

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD - STEAM SHIPS.

N^o 29905

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
TO 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 *Sunderland*
Date of Survey *While building*
Name of Surveyor *H. Urwin*

Ship's Name, *(5 in 1) *Asklea* No 291*
Number in Register Book *Asklea*
Port of Registry and Nationality. *Newcastle*
Official Number. *149491*
Gross Tonnage. *1928*
Date of Build. *1928*
Particulars of Classification. **100A1 with freeboard (Contemplated)*

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	367.4	51.5	25.1	3944.88
Length on LOADLINE.	366.5	Frame Depth 12 Rule	Ceiling + .20 Sheer + 1.25	Peak Tanks
CORRECTED DIMENSIONS.	366.5	50.5	26.55	3944.88

Co-efficient of fineness..... *803*
Any modification necessary {
[Para. 4 (a) to (e)]* }
Co-efficient as corrected *.783*

Sheer { Stem..... *117* } *180 ÷ 2 = 90* ... Mean
at { Sternpost ... *63* }
Sheer at $\frac{1}{2}$ of the length from { Stem *67* } *101 ÷ 2 = 50.5* ... Mean
Sternpost *34* } *÷ 55% = 91.81*
Gradual mean Sheer *90 + 91.81 = 90.90*
Standard mean Sheer [Table, Para. 18] *46.65*
Difference..... *44.25* ÷ 4 = *11.07*
§ If limited as Para. 18 (f) *- 11*

Rise in Sheer { At front of bridge house..... ✓
from amidships {
[Para. 18 (e)] { At after end of forecastle ✓
Fall in Sheer {
Para. 18 (d) } ÷ 2 =
Length uncovered Correction ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *3.6*
Correction for Length, if required (Para. 12, 13, and 14) ✓

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) *5.8*

Difference *2.2*
Percentage as below..... *94.364*

$$\frac{26 \times 94.364}{100} = 24.53$$

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓
Allowance for Deck Erections *- 2.0/2*

Length. *332.75* Height. *7.6*
Forward lower decks *333.09*
Forecastle *4.66*
Bridge House *4.67*
After lower decks *28.75*
Raised Q. Dk. *29.08*
Poop *28.75*
Total *361.84*
Length of Ship *366.50*
Corresponding percentage { *94.364*
(Para. 11, 12, 13, or 14)

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

Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " "
Winter North Atlantic Line " "

Moulded Depth as measured..... *27' 6"*
Addition for Keel below base line for draught record..... *2* inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... *366.5*
Length in Table *330.0*
Difference *36.5*
Correction for 10ft., Table A. *1.4* Table C.
× Difference divided by 10 *5.11* (if required.)
If $\frac{1}{10}$ this length covered divide by 2 *2.55*
= *+ 2 1/2*

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ this length covered *3 1/2*
Thickness of usual wood deck, less stringer *- 3 1/2*

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... *50' 1"*
Round of Beam *12*
Normal round..... *12 1/2*
Difference *1/2 ÷ 2 = 1/4*
Proportion of Deck uncovered (Para. 19) *.0064*

Freeboard, Table A *6.7*
Correction for Sheer *- 11*
Correction for Length *5.8*
Allowance for Deck Erections *+ 2 1/2*
Correction for Round of Beam *5.10 1/2*
Correction for fall in Sheer (if any) *- 2.0 1/2*
Correction for Steel Deck (if required) *3.10*
Additions for non-compliance with provisions of Para. 11 (d) and (e) † ✓
Other Corrections (if any) ✓

Winter Freeboard *3.6 1/2*
Summer Freeboard *3.1*
Indian Summer Freeboard *2.7 1/2*
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 steel deck with side. *1 3/4*

Winter Freeboard from deck line *3.8 1/4*
Summer " " " " *3.2 3/4*
Indian Summer " " " " *2.9 1/4*
N. A. Winter " " " " *-*

† 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.

11 DEC 1928

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.

2m. 24. T.

FM 10525
2825 x 40 = 6.88

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MARKING FORM
15 JAN 1928

FOUNDATION

W421-0021

Do all the Frames extend to the top height in the Poop? ☒ Quarter Deck? ☒ Bridge House? ☒ 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? *Complete Superstructure deck with tonnage opening of 4'-8" x 18'-0"*

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 *Efficient temporary covers are provided for closing the openings in the Shelter Deck and are fitted with eye-plates and lashings. The two*

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?

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

How are the openings closed? *Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?*

Is the Forecastle at least as high as the main or top-gallant rail? *bulkheads in the Tonnage well are of steel and bulkhead having two openings 5'-6" x 3'-6" closed with storm boards in riveted channels full height*

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?*

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Covered by Superstructure decks and casings.*

