

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No. 28852

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 Liverpool
Date of Survey 26th June 1924
Name of Surveyor W.T. Hudson

Ship's Name. <u>Messrs J. CROWNSONS LTD</u> <u>S/S NOS 146 & 147</u> Number in Register Book	Port of Registry and Nationality.	Official Number.	Gross Tonnage. <u>1900</u>	Date of Build.	Particulars of Classification. <u>+100-A-1 (Contemplated)</u> <u>(Revised Rules)</u>
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Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>268.0</u>	<u>34.83</u>	<u>14.62</u>	<u>1485</u>
Length on LOADLINE.	<u>264.75</u>	<u>34.21</u>	<u>18.60</u>	<u>1485</u>
CORRECTED DIMENSIONS.	<u>264.75</u>	<u>34.21</u>	<u>18.60</u>	<u>1485</u>

Moulded Depth as measured 19'-9"
 Addition for Keel below base line for draught record 1/2 inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness 80
 Any modification necessary [Para. 4 (a) to (e)]* -0.2 Cell D.B.
 Co-efficient as corrected 78

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>264.75</u>
Length in Table	<u>237.00</u>
Difference	<u>27.75</u>
Correction for 10ft., Table A.	<u>1.15</u>
× Difference divided by 10	<u>3.54</u>
If 1/10ths length covered divide by 2 <u>1.77</u> + <u>1 3/4</u>	

Sheer { Stem 84 } 126 ÷ 2 = 63 ... Mean 36 28 2/3
 at { Sternpost 42 }
 Sheer at 1/2 of the length from { Stem 46.5 } 71.5 ÷ 2 = 35.75 ... Mean
 { Sternpost 25.0 } 55 ÷ 2 = 27.5
 Gradual mean Sheer 64.00
 Standard mean Sheer [Table, Para. 18] 36.77
 Difference 27.23 ÷ 4 = 6.8
 § If limited as Para. 18 (f) -6 3/4

CORRECTION FOR IRON DECK.
 Proportion covered, if less than 1/10ths length covered 7/16
 Thickness of usual wood deck, less stringer 4-2 - 3 1/2

Rise in Sheer { At front of bridge house.....
 { At after end of forecastle.....
 Sheer (d) ÷ 2 =
 Correction

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships 37.0
 Round of Beam 9 1/2
 Normal round 9 1/4
 Difference 1/4 ÷ 2 = 1/8
 Proportion of Deck uncovered (Para. 19).....

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

ALLOWANCE FOR DECK ERECTIONS:—
 Table C..... 1-4
 for Length, if required (Para. 12, 13, and 14).....
 by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) 3-3 1/2
 as below 57.25 = 1-11 1/2
12.04 11
 on for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) -12"
 Allowance for Deck Erections -12"

Freeboard, Table A	<u>3-10 1/4</u>
Correction for Sheer	<u>-6 3/4</u>
Correction for Length	<u>3-3 1/2</u>
Allowance for Deck Erections	<u>+1 3/4</u>
Correction for Round of Beam.....	<u>3-5 1/4</u>
Correction for fall in Sheer (if any).....	<u>-1-0</u>
Correction for Iron Deck (if required)	<u>2-5 1/4</u>
Other Corrections (if any)	<u>-3 1/2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>2-1 3/4</u>

Length.	Length allowed.	Height.
Fore House <u>30.2</u>	<u>30.2</u>	<u>4.5</u>
† Raised Qr. Dk. <u>56.25</u> + <u>1.84</u> (OVERHANG)	<u>58.09</u>	<u>7.0</u>
Poop <u>105.34</u> × <u>3.75</u> / <u>4.233</u>	<u>93.34</u>	<u>3.75</u>
Total <u>191.82</u> × <u>7/16</u>	<u>181.81</u>	<u>6.75</u>
Length of Ship <u>264.75</u>	<u>264.75</u>	

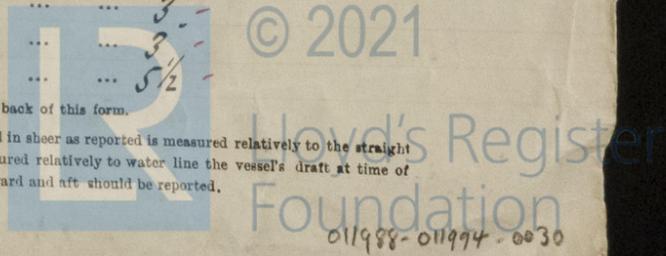
Winter Freeboard	<u>2-1 3/4</u>
Summer Freeboard	<u>3</u>
Indian Summer Freeboard	<u>1-10 3/4</u>
N. A. Winter Freeboard	<u>1-4 3/4</u>
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side.	<u>2-4 1/4</u>
Winter Freeboard from deck line	<u>2-3 1/4</u>
Summer " " " "	<u>2-0 1/4</u>
Indian Summer " " " "	<u>1-9 1/4</u>
N. A. Winter " " " "	<u>2-5 1/4</u>

