

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 GLASGOW
Date of Survey 18TH NOV. 1927
Name of Surveyor H. THOMSON.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>M.S. "DEIDO"</u>	<u>LIVERPOOL</u>	<u>160390</u>	<u>✓</u>	<u>1927</u>	<u>+ 100A.1. WITH FREEBOARD</u>
Number in Register Book <u>✓</u>	<u>BRITISH.</u>				<u>(CONTEMPLATED)</u>

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>356.6</u>	<u>49.2</u>	<u>22.4</u>	<u>3132.36</u>
Length on LOADLINE.	<u>355.0</u>	mean Frame Depth $3\frac{3}{4}$ Rule " $5\frac{1}{2}$ = <u>54</u>	No Ceiling + 20 Sheer + 10 Drop in Tank + 14 Sparring fitted.	Peak Tanks } Incl'd For 11 frames in tween decks For 6 frames in tween decks = <u>7.43 tons</u>
CORRECTED DIMENSIONS.	<u>355.0</u>	<u>48.66</u>	<u>22.84</u>	<u>3126.57</u>

Co-efficient of fineness..... .491
Any modification necessary }
[Para. 4 (a) to (e)]* }
Co-efficient as corrected44

Sheer { Stem..... 66 } 102 ÷ 2 = 51.0...Mean
at { Sternpost ... 36 }
Sheer at $\frac{1}{2}$ of the length from { Stem 35 } 54.25 ÷ 2 = 27.12...Mean
Sternpost 19.4 }
Gradual mean Sheer 49.32
Standard mean Sheer [Table, Para. 18] 45.50 Correction
Difference..... 3.82 ÷ 4 = .95
§ If limited as Para. 18 (f) -1"

Rise 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..... 2' 6 $\frac{1}{4}$ "
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 5 - 4 $\frac{1}{2}$ "
Difference 2' 9 $\frac{3}{4}$ "
Percentage as below..... 94.4%
31.86

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

Allowance for Deck Erections - 2' 7 $\frac{3}{4}$ "

	Length.	Length allowed.	Height.
Forecastle.....	<u>310.3</u>	<u>310.63</u>	<u>8'-9"</u>
Bridge House.....	<u>310.9</u>		
Tonnage opening <u>4.0</u>			
+ Raised Q. Dk. <u>40.3</u>			
Poop.....	<u>39.9</u>	<u>40.0</u>	<u>8'-9"</u>
Total.....	<u>355.0</u>	<u>350.63</u>	
Length of Ship.....		<u>2.18 = 1/2 diff.</u>	
Corresponding percentage {		<u>352.81</u>	
(Para. 11, 12, 13, or 14) } <u>94.4%</u>		<u>355.0</u>	

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	"	"	"	...	...

† 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.

Moulded Depth as measured..... 24'-8"
Addition for Keel below base line for draught record..... 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..... 355.0
Length in Table 296.0
Difference 59.0
Correction for 10ft., Table A. 1.8 Table C.
× Difference divided by 10 7.67 (if required.)
If $\frac{1}{10}$ ths length covered divide by 2 3.83
+ 3 $\frac{3}{4}$ "

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 49'-0"
Round of Beam 12 $\frac{1}{4}$ "
Normal round..... 12 $\frac{1}{4}$ "
Difference ÷ 2 =
Proportion of Deck uncovered (Para. 19)

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

Freeboard, Table A 5' 5"
Correction for Sheer - 1"
5' 4"
Correction for Length + 3 $\frac{3}{4}$ "
5' 4 $\frac{3}{4}$ "
Allowance for Deck Erections - 2' 7 $\frac{3}{4}$ "
3' 0"
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Steel Deck (if required) - 3 $\frac{1}{2}$ "
2' 8 $\frac{1}{2}$ "
Additions for non-compliance with provisions of Para. 11 (d) and (e) †
Other Corrections (if any)

Winter Freeboard 2' 8 $\frac{1}{2}$ "
Summer Freeboard 2' 3 $\frac{3}{4}$ "
Indian Summer Freeboard 1' 11"
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 $\frac{3}{4}$ "

Winter Freeboard from deck line 2' 10 $\frac{1}{4}$ "
Summer " " " 2' 5 $\frac{1}{2}$ "
Indian Summer " " " 2' 0 $\frac{3}{4}$ "
N.A. Winter " " "

Winter Freeboard from deck line 2' 5 $\frac{1}{2}$ "

Fresh Water Line above centre of Disc 6"

Indian Summer Line " " " 5"

Winter Line below " " " 4 $\frac{1}{2}$ "

Winter North Atlantic Line " " "

† 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.

Tonnage Opening Fitted.

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? BULB ANGLE FRAMES
 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 IN CHANNELS Hinged Steel Doors
 Is the Poop or Raised Quarter Deck connected with the Bridge House? ✓ Has the Bridge House an efficient Bulkhead at the fore end? ✓
 Give particulars of the means for closing the openings in Bulkhead ✓
 What is the thickness of the Bridge Front plating? ✓ and Coaming plate? ✓
 Give scantlings and spacing of the Stiffeners ✓
 Are bracket plates fitted at each end of the Stiffeners? ✓ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? ✓
 Has the Bridge House an efficient Iron Bulkhead at the after end? Yes
 How are the openings closed? Stormboards in riveted channels
 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? SEE SKETCH By Superstructure Deck and steel deckhouse also
 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:— SEE BELOW Yes

