

Preliminary

Index No. 30752  
(For London Office only.)

# 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  
Date of Survey 6<sup>th</sup> January 1923  
Name of Surveyor

Ship's Name <i>Swan &amp; Hamilton</i> 8.8. No. 1213.		Port of Registry and Nationality	Official Number	Gross Tonnage	Date of Build	Particulars of Classification <i>+ 100 A. 1 Contemplated</i>
Registered dimensions from Ship's Register	LENGTH 235.0	BREADTH 36.0	DEPTH 14.0	UNDER DECK TONNAGE 920	Moulded Depth as <sup>given</sup> measured 15' 11 1/2"	NOTE. — If the depth is measured when vessel is afloat, the details of measurement should be reported. 15-11 1/2 16-8 1/2 2-8 1/2 14-0
Length on LOADLINE	235.0	Frame Depth 7 1/4 Rule 4	Ceiling +.20 Sheer 2.03	Peak } Incl. Tanks } For Raised Tank Off. + 6 tons	Addition for Keel below base line for draught record.....inches.	
CORRECTED DIMENSIONS	235.0	35.71	14.23	925	CORRECTION FOR LENGTH. Length of Ship on Loadline..... 235 Length in Table ..... 191.5 Difference ..... 43.5 Correction for 10ft., Table A. .... 1.0 Table C. .5 x Difference divided by 10 ..... 4.35 (if required.) 2.175 If 1/10ths length covered divide by 2 + 2 1/4 for para: 11 } + 2 1/4 + 4 1/4 . . . . . 14	
Co-efficient of fineness	.775					
Any modification necessary [Para. 4 (a) to (e)]*	C.O.B.					
Co-efficient as corrected	.76 provisionally					
Sheer { Stem..... 54 } at { Sternpost... 15 }	69 ÷ 2 = 34.5 Mean 34.77 38.52 36.1.22 .03					
Sheer at 1/3 of the length from { Stem 30 } Sternpost 8.25	38.25 ÷ 2 = 19.12 Mean ÷ .65 = 34.77					
Gradual mean Sheer	34.63 19.12					
Standard mean Sheer [Table, Para. 18]	33.50 20.40					
Difference	1.13 ÷ .75 = .28 for para: 11 + .24 . . . . . 14					
§ If limited as Para. 18 (f)	for para: 11 — 1/4 + 1/4 + 1/4					
Rise in Sheer from amidships [Para. 18 (e)]	At front of bridge house At after end of forecastle					
Fall in Sheer Para. 18 (d)	÷ 2 =					
Length uncovered	Correction					
ALLOWANCE FOR DECK ERECTIONS:						
Freeboard, Table C	0" 8 1/2 0" 8 1/2					
Correction for Length, if required (Para. 12, 13, and 14)	+ 2 1/4 0" 10 3/4					
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	2" 8 3/4 2" 11 1/4					
Difference	2" 0 1/4 2" 0 1/2					
Percentage as below	40% 32%					
11 = - 1/4 + 2 1/4 - 8 1/2 = - 6 1/4 @ 4/10 = - 9.7	- 4.84					
14 = + 1/4 + 4 1/4 - 7 1/4 = - 3 1/4 @ 4/10 = - 8.5	- 8.5					
3 1/2 x .72 = 2.34	3 1/4 + 2 1/4 = 5 1/2 for 572 covered					
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	+ 1 1/4 para: 11 (1.2)					
Allowance for Deck Erections	- 5 1/2					
Length.	Length allowed.	Height.				
Forecastle..... 23.0	23.0	7.0				
Bridge House .....						
† Raised Qr. Dk..... 145.0 x 3.0	111.5	3.0				
Poop..... 3.9						
Total ..... 168.0	134.5	. 572				
Length of Ship ..... 235.0	235.0					
Corresponding percentage (Para. 11, 12, 13, or 14)						
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	" " "					
WINTER FREEBOARD						
Freeboard, Table A	2" 9					
Correction for Sheer	- 1/4					
Correction for Length	2" 9 1/4					
Allowance for Deck Erections	- 5 1/2					
Correction for Round of Beam	2" 3 1/2					
Correction for fall in Sheer (if any)						
Correction for Iron Deck (if required)	- 3					
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	Raised Quarter Deck + 3" 0					
Other Corrections (if any)	5" 0 1/2					
Winter Freeboard	5" 0 1/2					
Summer Freeboard	4" 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 iron deck with side.	+ 1 1/2					
Winter Freeboard from deck line	5" 2					
Summer " " " "	5" 0 1/4					
Indian Summer " " " "						
N. A. Winter " " " "						
STEEL RAISED QUARTER	5" 0 1/2					
Wood (Iron) Deck	3 1/2					
	1 1/2					