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*

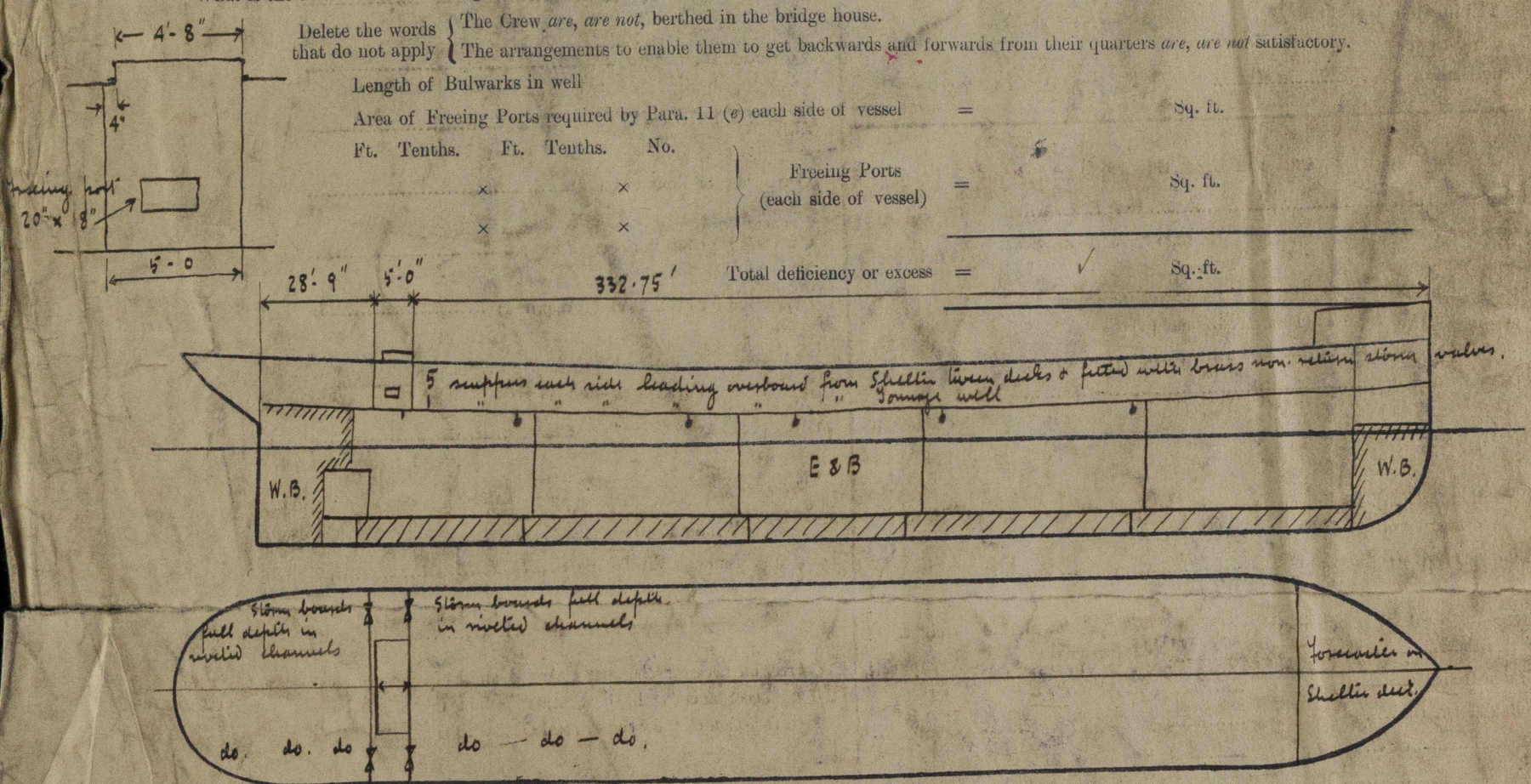
Position and Size.	No. 1. 24'-9" x 18'-0"		No. 2. 30'-0" x 18'-0"		No. 3. 12'-6" x 18'-0"		No. 4. 30'-0" x 18'-0"		No. 5. 25'-0" x 18'-0"		No. 6. 12'-6" x 13'-0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	36"	as approved	36"	as approved	36"	as approved	36"	as approved	36"	as approved	36"	as approved
COAMING Thickness	Sides	do.	do.	do.	do.	do.	do.	do.	do.	do.	do.	do.
	Ends	do.	do.	do.	do.	do.	do.	do.	do.	do.	do.	do.
SHIFTING BEAMS OR WEB PLATES	Number	4	4	4	4	4	4	3	3	3	1	1
	Section and Scantlings	14 x 36	do.	14 x 32	do.	14 x 32	do.	14 x 32	do.	14 x 32	do.	11 x 32
	Material	Steel	do.	Steel	do.	Steel	do.	Steel	do.	Steel	do.	Steel
* FORE AND AFTERS	Number	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
	Section and Scantlings	nil	do.	nil	do.	nil	do.	nil	do.	nil	do.	do.
	Material	nil	do.	nil	do.	nil	do.	nil	do.	nil	do.	do.
HATCHES Thickness	2 1/2	do.	2 1/2	do.	2 1/2	do.	2 1/2	do.	2 1/2	do.	2 1/2	do.
Remarks	Good		Good		Good		Good		Good		Good	

* 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?*



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 *Complete superstructure vessel with tonnage opening aft.*

Builder's name and yard number *Sir J. Priestman & Co Yard 40291.*

Names of sister vessels *except for slight modifications: - "Barbara Marie", "Francis Waring", "Holmes", "Farnside" etc.*

Owners *The Cliffside Shipping Co*

Address *Newcastle*

Load displ (24'-7 3/4" draft) = 10525 tons

T. P. I. 38.25

Moulded displ. at 85% of depth = 9975

T. P. I. 38.15

Fee 9 : 3 : 4 Received by me *See F.S. Report*

Will be changed on completion.