

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Report No. 78898

Index No.

(For London Office only.)

23 FEB 1925

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 *Newcastle-on-Tyne*

Date of Survey *20. 2. 25*

Name of Surveyor *R. Langlands.*

Ship's Name	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
<i>"ASCANIA"</i>	<i>Liverpool</i>	<i>147307</i>	<i>13911</i>	<i>1924</i>	<i>+ 100 ft (contemplated) shelter dk with freeport.</i>
Number in Register Book	<i>63594</i>				

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<i>520'0</i>	<i>65'35</i>	<i>39'1</i>	<i>10696</i>
Length on LOADLINE.	<i>518'3</i>	Frame Depth <i>11 1/2</i> Peeling <i>fits</i> Peak <i>2 1/2</i>	Rule <i>8</i> Sheer <i>+ 58</i> Tanks	
		<i>3 1/4</i>		
		<i>- 54</i>		
CORRECTED DIMENSIONS.	<i>518'3</i>	<i>64'81</i>	<i>39'68</i>	<i>10696</i>

Moulded Depth as measured..... *43'0*

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.....	<i>518'3</i>	
Length in Table	<i>516'0</i>	
Difference	<i>2'3</i>	
Correction for 10ft., Table A.	<i>1'4</i>	Table C. <i>0'8</i>
× Difference divided by 10	<i>391</i>	(if required.) <i>1'84</i>
If 1/10ths length covered divide by 2	<i>+ 1/2"</i>	<i>+ 1/4"</i>

CORRECTION FOR IRON DECK.

Proportion covered, if less than 7/10ths length covered	<i>1</i>
Thickness of usual wood deck, less stringer	<i>3 1/2"</i>
<i>2" Vitchi's Compression on Bridge</i>	<i>- 1 1/2"</i>

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<i>65'0</i>	
Round of Beam	<i>4"</i>	
Normal round.....	<i>16'25</i>	
Difference	<i>12'25 ÷ 2 = 6'12</i>	
Proportion of Deck uncovered (Para. 19)	<i>.50</i>	<i>+ 3"</i>

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

Co-efficient of fineness.....	<i>.80</i>
Any modification necessary [Para. 4 (a) to (e)]*	<i>C.B. .02 = 78</i>
Co-efficient as corrected	
Sheer { Stem..... <i>108</i> } <i>162 ÷ 2 = 81</i> ...Mean	
at { Sternpost ... <i>54</i> }	
Sheer at 1/2 of the length from { Stem <i>60 1/2</i> } <i>91 ÷ 2 = 45'5</i> ...Mean	
{ Sternpost <i>30 1/2</i> }	
Gradual mean Sheer	<i>81'86</i>
Standard mean Sheer [Table, Para. 18]	<i>61'81</i>
Difference.....	<i>20'05 ÷ 4 = 5'</i>
§ If limited as Para. 18 (f)	<i>- 5"</i>

Rise in Sheer from amidships [Para. 18 (e)]	At front of bridge house.....	<i>-</i>
	At after end of forecastle	<i>-</i>

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<i>(12'8 - 5'3)</i>	<i>9'5"</i>
Correction for Length, if required (Para. 12, 13, and 14)		<i>+ 1/4</i>
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) }		<i>9'5 1/4</i>
Difference		<i>12'3 1/2</i>
Percentage as below		<i>2'10 1/4</i>
		<i>30 40</i>
		<i>10'28</i>

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

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	<i>424'64</i>	<i>411'37</i>	<i>8'3</i>
Bridge House			
† Raised Qr. Dk.....			
Poop.....			
Total		<i>411'34</i>	<i>7'94</i>
Length of Ship	<i>518'3</i>		
Corresponding percentage (Para. 11, 12, 13, or 14) }	<i>Limited to 30%</i>		

FREEBOARD 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	"	

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Winter Freeboard	
Summer Freeboard	
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 iron deck with side.

Winter Freeboard from deck line	
Summer " " "	
Indian Summer " " "	
N. A. Winter " " "	

2" Compression on Steel *12'6 1/2* For all seasons

MARKING FORM

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 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.

† 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 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.

An additional mark to be placed on the vessel's sides to be shown on the attached sketch corresponding to a moulded draught of 29'2 1/2 (29-2 1/2) approved by the Board of Trade.