† 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.

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.

© 2020

Lloyd's Register  
W536-0320



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 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.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
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

67.0

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

Sq. ft.

Ft. Tenths. Ft. Tenths. No.

x

x

Freeing Ports (each side of vessel)

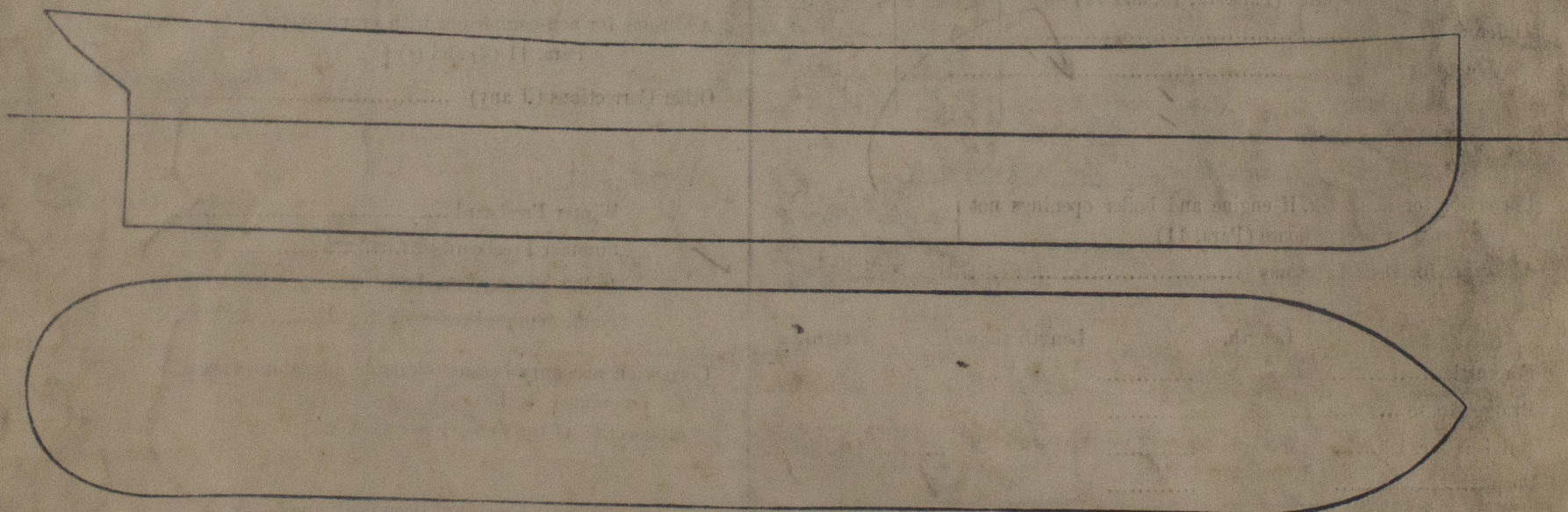
Sq. ft.

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

Names of sister vessels

Owners

Address

Fee £

Received by me



© 2020

Lloyd's Register Foundation