234.5</u>	<u>35.6</u>	<u>16.55</u>	<u>1112.60</u>
LENGTH ON LOADLINE.	<u>234.25</u>	MEAN DEPTH Rule <u>35.6</u>	CEILING + 20. SHEER + .61 <u>16.63 to T.T.</u>	PEAK TANKS INCLUDED.
	<u>234.25</u>	<u>35.27³</u>	<u>17.36</u>	<u>1112.60</u>

Moulded Depth as measured 18.7"

Addition for Keel below base line for draught record 2.4" 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.....	<u>234.25</u>
Length in Table	<u>223.00</u>
Difference	<u>11.25</u>
Correction for 10ft., Table A.	<u>1.1</u>
× Difference divided by 10	<u>1.23</u> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<u>.61</u> = $+\frac{1}{2}$ " = $\frac{3}{4}$ "

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	
Thickness of usual wood deck, less stringer	<u>- 3 1/2</u> "

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>35.5 1/2</u>
Round of Beam	<u>9</u> "
Normal round.....	<u>8 3/4</u> "
Difference	<u>1/4</u> " ÷ 2 = <u>NIL</u>
Proportion of Deck uncovered (Para. 19)	

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

of fineness .77 $\frac{1112.60}{234.25 \times 35.27 \times 17.36} \times 100 = .775$

ation necessary (a) to (e)* Cellular Double Bottom = -.02

is corrected .75 .75

72" } 108" ÷ 2 = 54" Mean $\frac{55.45}{36} = 1.54$

36" }

the length from Stem 41" } $\frac{61}{2} = 30.5$ Mean

Sternpost 20" } $\frac{55.45}{.55} = 100.8$

Sheer allowed 54.72

Sheer [Table, Para. 18] 33.42 Correction .32

Difference 21.3 $\frac{22.05}{4} = 5.51$

Para. 18 (f) - 5 1/4"

At front of bridge house 4"

At after end of forecastle 47 1/2"

÷ 2 = ✓

Correction

ALLOWANCE FOR DECK ERECTIONS :-

Table C.....	<u>1.0 1/2</u> "
Length, if required (Para. 12, 13, and 14)	<u>✓</u>
Table A, corrected for shear and for length, if required (Para. 12, 13, and 14)	<u>2.11 1/2</u> "
Below.....	<u>1.11 1/4</u> "
	<u>54.4</u>
	<u>12.64</u>
	<u>12.51</u>

R.Q.Dk. if engine and boiler openings not by bridge house (Para. 11) - 12 1/2"

Deck Erections

Length.	Length allowed.	Height.
<u>22.83</u>	<u>22.83</u>	<u>7.0</u>
<u>57.5</u>	<u>57.5</u>	<u>7.0</u>
<u>67.0</u>	<u>67.0</u>	<u>4.0</u>
<u>15.91</u>	<u>15.91</u>	<u>7.0</u>
	<u>163.24</u>	
	<u>234.25</u>	<u>.696</u>

percentage (8, or 14) 54.4%

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 " " "	

Freeboard, Table A	<u>3.5 1/4</u>
Correction for Sheer	<u>- 5 1/4</u>
Correction for Length	<u>+ 11 1/2</u>
Allowance for Deck Erections	<u>- 1.0 1/2</u>
Correction for Round of Beam.....	<u>✓</u>
Correction for fall in Sheer (if any).....	<u>✓</u>
Correction for Iron Deck (if required)	<u>- 3 1/2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>1.8 1/4</u>
Other Corrections (if any)	<u>✓</u>

Winter Freeboard	<u>1.8 1/4</u>
Summer Freeboard	<u>2 3/4</u>
Indian Summer Freeboard	<u>1.2 1/2</u>
N. A. Winter Freeboard	<u>1.11 1/4</u>
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the <u>Steel</u> deck with side.	<u>1 1/2</u> "

Winter Freeboard from deck line	<u>1.9 1/2</u>
Summer " " " "	<u>1.4 3/4</u>
Indian Summer " " " "	<u>1.4</u>
N. A. Winter " " " "	<u>2.0 1/2</u>
Steel Deck :-	<u>1.7</u>
	<u>4</u> "
	<u>3</u> "
	<u>2 1/2</u> "
	<u>5 1/2</u> "

planking, or ceiling are of unusual thickness the breadth of vessel to inside be reported if possible.

an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the R.Q.D. is to be taken from the level of the top of the amidship beam.

the total standard mean sheer means the sheer measured at the stem and stern-
having poops and forecastles, it means the sheer measured at points distant
length 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 draught at time of survey, and also the usual lead draft forward and aft, should be reported.

