

004900-004905-004116
93291
Index No. 2910
(For London Office only.)
Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD-STEAM SHIPS. 19 SEP 1928

ARTICLES RELATING TO ALL STEAM SHIPS, EITHER FLUSH DECKED, OR WITH
TO PLANT 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.
Shelter D^h with bonnage opening at aft end 6'6" x 20'0".

Port of Survey NEWCASTLE-ON-TYNE
Date of Survey 19th September 1928.
Name of Surveyor Thomas. S. Shute.

Ship's Name. "Port Alma."
Number in Register Book
Port of Registry and Nationality. London.
British.
Official Number. 160615
Gross Tonnage. ✓
Date of Build. New.
Vessel.
Particulars of Classification. 100. A. 1. 'with freeboard'
(Contemplated)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>477.3</u>	<u>63.25</u>	<u>31.0</u> <u>Journal</u> <u>1.02</u>	<u>7275.90</u>
Length on LOADLINE.	<u>475.3</u>	mean Frame Depth <u>9</u> Rule <u>1 1/2</u> <u>4 = 8 x 2</u> <u>4 = 33.25</u> <u>Sparking or insulation.</u> <u>fitted.</u>	Ceiling or Insulation <u>fitted.</u> Sheer <u>+ .71</u> Drop of Tank <u>3</u> Top to margin <u>+ .125</u>	Peak Tanks <u>Included.</u> <u>E. R. Tank</u> <u>(D.B.)</u> <u>+ 77.0 Tons.</u> <u>Cruiser Stern.</u> <u>- 42.0 Tons.</u>
CORRECTED DIMENSIONS.	<u>475.3</u>	<u>62.92</u> <u>63.00</u>	<u>32.855</u>	<u>7310.90</u>

Moulded Depth as measured..... Upper D^h = 34'9"

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

Addition for Keel below base line for draught record..... 2 1/2 inches.

CORRECTION FOR LENGTH

Length of Ship on Loadline.....	<u>475.3</u>
Length in Table	<u>477.0</u>
Difference	<u>58.3</u>
Correction for 10ft., Table A.	<u>1.7</u> Table C.
× Difference divided by 10	<u>9.91</u> (if required.)
If 1/10ths length covered divide by 2	<u>4.95</u> <u>+ 5</u> ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered Complete Shelter D^h.
Thickness of usual wood deck, less stringer 3 1/2 - 3 1/2 ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>62.0</u>
Round of Beam	<u>15 3/4</u>
Normal round.....	<u>15 1/2</u>
Difference	<u>4</u> ÷ 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..... .743
Any modification necessary } - .02 Cellular D.B.
[Para. 4 (a) to (e)]* }
Co-efficient as corrected72 ✓

Sheer { Stem..... 107.5
at { Sternpost ... 55.5 } 163 ÷ 2 = 81.5 ... Mean 82.95
57.53
36125.42
.706

Sheer at 1/3 of the length from { Stem 60
Sternpost 31.25 } 91.25 ÷ 2 = 45.625 Mean 82.95
÷ 55 = 82.95

Gradual mean Sheer ... 81.5 + 82.95 ... = 82.225
2

Standard mean Sheer [Table, Para. 18] 57.53 Correction
Difference..... 24.695 ÷ 4 = 6.173.

§ If limited as Para. 18 (f) ✓ - 6 1/4 ✓

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 Lowest point of sheer amidships
Correction ✓

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>6-2</u> ✓
Correction for Length, N required (Para. 12, 13, and 14) !!...	✓
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) !!	<u>8-8 3/4</u> ✓
Difference	<u>2-6 3/4</u> ✓
Percentage as below.....	<u>94.42</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓
Allowance for Deck Erections - 2' 5" ✓

	Length.	Length allowed.	Height.
Forecastle.....	<u>51.5</u>	—	<u>7.5</u>
Bridge House.....	—	—	—
Shelter D ^h for engine openings.....	<u>44.5.52</u>	<u>44.5.52</u>	<u>7.5</u>
↑ Raised Q. Dk. Opening.....	<u>6.5</u>	—	—
Poop.....	<u>24.28</u>	<u>24.28</u>	<u>7.5</u>
Total	<u>475.30</u>	<u>469.80</u>	—
Length of Ship	—	<u>+ 2.75 = 1/2 Diff^{ce}</u>	—
Corresponding percentage { (Para. 11, 12, 13, or 14) }	—	<u>472.55</u> <u>475.3</u>	<u>= .9942</u>

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :- (Upper) ... 6' 0"

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

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 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 line of keel or to the water line. If measured relatively to water line the vessel's draught survey, and also the usual load draft forward and aft should be reported.

