

Lloyd's Register of Shipping  
SURVEYS FOR FREEBOARD. STEAM SHIPS.

Index No. 28775  
(For London Office only.)

ARTICLES RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH  
GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR  
FOR GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS  
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Hull  
Date of Survey 10<sup>th</sup> March 1920  
Name of Surveyor Arthur Scullard

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S. Jacobus	Dundee British	144045	1262	New Vessel	+ 100 A.1. Class contemplated

Length.	Breadth.	Depth.	Under Deck Tonnage.
230.4	36.7	15.85	1087.62

Frame Depth	Ceiling	Peak
7.5	+ 20	Inc
Rule	4.5	Sheer + 4.4
3 x 2 = 6	3.0	Level tank
No spanning	+ 33	

Length.	Breadth.	Depth.	Under Deck Tonnage.
230.0	36.53	16.49	1087.62

Coefficient of fineness..... .78 ✓  
Modification necessary { - .02 ✓  
Para. 4 (a) to (e) \* }  
Coefficient as corrected ..... .76 ✓

Stem..... 63 } 99.25 ÷ 2 = 49.625. Mean  
Sternpost ... 36.25 }  
at 1/8 of the length from { Stem 35.5 } 53.875 ÷ 2 = 26.9375 Mean  
Sternpost 18.375 }  
al mean Sheer ..... 48.97 ✓ ÷ .55 = 48.97 ✓  
ard mean Sheer [Table, Para. 18] ..... 33.0 ✓ Correction  
Difference..... 15.97 ÷ 4 = 3.99  
mitted as Para. 18 (f) .....  
day - 4 ✓

in Sheer { At front of bridge house..... ✓  
amidships {  
18 (e) { At after end of forecastle ..... ✓  
l in Sheer }  
a. 18 (d) } ÷ 2 = ✓  
a uncovered ..... Correction

ALLOWANCE FOR DECK ERECTIONS:—

ard, Table C..... 11 1/2 ✓  
tion for Length, if required (Para. 12, 13, and 14) ..... + 3/4 ✓  
ard by Table A. corrected for sheer, and for length, } 1-0 1/4 ✓  
if required (Para. 12, 13, and 14) } 3-0 1/2 ✓  
ence ..... 2-0 1/4 ✓  
tage as below..... 34.72% ✓  
32% ✓  
7.76 ✓

tion for R. Q. Dk. if engine and boiler openings not }  
covered by bridge house (Para. 11) }  
nce for Deck Erections ..... - 7 3/4 ✓

Length.	Length allowed.	Height.
28'-3"	28.25	7'-6"
House ..... 68-10 2 frame	66.92	7'-0"
d Qr. Dk..... ✓	67.87	
19-0	19.0	7'-0"
Total ..... 115.12	114.17	
of Ship ..... 230		496
nding percentage { 32.0		.50
12, 13, or 14) } 34.72%		

BOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :— 2' 2" ... 2'-2 1/2"  
Fresh Water Line above centre of Disc ... 4 ... 4 1/2 ✓  
19. 3.20 Indian Summer Line " " " ... 2 1/2 ... 2 1/2 ✓  
Winter Line below " " " ... 2 1/2 ... 2 1/2 ✓  
Winter North Atlantic Line " " " ... 2 1/2 ... 2 1/2 ✓

Moulded Depth as measured..... 18'-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..... 230 ✓  
Length in Table ..... 216 ✓  
Difference ..... 14 ✓  
Correction for 10ft., Table A. .... 1.1 ✓ Table C. .5 ✓  
× Difference divided by 10 ..... 1.54 (if required.) .70 ✓  
If 1/10ths length covered divide by 2 + 1 1/2" + 3/4"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered ..... .50  
Thickness of usual wood deck, less stringer ..... - 3 1/2 = - 1 3/4"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 36'-6"  
Round of Beam ..... 9"  
Normal round..... 9.125  
Difference ..... 125 ÷ 2 = .0625  
Proportion of Deck uncovered (Para. 19) .....

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

Freeboard, Table A ..... 3'-3"  
Correction for Sheer ..... - 4 ✓  
2-11 ✓  
Correction for Length ..... + 1 1/2 ✓  
3-0 1/2 ✓  
Allowance for Deck Erections ..... - 7 3/4 ✓  
2-5 4 3/4 ✓  
Correction for Round of Beam..... ✓  
Correction for fall in Sheer (if any)..... ✓  
Correction for Iron Deck (if required) ..... - 1 3/4 ✓  
2-3 3/4 ✓  
Additions for non-compliance with provisions of }  
Para. 11 (d) and (e) ‡ } ✓  
Other Corrections (if any) ..... ✓

Winter Freeboard ..... 2'-3 1/2"  
Summer Freeboard ..... 2'-2 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 ..... 2'-4 3/4 1/2  
Summer " " " ..... 2'-2 1/2 1/2  
Indian Summer " " " ..... ✓  
N. A. Winter " " " ..... ✓

19. 3.20 Indian Summer Line " " " ... 2 1/2 ... 2 1/2 ✓  
Winter Line below " " " ... 2 1/2 ... 2 1/2 ✓  
Winter North Atlantic Line " " " ... 2 1/2 ... 2 1/2 ✓

† 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 the usual load draft forward and aft should be reported.

