

EXT Hull 246/33

Index No. 33348 (For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. STEAM SHIPS.

Australian 32696

REPORT No 49420

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 *Slagyn*
Date of Survey *While building*
Name of Surveyor *J. W. Howma*

Ship's Name. "ARMADALE"	Port of Registry and Nationality. <i>Demas</i>	Official Number. 161299	Gross Tonnage.	Date of Build. 1929	Particulars of Classification. <i>with freeboard</i> 100 A.1. Shellin th. Complanit
Number in Register Book					

Registered dimensions from Ship's Register. LENGTH. 410.5	BREADTH. 54.25	DEPTH. 25.75	UNDER DECK TONNAGE. 4711.44
Length on LOADLINE. 410	Frame Depth Rule 10 1/2	Ceiling 7.20 Sheer 71.23 <i>2 normal DB = 2R + 1.42</i>	Peak 3 incl Tanks Round DB = 2R + 4.2 <i>6" diam. TP</i>
CORRECTED DIMENSIONS. 410	53.66	28.68	4737.60

Moulded Depth as measured..... **29.10**

Addition for Keel below base line for draught record... **2.79** inches.

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

29-10
1-1/2
30-11/2
3-8
27-2

Co-efficient of fineness..... **.75**

Any modification necessary [Para. 4 (a) to (e)]* *Call 0.13*

Co-efficient as corrected **.73**

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... **410**

Length in Table **357.5**

Difference **52.5**

Correction for 10ft., Table A. **1.5** Table C.

× Difference divided by 10 **7.87** (if required.)

If 1/10ths length covered divide by 2 **3.93 = 4**

30-11/2
5-11/2
28-10

Sheer { Stem..... **132**
at { Sternpost ... **54** } **186** ÷ 2 = **93** Mean **95.45**

Sheer at 1/2 of the length from { Stem **75**
Sternpost **30** } **105** ÷ 2 = **52.5** Mean **95.45**

Gradual mean Sheer **90.22**

Standard mean Sheer [Table, Para. 18] **51.00**

Difference..... **43.22** ÷ 4 = **10.8**

§ If limited as Para. 18 (f) **-10 3/4**

CORRECTION FOR IRON DECK.

Proportion covered, if less than 7/10ths length covered **3 1/2**

Thickness of usual wood deck, less stringer **3 1/2**

- 3 1/2

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

CORRECTION FOR ROUND OF BEAM.

Breadth at U.D. amidships..... **53.63/4**

Round of Beam **13 1/2**

Normal round..... **10.8**

Difference **11** ÷ 2 = **.00**

Proportion of Deck uncovered (Para. 19)

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

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... **4.2**

Correction for Length, if required (Para. 12, 13, and 14)

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) **6.4 3/4**

Difference **2.2 3/4**

Percentage as below..... **94.1%**

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) **2.1 1/4**

Allowance for Deck Erections **2.1 1/4**

Freeboard, Table A **7.8 1/2**

Correction for Sheer **10.4**

Correction for Length **6.8 3/4**

Allowance for Deck Erections **2.1 1/4**

Correction for Round of Beam..... **4.7 1/2**

Correction for fall in Sheer (if any).....

Correction for Steel Deck (if required) **3 1/2**

Additions for non-compliance with provisions of Para. 11 (d) and (e) †

Other Corrections (if any)

Winter Freeboard **4.4**

Summer Freeboard **3.10**

Indian Summer Freeboard **3.4**

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**

	Length.	Length allowed.	Height.
Forecastle.....	361.59	362.93	8.4 1/2
Bridge House	5.37		
↑ Raised Qr. Dk.....			
Poop.....	40.08	38.75	8.4 1/2
Total	410.00	402.68	
Length of Ship		31.66	
Corresponding percentage (Para. 11, 12, 13, or 14)	94.1%	409.34	99.1%

Winter Freeboard from deck line **4.5 3/4**

Summer " " " " **3.11 3/4**

Indian Summer " " " " **3.5 3/4**

N. A. Winter " " " "

Steel Deck :- **3.11 1/2**

Depth at 857.5m = 12030
Draft @ 7607.12410
2m per inch 402

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck

Fresh Water Line above centre of Disc

Indian Summer Line " " " "

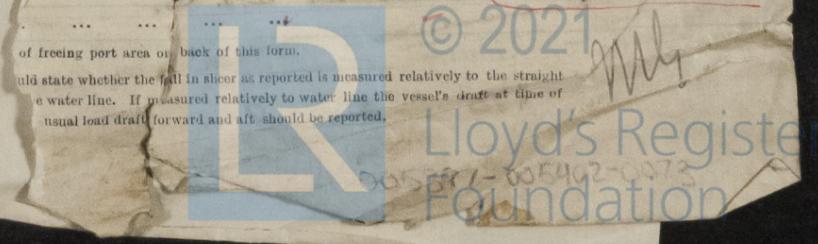
Winter Line below " " " "

Winter North Atlantic Line " " " "

© If the frames, or 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 vessels having poops and forecastles, it means the sheer measured at the stem and stern, and in vessels having poops and forecastles, it means the sheer measured at points distant 1/10th of the vessel's length from stem and stern-post.