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

Fresh Water Line above centre of Disc	<u>4 1/2</u>
Indian Summer Line " " " "	<u>3</u>
Winter Line below " " " "	<u>3</u>
Winter North Atlantic Line " " " "	<u>5 1/2</u>

† At 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 stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth 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.



Do all the Frames extend to the top height in the Poop? _____ Raised Quarter Deck? _____ Bridge House? _____ Forecastle? _____
 To what height do the Reverse Frames extend? _____
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? _____
 Give particulars of the means for closing the openings in Bulkhead _____
 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? _____
 How are the openings closed? _____
 Is the Forecastle at least as high as the main or top-gallant rail? _____ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? _____
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised }
 Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? } _____
 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:— } _____

Position and Size.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
Item.													
COAMING.	Height above top of DECK												
	Thickness { Sides..... Ends.....												
SHIFTING BEAMS OR WEB PLATES.	Number												
	Section and Scantlings												
	Material												
* FORE AND AFTERS.	Number												
	Section and Scantlings												
	Material												
HATCHES	Thickness												
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? _____

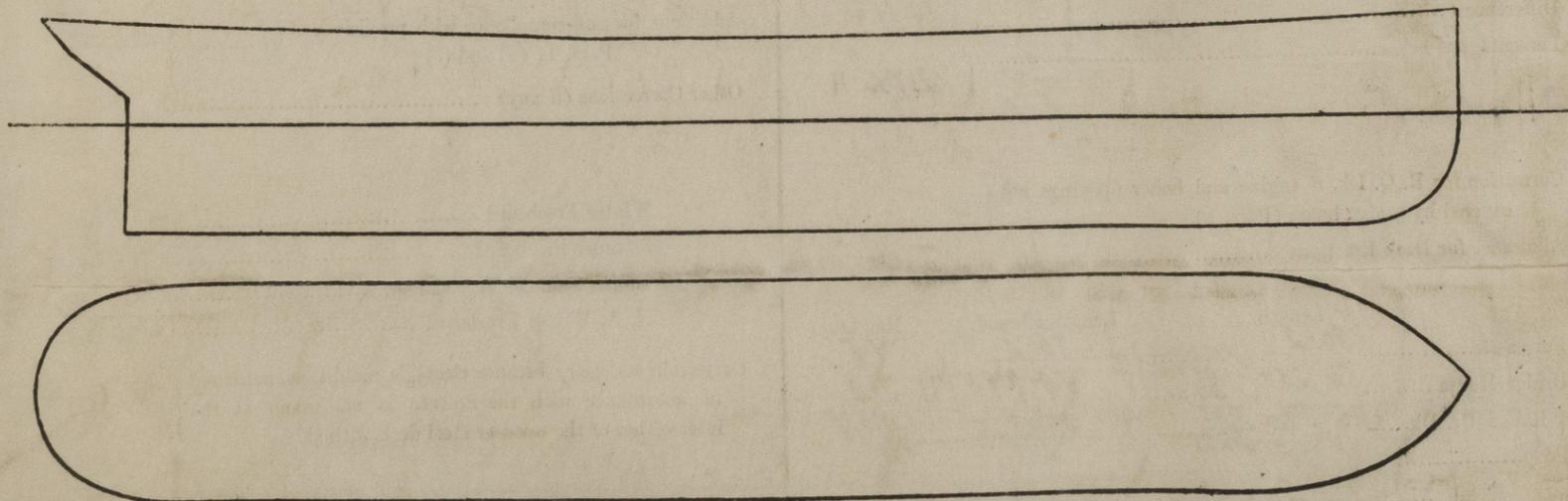
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

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

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel)	=	_____ Sq. ft.
	x		x				
	x		x				

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.

State any special features in the construction of the Vessel *There are no special features.*

Builder's name and yard number *Messrs J. Crown & Sons Ltd S/S Nos 176 & 177.*

Names of sister vessels *S/S Speedfast. See P.L.A. Rpt No. 28722.*

Owners *W. Runciman & Co Ltd The approved plans are in the London Office.*

Address *Newcastle-on-Tyne.*

Fee £ *6:* Received by me *See F.C. Report.*

Will be charged on completion



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