

CLYDE'S

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 while building
 Name of Surveyor J. Richardson.

Ship's Name
"OUTWOOD"

Port of Registry and Nationality
London.
British

Official Number
119730

Gross Tonnage
648.07
approx.

Date of Build.
1926.

Particulars of Classification.

100.A.I. CONTEMPLATED.

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>171.2</u>	<u>27.85</u>	<u>11.45</u> Tank <u>11.3</u>	<u>449.05</u>
Length on LOADLINE.	<u>171.31</u>	Frame Depth 5' Rule <u>3 1/2</u> Each side = <u>1 1/2</u> Both sides = <u>3</u> No spacing + <u>33</u>	Ceiling <u>fitted</u> Sheer + <u>1.01</u> 5" drop of Tank = + <u>20</u>	Peak Tanks } included Floors in E+B space. <u>445.05</u>
CORRECTED DIMENSIONS.	<u>171.31</u>	<u>27.93</u> 28.02	<u>12.66</u>	<u>449.05</u>

Co-efficient of fineness..... .745 .735 (.7348)
 Any modification necessary } C.R.B. = -.02
 [Para. 4 (a) to (e)]* }
 Co-efficient as corrected = .7271 63.63
27.13

Sheer { Stem..... 77 1/2 } 122.75 ÷ 2 = 61.37 ... Mean
 at { Sternpost ... 45 1/4 }
 Sheer at 1/2 of the length from { Stem 45 } 70 ÷ 2 = 35 ... Mean
 { Sternpost 25 } ÷ 2 = 63.63
 Gradual mean Sheer allowed 62.5
 Standard mean Sheer [Table, Para. 18] 27.13 Correction
 Difference..... 35.37 ÷ 4 = 8.84
 § If limited as Para. 18 (f) - 8 3/4

Rise in Sheer { At front of bridge house..... 6"
 from amidships {
 [Para. 18 (e)] { At after end of forecastle 46"

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0'-8 1/4"
 Correction for Length, if required (Para. 12, 13, and 14) 3 3/4"

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }
 Difference 0'-11"
64.07
62.57
 Percentage as below..... - 6.88
7.04

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
 Allowance for Deck Erections + .34
.25
6.53
7.04
6 3/4"

	closed	Length.	Length allowed.	Height.
Forecastle.....	<u>20.2</u>	<u>23.10</u>	<u>22.24</u> <u>23.12</u>	<u>7'0"</u>
Bridge House		<u>11.2</u>	<u>11.16</u>	<u>7'0"</u>
† Raised Qr. Dk.....		<u>95.11</u>	<u>95.49</u>	...
Poop.....			<u>129.31</u> <u>130.19</u>	
Total			<u>171.31</u>	<u>7.5</u> <u>760</u>
Length of Ship				

Corresponding percentage } 62.57 64.07
 (Para. 11, 12, 13, or 14) }

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..... 13'5"

Addition for Keel below base line for draught record..... 1 1/2 inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 171.31
 Length in Table 161.0
 Difference 10.31
 Correction for 10ft., Table A.9 Table C.
 × Difference divided by 109279 (if required.)
 If 1/10ths length covered divide by 246
 = + 1/2"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered755 .76
 Thickness of usual wood deck, less stringer -3"
-3"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 27'3 3/4"
 Round of Beam 7"
 Normal round..... 6.83
 Difference17 ÷ 2 =08
 Proportion of Deck uncovered (Para. 19)24 nil

Freeboard, Table A 2'0 1/2"
 Correction for Sheer - 8 3/4"
 Correction for Length + 1'4 1/4"
 Allowance for Deck Erections - 6 3/4"
 Correction for Round of Beam..... 0'-10 9/12"
 Correction for fall in Sheer (if any).....
 Correction for Iron Deck (if required) - 3"
0'-8 6 1/2"
 Additions for non-compliance with provisions of }
 Para. 11 (d) and (e) }
 Other Corrections (if any) Height of R.Q.D. + 3'6"
4'-0 1/2"

Winter Freeboard 4'10 1/2"
 Summer Freeboard 3'10 3/4"
~~Indian Summer Freeboard~~
~~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.

Winter Freeboard from deck line 4'10 1/2"
 Summer " " " " 4'0 1/4"
~~Indian Summer~~ " " " "
~~N.A. Winter~~ " " " "
 R.Q.D. " " " " 4'-0" 3" 4'0 1/4"

