

EX-1

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

Index No. 33968.
(For London Office only.)
26 FEB 1931

14357

Particulars relating to all steam ships either flush decked, or with
GALLEY, FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR
HULL TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Middlesbrough
Date of Survey During construction
Name of Surveyor J. C. Cochrane

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<u>DULWICH</u> <u>of Dock Co's No 923</u>	<u>London</u> <u>British</u>	<u>162564</u>		<u>1931</u>	<u>+100 A1 (contemplated)</u>

Length.	Breadth.	Depth.	Under Deck Tonnage.
<u>366.4</u>	<u>52.0</u>	<u>24.75</u>	<u>3697.55</u>
<u>363.83</u>	<u>51.0</u>	<u>25.57</u>	<u>3697.55</u>

Moulded Depth as measured..... 27' 0"

Addition for Keel below base line
for draught record..... 2 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>363.83</u>
Length in Table	<u>324.00</u>
Difference	<u>39.83</u>
Correction for 10ft., Table A.	<u>1.4</u>
× Difference divided by 10	<u>5.57</u> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<u>+ 5.1</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	<u>528.539</u>
Thickness of usual wood deck, less stringer	<u>3.1</u>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>51.9</u>
Round of Beam	<u>13</u>
Normal round.....	<u>12.94</u>
Difference	<u>.06</u> ÷ 2 = <u>.03</u>
Proportion of Deck uncovered (Para. 19)	<u>NIL</u>

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

Freeboard, Table A	<u>6.4</u>
Correction for Sheer	<u>5.8</u>
Correction for Length	<u>6.2</u>
Allowance for Deck Erections	<u>5.3</u>

CORRECTION FOR ROUND OF BEAM.....

Correction for fall in Sheer (if any).....	<u>1.4</u>
Correction for Steel Deck (if required)	<u>5.1</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>✓</u>
Other Corrections (if any)	<u>✓</u>

Winter Freeboard	<u>5.1</u>
Summer Freeboard	<u>4.8</u>
Indian Summer Freeboard	<u>4.3</u>
N.A. Winter Freeboard	<u>✓</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.

Winter Freeboard from deck line	<u>5.3</u>
Summer " " " "	<u>4.10</u>
Indian Summer " " " "	<u>4.5</u>
N.A. Winter " " " "	<u>✓</u>

WARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :—

Fresh Water Line	<u>✓</u> above centre of Disc
Indian Summer Line	<u>✓</u> " " " "
Winter Line	<u>✓</u> below " " " "
Winter North Atlantic Line	<u>✓</u> " " " "