Position and Size.		N ^o 1. 22'-6" x 17'-0"		N ^o 2. 27'-6" x 17'-0"		N ^o 3. 25'-0" x 17'-0"		N ^o 4. 25'-0" x 17'-0"		N ^o 5. 4'-0" x 17'-0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	30"		30"		30"		30"			
	Sides.....	.44		.44		.44		.59		9" B.A.	
	Ends.....	.44		.44		.44		.44			
SHIFTING BEAMS OR WEB PLATES.	Number	3		3		3		3			
	Section and Scantlings	11" 16 1/2 x 36		11" 14 1/2 x 32		11" 13 1/2 x 32		11" 13 1/2 x 32			
	Material	4 x 3 x .42		4 x 3 x .42		4 x 3 x .42		4 x 3 x .42		none	
* FORE AND AFTERS.	Number										
	Section and Scantlings	none		none		none		none		none	
	Material										
HATCHES Thickness		3"		3"		3"		3"		3"	
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 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 ON SHELTER DECK 276.75

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

Sq. ft.

Ft. Tenths. Ft. Tenths. No.

OPENINGS 4' x 3' SHIFTING 2.25 x 1.5 x 9

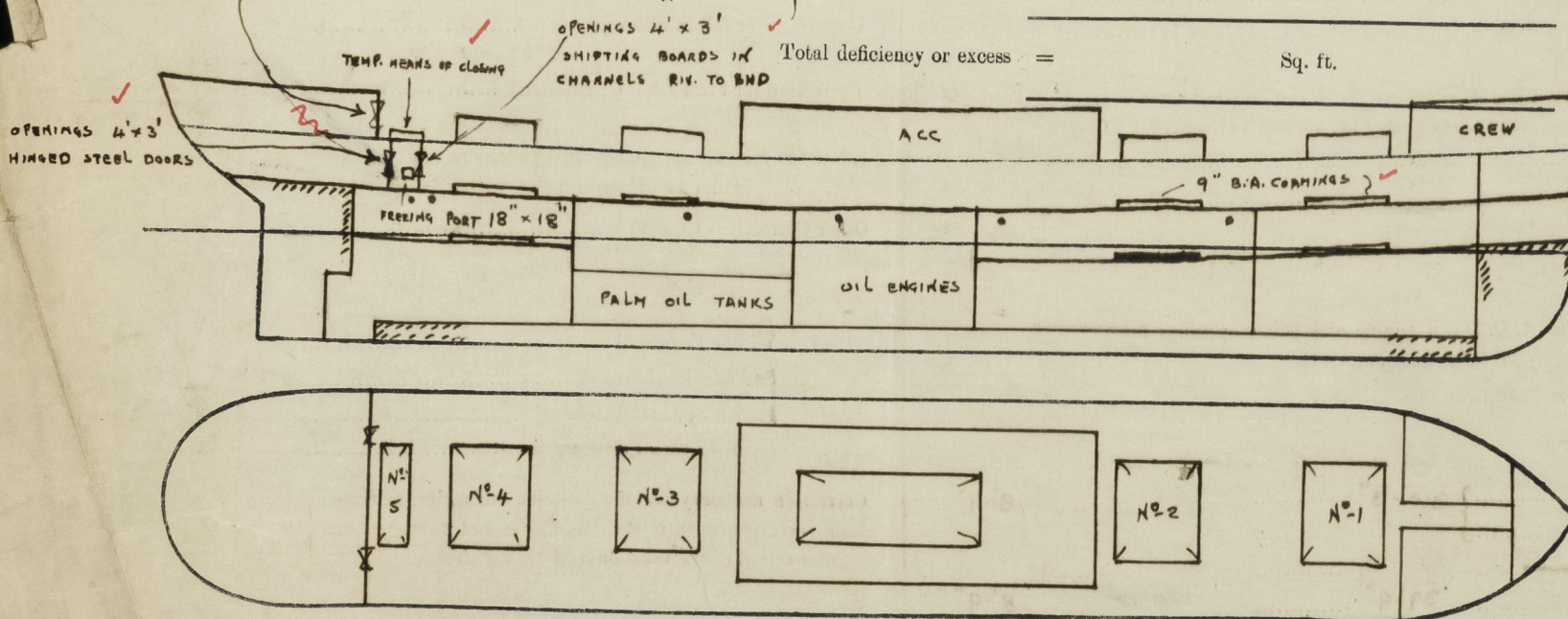
BOARDS IN CHANNELS RIV. TO BHD

Freeing Ports (each side of vessel) =

30.38 Sq. ft.

Total deficiency or excess =

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.

CEILING UNDER HATCHES AND OVER BILGES ONLY. SPARRING HOLDS & T.D.S. NO COVERING ON DECK IN WAY OF FREEBOARD MARK.

TANK TOP DROOPS 4\"/>

SCUPPERS FROM TWEEN DECK OVERBOARD. NON RETURN VALVES

NO SIGHTLIGHTS OR OTHER SIMILAR OPENINGS BELOW UPPER DECK.

APP. PLANS (2 IN NUMBER) LL MID. SECT & PROFILE & DECKS FORD FOR R.R.

DOCKYARD, LIMITED. N^o 337.

State any special features in the construction of the Vessel

Builder's name and yard number

ARDROSSAN DOCKYARD, LIMITED.

Names of sister vessels SIMILAR TO M/S "DIXCOVE"

A. McMILLAN & SONS N^o 736.

SEE ALSO PRELIM. ASS. 21-9-26

Owners

ELDER, DEMPSTER & CO LTD.

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APP. Fee £

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See L.R. Report.



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