

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 **30-8-27**

Name of Surveyor

Ship's Name.
ST. ARISTELLPort of Registry
and Nationality.
Newcastle N.S.W.Official
Number.
145042Gross
Tonnage.
412.67Date of Build.
1920

Particulars of Classification.

+ A1 for towing purposes.

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	135.2	29.1	13.65	369.75
Length on LOADLINE.	135.2	Frame Depth 6 Rule 3 1/2 *2 = .42	Ceiling ✓ Sheer +1.04 Depth 13.65 ord. floor +1.32	Peak Tanks ✓ Feet (all) +8.51 scantling ✓
CORRECTED DIMENSIONS.	135.2	28.68	16.01	378.26

Moulded Depth as measured.....

Rule wood & k. in str.**16'-0"**

Addition for Keel below base line for draught record.....inches.

15'-9"

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

CORRECTION FOR LENGTH

Length of Ship on Loadline.....	135.2
Length in Table	189.0
Difference	53.8
Correction for 10ft., Table A.	1.0 Table C. ✓
× Difference divided by 10	5.38 (if required.)
If 1/10ths length covered divide by 2	-5 1/2"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered

Thickness of usual wood deck, less stringer

Allowed in Mld. Depth reduced

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	
Round of Beam	7"
Normal round.....	7"
Difference	✓ ÷ 2 =
Proportion of Deck uncovered (Para. 19)	✓

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

Co-efficient of fineness.....

Any modification necessary }
[Para. 4 (a) to (e)]*

Co-efficient as corrected

.61**✓****.68 (Lowest in Tables)**Sheer { Stem..... **72** } **108** ÷ 2 = **54** ...Meanat { Sternpost ... **36** } **36** ÷ 2 = **18** ...MeanSheer at 1/8 of the length from { Stem **46** } **67** ÷ 2 = **33.5** ...Mean{ Sternpost **21** } **21** ÷ 2 = **10.5** ...MeanGradual mean Sheer **allowed 57.45** ÷ 55 = **60.9**Standard mean Sheer [Table, Para. 18] **23.52** CorrectionDifference..... **33.93** ÷ 4 =§ If limited as Para. 18 (f) Limited **23.52** ÷ 4 = **2.94****-3"**Rise in Sheer { At front of bridge house..... } **✓**from amidships { At after end of forecastle } **✓**

[Para. 18 (e)]

Fall in Sheer { } **✓**

Para. 18 (d) { } ÷ 2 =

Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....

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) }

Difference

Percentage as below.....

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.....

Bridge House

† Raised Qr. Dk.....

Poop.....

Total

Length of Ship

Corresponding percentage }

(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

Winter North Atlantic Line

below

below

below

† 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.

† 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? Flush - Decked
 To what height do the Reverse Frames extend? Across floors only
 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? ✓
 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? ✓
 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? ✓
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Casings
 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 28" Stiffeners 2 1/2" x 2 1/2" spaced 24" apart
 What is the height of the exposed Casings? 3'-6"
 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:— Coaling hatchway fore end of engine casing 10'-0" x 3'-0" high

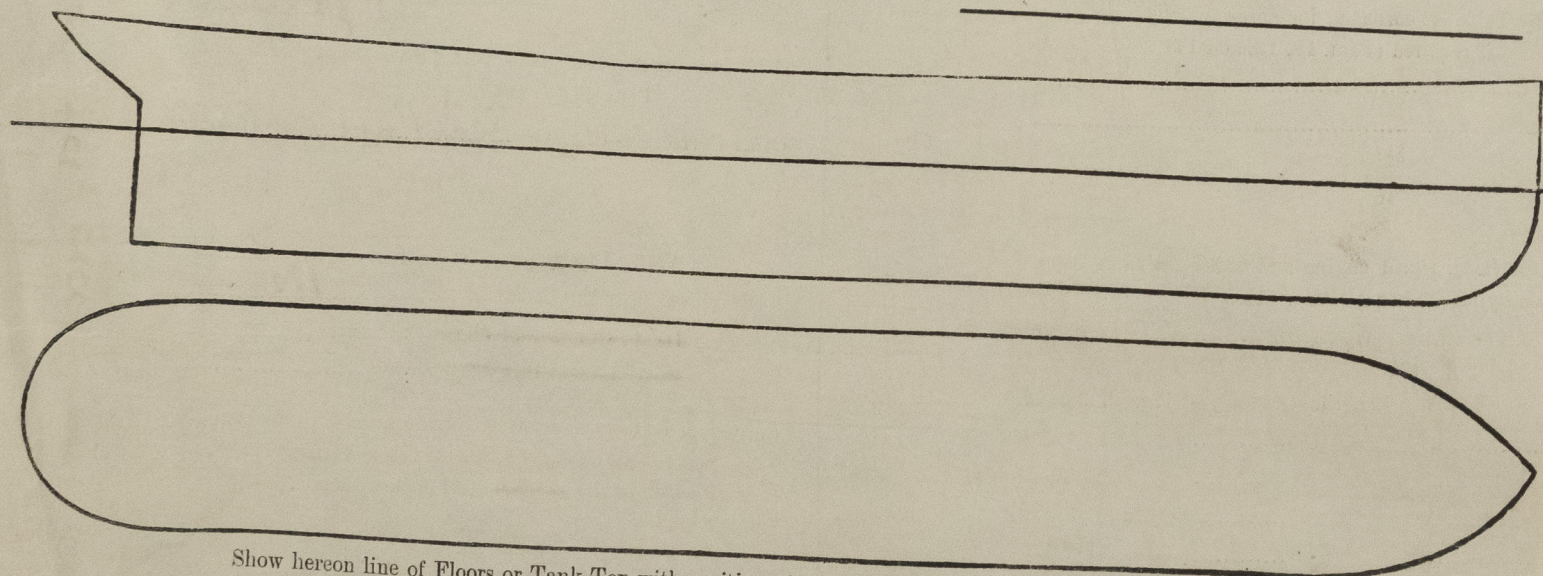
Position and Size.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
COAMING.	Height above top of DECK																
	Sides.....																
THICKNESS	Ends.....																
SHIFTING BEAMS OR WEB PLATES.	Number.....																
	Section and Scantlings.....																
	Material.....																
* 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 that do not apply { The Crew are, are not, berthed in the bridge house.
 { 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.	
2	5	x	1	0	x 5
		x			x

 Freeing Ports (each side of vessel) = 12.5 Sq. ft.
 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 Rescue Type
 Builder's name and yard number
 Names of sister vessels
 Owners
 " Address
 Fee £
 Received by me