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19. 3. 20.

frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside ceiling should be reported if possible.  
els obtaining an allowance for deck erections under Para. 12, 13, and 14, where the sheer drops abaft amidships the total standard mean sheer means the sheer measured the stem and stern-post.  
In vessels having poops and forecastles, it means the height of the vessel's length from stem and stern-post.

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*Angle intermediate frames*

Do all the Frames extend to the top height in the Poop? *Alt* Raised Quarter Deck? *✓* Bridge House? *Alt* Forecastle? *✓*

To what height do the Reverse Frames extend? *✓*

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 *No openings*

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 *Bolted plates secured by bolts spaced not more than 12 inches apart*

What is the thickness of the Bridge Front plating? *30* and Coaming plate? *34*

Give scantlings and spacing of the Stiffeners *7" x 3 B.G. spaced 27" apart*

Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *No*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*

How are the openings closed? *Stomboards to full height*

Is the Forecastle at least as high as the main or top-gallant rail? *7'-6"* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *No (open)*

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? *Yes*

Give thickness of plating; scantlings and spacing of Stiffeners *✓*

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. 46'-0" x 18'-0"		No 2. 61'-4" x 18'-0"							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	36"		36"							
	Thickness { Sides.....	50		50							
	{ Ends.....	40		40							
SHIFTING BEAMS OR WEB PLATES.	Number .....	6 and one fixed		10 and one fixed							
	Section and Scantlings .....	(2) (4) 36 plates		(4) (6) depth of web at centre 22"							
	Material .....	angles 4" x 3" x .45									
* FORE AND AFTERS.	Number .....	none		none							
	Section and Scantlings .....										
	Material .....										
HATCHES Thickness .....		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 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? \_\_\_\_\_

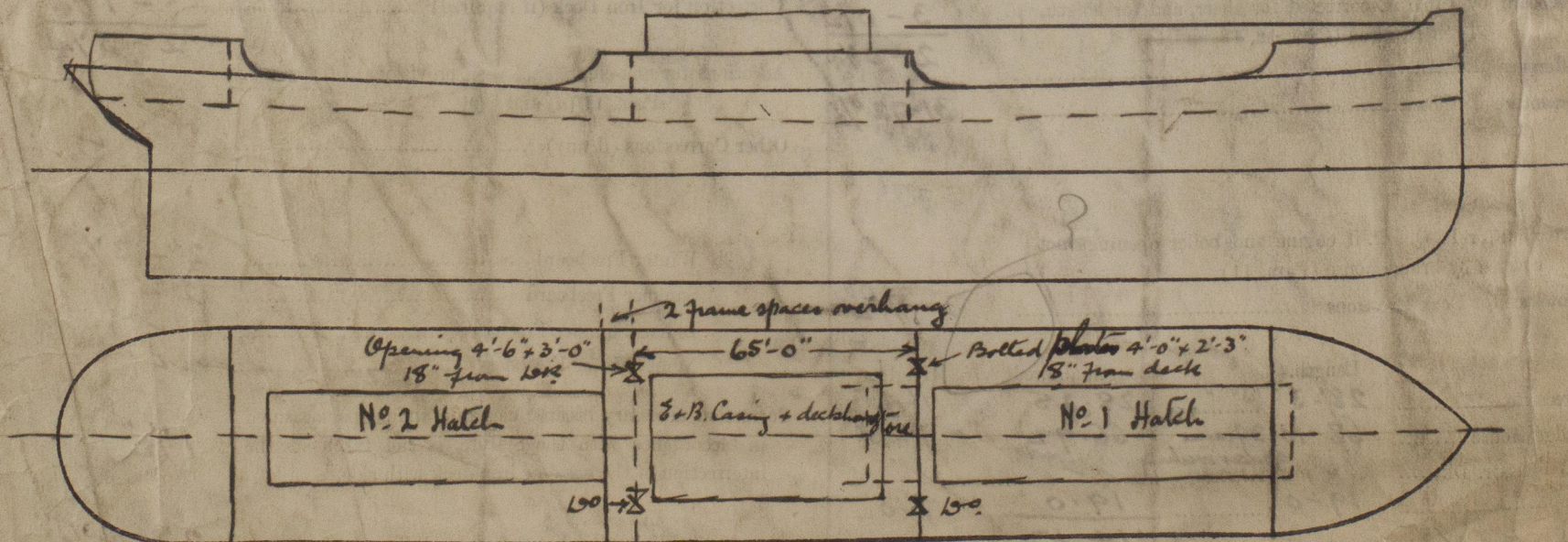
Delete the words { The Crew are, are not, berthed in the bridge house.  
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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

*This report refers to Messrs Livingston & Co's S.S. "Jacobus" No 175 the approved plans of which are forwarded for reference.*

Owners

Address

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Received by me

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