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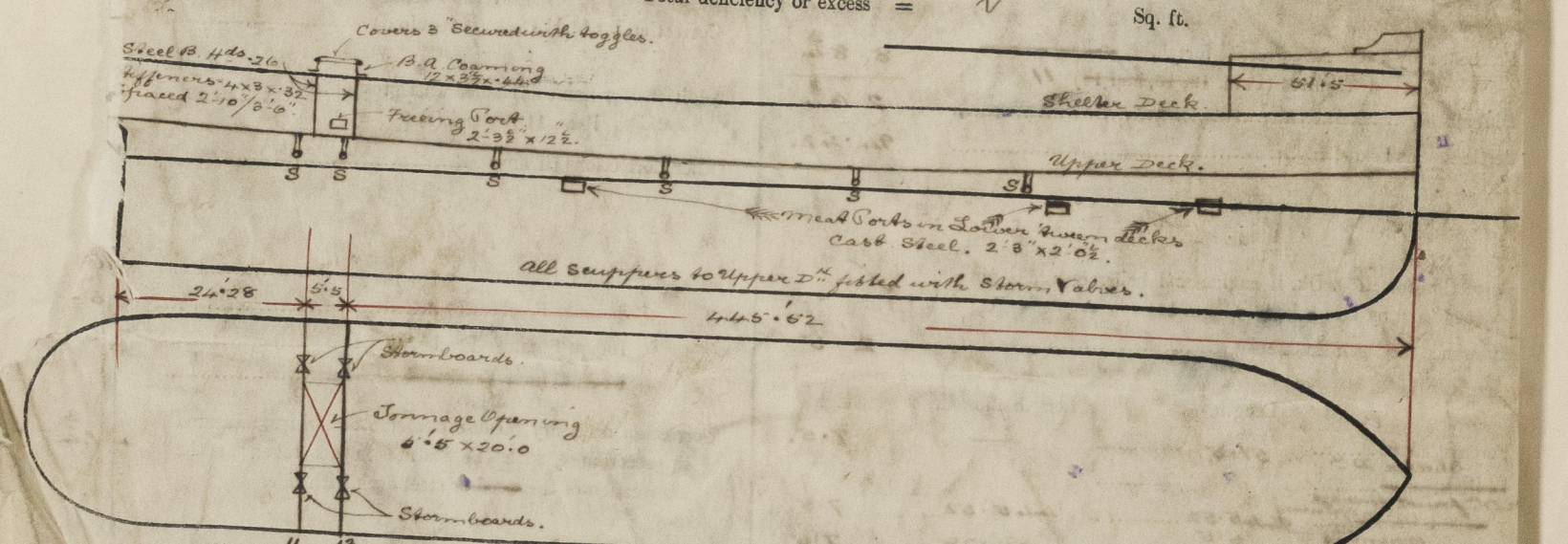
Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓* Bridge House? *Yes* Fore
 To what height do the Reverse Frames extend? *To 3rd Dⁿ* *No 1st Hdd to 2nd Dⁿ*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Two - 4'0". Closed with steel coamings & storm*
 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? *✓* *Complete Shelter Deck with bina*
 Give scantlings and spacing of the Stiffeners *✓* *opening at aft end 5'6" x 20'0"*
 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? *Yes*
 How are the openings closed? *Two - 4'0". Closed with steel coamings & storm boards full height in riveted*
 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? *Yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Closed with steel casings & surrounded with accor*
 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? *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:—

Position and Size.	Shelter Deck		Shelter Deck		Shelter Deck		Shelter Deck		Shelter Deck	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	2'6"	2'0"	2'6"	1'6"	2'6"	1'6"	2'6"	1'6"	2'6"	1'6"
Thickness										
Sides	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
Ends	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
Number	Five	Five	Five	Five	Four	Four	Five	Five	Four	Four
Section and Scantlings	Plate @ centre 18x36	Plate @ centre 18x36	Plate @ centre 13x36	Plate @ centre 13x36	Plate @ centre 13x36	Plate @ centre 13x36	Plate @ centre 13x36	Plate @ centre 13x36	Plate @ centre 13x36	Plate @ centre 13x36
Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Upper Deck Hatchways										
Number	Five	Five	Five	Five	Four	Four	Five	Five	Four	Four
Section and Scantlings	Plate @ centre = Two = 18x42	Plate @ centre = Two = 18x42	Plate @ centre = Three = 13x50	Plate @ centre = Three = 13x50	Plate @ centre = 18x36	Plate @ centre = 18x36	Plate @ centre = 13x36	Plate @ centre = 13x36	Plate @ centre = 13x36	Plate @ centre = 13x36
Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Fore & Afters										
HATCHES Thickness	3"	2 1/2"	3"	2 1/2"	3"	2 1/2"	3"	2 1/2"	3"	2 1/2"
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? *✓* No sidelights below U. Deck
 Delete the words, The Crew are, are not, berthed in the bridge house. *✓* Strake between Main and Bridge Sheerstrakes? *✓*
 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 *in way of midship Deckhouse only. Elsewhere = stanchions*
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *✓*
 Ft. Tenths. Ft. Tenths. No. = Sq. ft.

Freeing Ports (each side of vessel) = *✓* 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.
 any special features in the construction of the Vessel *Plans in London Office. No 1. 24 Hdds & Lower Tank insulated.*
 Builder's name and yard number *Swan, Hunter & Wigham Richardson Ltd. No 1341.*
 Names of sister vessels *"Port Fairy". Same Builders No 1339. Newcastle Report No 83/100.*
 Owners *Commonwealth & Dominion Line Ltd.*
 Address *London.*
 12 : 16 : 8.
 Received by me *See Lb. Report.*
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