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Lloyd's Register

MARKING FORM

FOUNDATION

26 MAY 1924

W449-0058

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? *B. A. frames, with wide spaced reverse bars as approved.*
 Has the Poop ^{AND} 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 *Bolted plates 4" x 3" x 1/2" secured by nut + screw bolts, 6" apart.*
 What is the thickness of the Bridge Front plating? *30"* and Coaming plate? *34"* *passing thro. bulkhead plate*
 Give scantlings and spacing of the Stiffeners *6 1/2" x 3" x 46" B. Angles. 30" apart.*
 Are bracket plates fitted at each end of the Stiffeners? *Yes at top, but not at bottom in way of Hatch* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Bulwark rail up.*
 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, with openings 4" x 3" x 1/2" in centre, with portable shutter in channels*
 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 deck and deck houses.*
 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 and 30 where exposed. Stiffers 3" x 2 1/2" x 30" angles. 30" apart.*
 What is the height of the exposed Casings? *7' 3"* 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. 22'3" x 19'2" FORWARD 22'10" AFT.		No 2. 28'10" x 23'0"		No 3. 22'3" x 23'0"		No 4. 21'3" x 22'10" FORWARD 19'8" AFT		Ship.	Rule.	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.			
COAMING.	Height above top of DECK	3'0"	as	3'0"	as	2'6"	as	2'6"	as		
	Thickness	Sides	44"	approved	44"	approved	44"	approved	44"	approved	
		Ends	44"		44"		44"		44"		
SHEETING BEAMS OR WEB PLATES.	Number	4	4	5	5	4	4	4	4		
	Section and Scantlings	19" to 13 1/2" x 38"	do.	do	do.	do.	do.	do.	do.		
	Material	steel									
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness	2 1/2" W.W.	do.	do.	do.	do.	do.	do.	do.			
Remarks	solid.										

* 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.

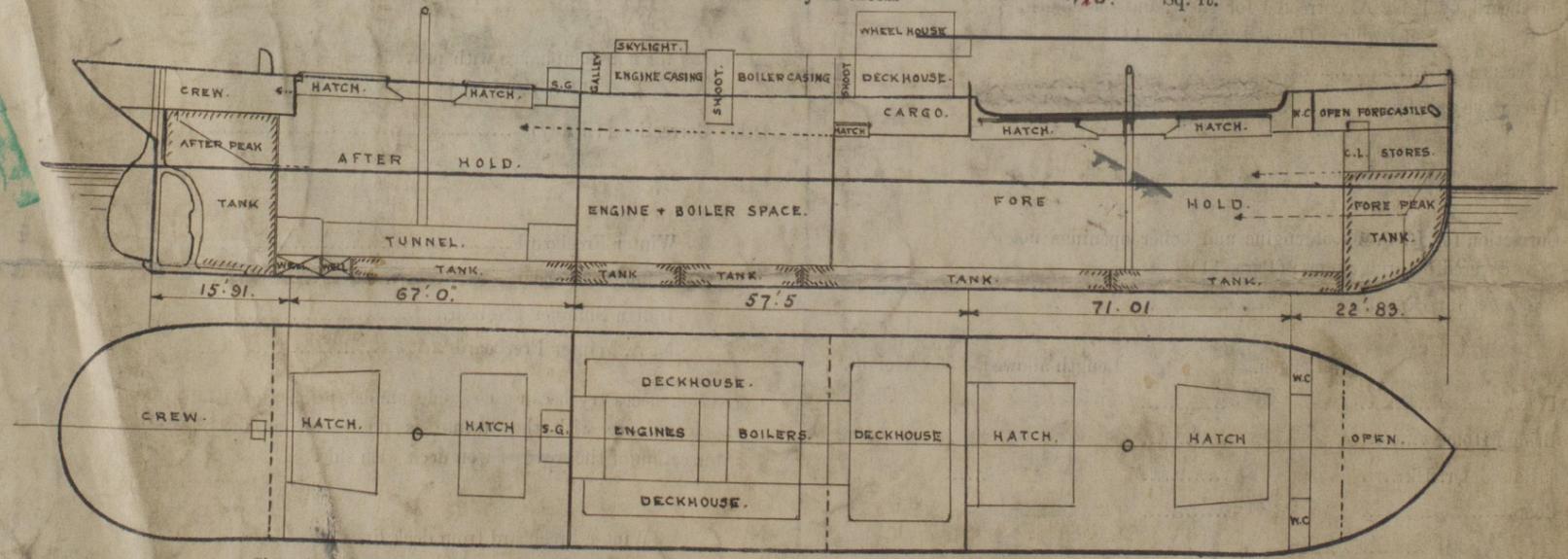
What is the thickness of the Bridge Sheerstrake? *30"* Strake between Main and Bridge Sheerstrakes? *30" + 40" at Bridge front. 78" aft tapering to R.Q.D. sheer.*
 Delete the words *In Poop and houses on Bridge.*
 that do not apply { The Crew ~~are not~~, are not, berthed in the bridge house.
 { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well *MAIN DECK. = 71.01.*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *14.2* Sq. ft.

Ft. Tenth. Ft. Tenth. No. Freeing Ports (each side of vessel) = *14.625* Sq. ft.
 $3 \cdot 25 \times 1 \cdot 5 \times 3 \text{ FOR } \text{FOR}^{\circ}$

Total deficiency or excess = *475* 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 *Plans of Profile + Section are forwarded herewith for reference.*

The *S.S. "Cophthorne"*, Abn. Report No 13283 is a sister ship.

Owners *The Llewellyn Shipping Coy Ltd*
 Address *Bardiff.*

Fee £ *5 0 0*

Received by me *See 2.6*