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REGISTERED

Foundation

copy to B.T. 24.2.25

Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? ☒ Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *Bulk angle & deep framing*
 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? *yes*
 Give particulars of the means for closing the openings in Bulkhead *Two hinged wt. doors 5'6" x 3'0" sill 12" above water*
 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 - 52 B. a spaced 31" + 24"*
 Are bracket plates fitted at each end of the Stiffeners? *Face plates 12 x 40 T + B.* 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? *wood doors*
 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? *yes*
 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:— *yes*

Position and Size.	N ^o 1 = 13-6 x 12-0		N ^o 2 = 15-8 x 12-0		N ^o 3 = 15-11 x 14-0		N ^o 4 = 15-4 x 16-0		N ^o 5 = 10-8 x 16-0		N ^o 6 + 7 = 13-4 x 12-0	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	30"		30"		30"		30"		30"		30"	
Thickness { Sides.....	44		44		44		44		44		44	
{ Ends.....	44		44		44		44		44		44	
SHIFTING BEAMS OR WEB PLATES. Number	2		2		2		2		1		2	
Section and Scantlings	P. 12-8 x 35		Same as N ^o 1		P. 12-8 x 35		P. 12-8 x 34		P. 12-8 x 30		Same as N ^o 1.	
Material	Stl				Stl		Stl		Stl			
* FORE AND AFTERS. Number												
Section and Scantlings	✓		✓		✓		✓					
Material												
HATCHES Thickness	3"		3"		3"		3"		3"		3"	
Remarks.....	wp.		wp.		wp.		wp.		wp.		wp.	

* 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.) *10.8 1/4" below C. dk.*

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? _____

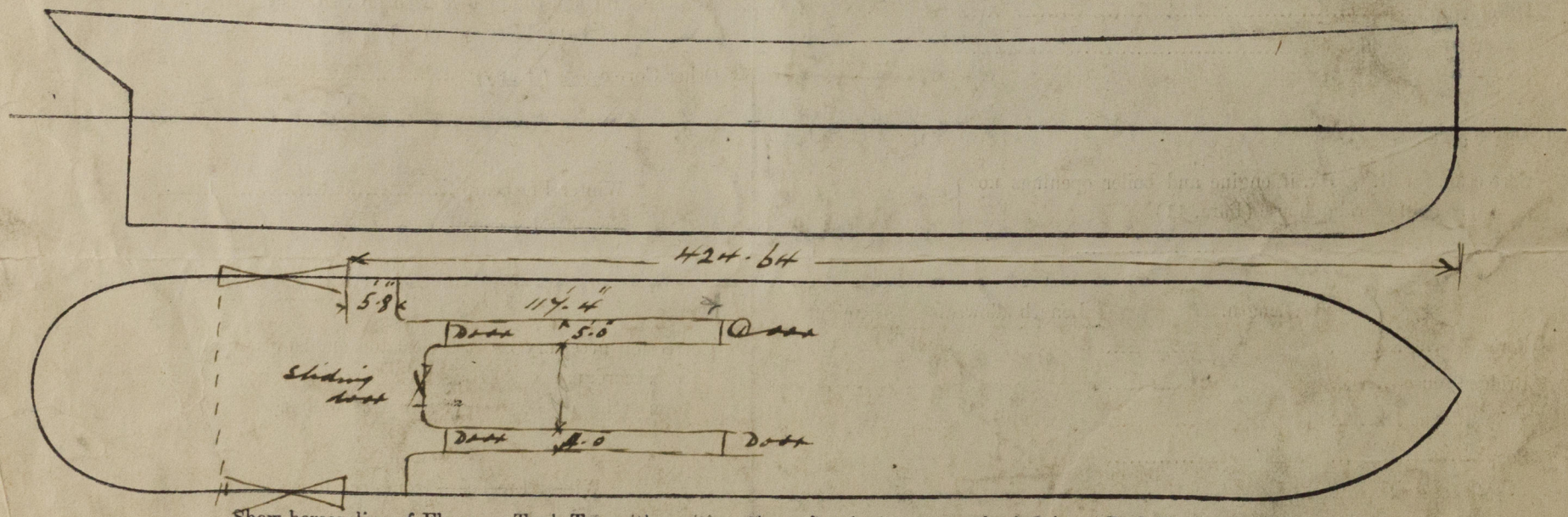
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

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

Ft. Tenth.	Ft. Tenth.	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 _____

Builder's name and yard number *See M.G. Armstrong, Whitwell & Co N. 941*

Names of sister vessels *S/S Ansonia, Ansonia N. 940*

Owners *Command S.S. Co. P.*

Address *Liverpool*

Fee £ *15* : - : - Received by me *See L.C. Report.*