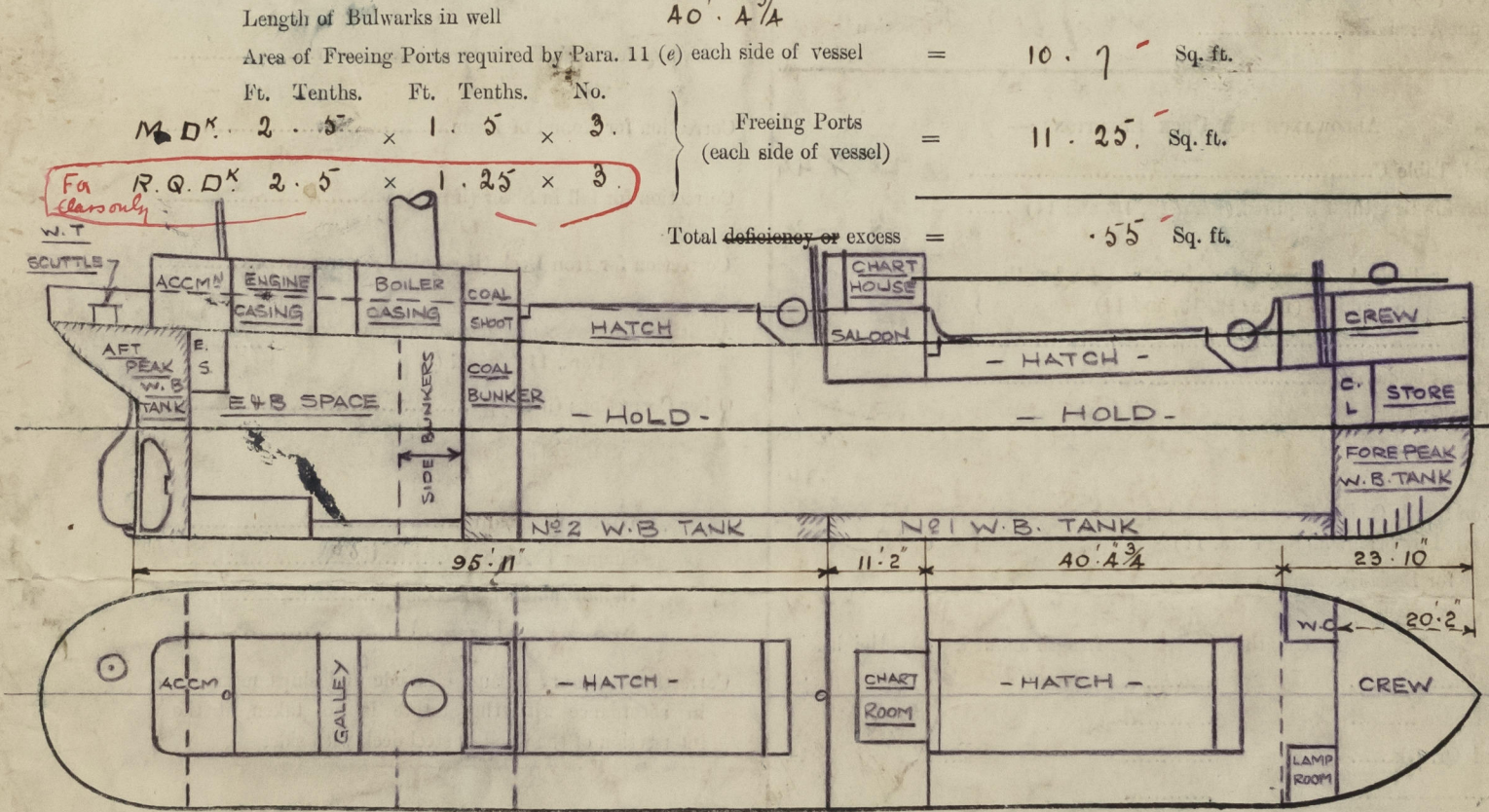
† State dimensions of freeing port area on back of this form.

† 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.

Quarter Deck an efficient Iron Bulkhead at the fore end? *no openings*
 Give particulars of the means for closing the openings in Bulkhead *no openings*
 Is the Peep 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? *.30"* and Coaming plate? *.34"*
 Give scantlings and spacing of the Stiffeners *5 1/2" x 3" x 34 B.A. 30" apart. 6" x 3" x 34 B.A. clear of Hatchways.*
 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? *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, Peep, Raised~~ Quarter Deck, ~~or enclosed by a Strong Iron or Steel Deckhouse~~? *no*
 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 *.29" and coamings .31". Stiffeners 3 1/2" x 3" x 30. 30" apart.*
 What is the height of the exposed Casings? *7' 0"* 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. For = 31' 4" x 16' 0"		No. 2. = 31' 4" x 16' 0"							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	3' 9"	as	3' 2"	as						
	Thickness { Sides.....	.42"	approved	.42"	approved						
	{ Ends.....	.42"		.42"							
SHIFTING BEAMS OR WEB PLATES.	Number	5	5	5	5						
	Section and Scantlings	3 1/2" Plate 15' 6" x 3 1/2" angles 3 1/2" x 3" x 42"		- 20 -							
	Material	Steel									
* FORE AND AFTERS.	Number										
	Section and Scantlings	none		none							
	Material										
HATCHES Thickness		2 1/2" W. Wood.		2 1/2" W. Wood.							
Remarks.....		Solid		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? *.26"* Strake between Main and Bridge Sheerstrakes? *.39"*
 Delete the words { The Crew are, ~~are not~~, berthed in the bridge house. *Deck and Engineer's House aft.*
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.



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 *Profile & Sections (3 plans) forwarded for reference. These plans now in London with J.E. Repal on "Surbilou". aft Repal 14490.*
 Builder's name and yard number *Missrs J. Lewis & Sons Ltd. Yard No. 99.*
 Names of sister vessels *"Surbilou". Aberdeen Repal No. 14457.*
 Owners *E.T. Lindley.*
 Address *Finchchurch St. London E.C.3.*
 Fee £ *4* : 0 : 0. Received by me *See J.E. Repal.*