† 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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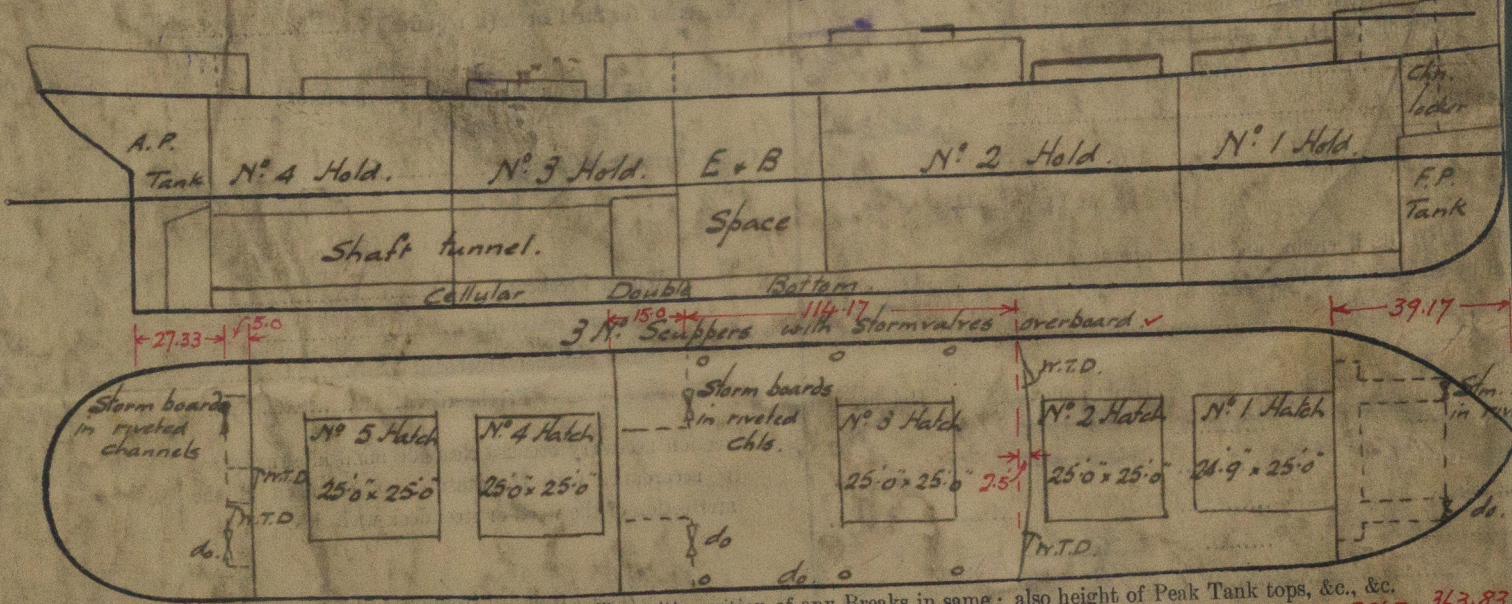
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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bulk angle framing*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *2 openings closed by steel doors. 2 openings closed by storm boards full height, in channels riveted to bulkhead. FULL HEIGHT OF OPENING.*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *2 openings closed by hinged steel w.t. doors*
 What is the thickness of the Bridge Front plating? *40"* and Coaming plate? *44"*
 Give scantlings and spacing of the Stiffeners *9" x 3 1/2" x 40" bulk angles spaced 30" apart.*
 Are bracket plates fitted at each end of the Stiffeners? *Lugged top & bottom* 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? *Stormboards, full height, in channels riveted to bulkhead.*
 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? *Covered by Bridge*
 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 *Yes*
 What is the height of the exposed Casings? *Yes* 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 the Rules? Give particulars below:— *Yes*

Position.	N°1 (Fore)	N°2	N°3 on bridge deck	N°4	N°5				
Size.	24'9" x 25'0"	25'0" x 25'0"	25'0" x 25'0"	25'0" x 25'0"	25'0" x 25'0"				
COAMING.	Height above top of DECK	44"	44"	31"	44"	44"			
	Sides	44"	44"	44"	44"	44"			
	Ends	44"	44"	44"	44"	44"			
SHIFTING BEAMS OR WEB PLATES.	Number	3	3	3	3	3			
	Section and Scantlings	Plate 24'12" x 40" Angles	Plate 25'12" x 41" Angles	Plate 19'9 1/2" x 37" Angles	As N°2	As N°2			
	Material	5 1/2 x 3 1/2 x 46	5 1/2 x 3 1/2 x 46	5 1/2 x 3 1/2 x 46					
* FORE AND AFTERS.	Number	None	None	None	None	None			
	Section and Scantlings								
	Material								
HATCHES Thickness	3"	3"	2 1/2"	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 keel 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 R.
 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 *166 ft. FORD 78.5 FT AFT 87.5*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *33.7* Sq. ft. *FORD 15.70 AFT 17.50*
 Ft. Tenths. Ft. Tenths. No. *1 - FORD 1 - AFT* Freeing Ports = *63.0* Sq. ft. *31.12 31.87*
18.5 x 0.75 x 2
23.0 x 0.75 x 1
19.5 x 0.75 x 1
 Total deficiency or excess = *29.3* Sq. ft. *15.42 14.37*



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.
BRIDGE 114.17
150 x 3/4 11.35
127.08
FOLE 363.83
8
 State any special features in the construction of the Vessel *Yes*
 Builder's name and yard number *Messrs Smith's Dock Co. Stockton. Yard N° 923.*
 Names of sister vessels *S.S. DARTFORD & DEPTFORD (Yard N°s 921 + 922)*
 Owners *Britain S.S. Co. (Watts, Watts & Co. Ltd.)*

Address *7 Whittington Avenue, London E.C.3.*
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