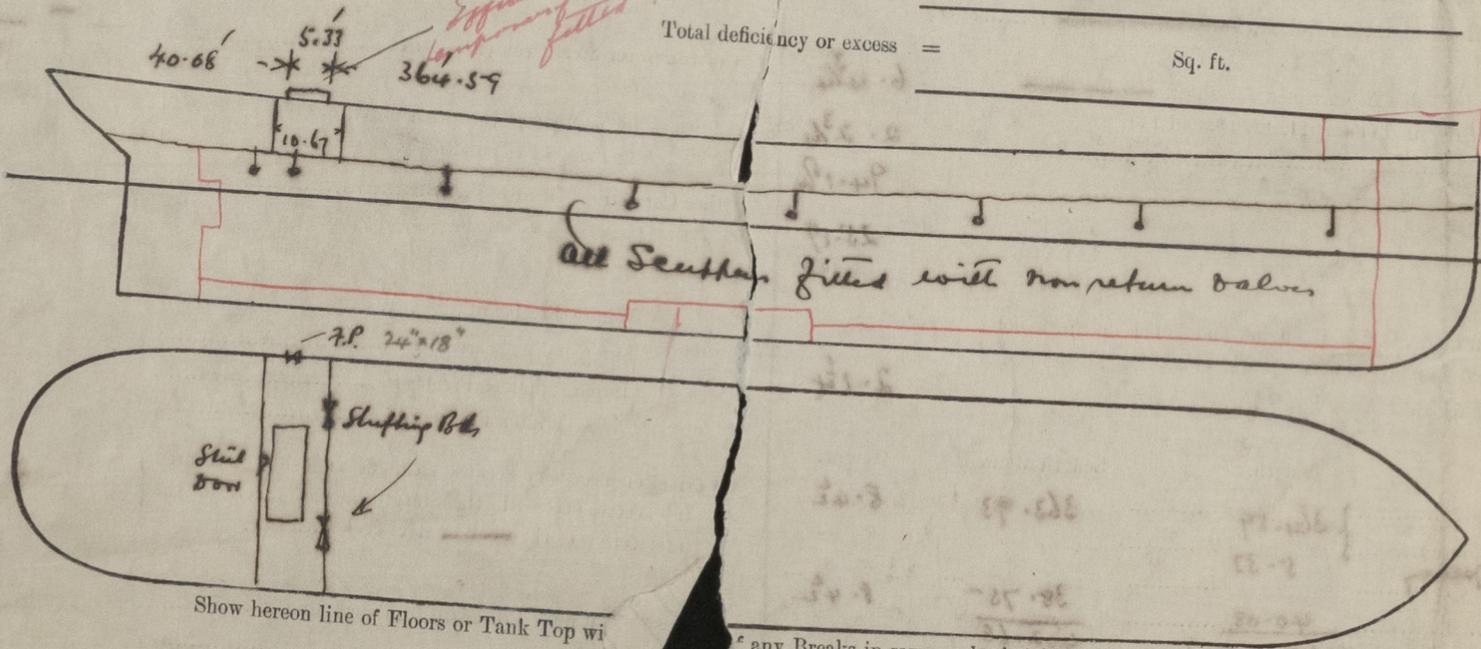
Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Bulk Angle frames*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Steel Hinged door*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Steel Hinged door*
 What is the thickness of the Bridge Front plating? *1/2"* and Coaming plate? *1/2"*
 Give scantlings and spacing of the Stiffeners *1/2"*
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Shifting board full height in riced channels*
 Is the Forecastle at least as high as the main or top-gallant rail? *Sheets OK* 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? *Shelter deck*
 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 *1/2"*
 What is the height of the exposed Casings? *1/2"* 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 27' 0" x 18' 0"		No 2 32' 0" x 18' 0"		No 3 13' 4" x 18' 0"		No 4 32' 0" x 18' 0"		No 5 24' 0" x 18' 0"	
Item.	Ship.	Fore.	Ship.	Fore.	Ship.	Fore.	Ship.	Fore.	Ship.	Fore.
COAMING. Height above top of DECK	32	44	32	44	32	44	32	44	32	44
Thickness	Sides	9x32x45 B.A.	Same as No 1							
	Ends	44	44	44	44	44	44	44	44	44
SHIFTING BEAMS OR WEB PLATES.	Number	4	4	5	5	2	2	5	5	4
	Section and Scantlings	17x36 4x3x44 Steel	17x36 4x3x44 Steel	13x32 4x3x44 Steel	17x36 4x3x44 Steel	12x32 4x3x44 Steel	16x36 4x3x44 Steel	13x32 4x3x44 Steel	17x36 4x3x44 Steel	12x32 4x3x44 Steel
* FORE AND AFTERS.	Number									
	Section and Scantlings									
HATCHES Thickness	3"	3"	3"	3"	3"	3"	3"	3"	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? *3"*
 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 = _____ Sq. ft.
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.
 Ft. Tenths. Ft. Tenths. No. = _____ Sq. ft.
 Freeing Ports (each side of vessel) = _____ Sq. ft.
 Total deficiency or excess = _____ Sq. ft.



State any special features in the construction of the Vessel
 Builder's name and yard number
 Names of sister vessels *M.V. Australis*
 Owners *Australand S.S. Co.*
 Address

any Breaks in same; also height of Peak Tank tops, &c., &c.
Deming Bros. No 1223
Spec. & Profile forwarded herewith
Deming Bros No 1217

Fee £ 10 : 1 : 8 Received

