

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 8455

State if Report is also sent on the Machinery of the Vessel *Yes*

Port of *SYDNEY N.S.W.* Date of completion of Report *16/10/24* Received at London Office *1 DEC 1924*
Survey held at *SYDNEY N.S.W.* Date, First Survey *28/6/23* Last Survey *3/10/1924*
On the (State if Single, Twin, or Triple Screw) *T. S. S. "FERNDALE"* Rig *Schooner - Two Masts*

TONNAGE under Tonnage Deck *4982.40*
Do. between Tonnage Dk. and 1st. Dk. *924.02*
Total under Upper Dk. *4982.40*
Do. of *CHART HOUSE* *4.90*
Do. of R. Or. Dk. *451.89*
Do. of Bridge Houses *59.80*
Do. of Forecastle *238.38*
Do. of Houses on Deck *22.02*
Do. of excess of Hatchways
Do. above Crown of Engine Room
Gross Tonnage *9686.41*
Less Crew Space *546.58*
Less above Crown of Engine Room
Net Tonnage *3099.65*
Less Engine Room *342.88*
Less Navigation Spaces AND CHAIN LOCKER
Register Tonnage as cut on Beam *5667.35*

CLASS *100A1 SHELTER DECK WITH FREEBOARD*
Breadth (greatest moulded) *63'-0"*
Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck *44'-0"*
Deduct height of 'tween deck when this does not exceed 8ft. *36'-0"*
Transverse Number *99*
Length on deck from fore part of stem to after part of sternpost *500'-0"*
Longitudinal Number *49,500*
Depth "d" at middle of length. See Secs. 2 & 13.... *20.92*
Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel *11.36*
" " " Upper Deck at side to top of keel *13.88*

Master *R. Galland*
Year of Appointment *6/10/1924*
Built at *SYDNEY N.S.W.*
When built *1924* **Launched** *11/6/24*
By whom built *Commonwealth Dockyard*
Owners *Australian Commonwealth L. of Steamers*
Managers *Australian Commonwealth Shipping Board*
(Where necessary to be entered in Reg. Book.)
Residence *Sydney N.S.W.*
Port belonging to *Sydney N.S.W.*

Destined Voyage *United Kingdom* If Surveyed while Building, Afloat, or in Dry Dock *Yes*

LENGTH on Deck as per Rule *500* Ft. *0* Ins. **BREADTH** Moulded *63* Ft. *0* Ins. **DEPTH, ACTUAL** Top of Floors to top of Awning or Shelter Dk. Beams *44* Ft. *0* Ins. Upper Deck Beams *31* Ft. *11* Ins. No. of Decks with flat laid *3* No. of Tiers of Beams *3*
Dimensions of Ship per Register, *500'* Length *63.2'* breadth *32.8'* depth, *32.8'* Upper Deck. Moulded depth, ft. *44* ins. *0* To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual *15 3/4* ins. Moulded depth, ft. *36* ins. *0* To Upper Dk.

FRAMING.				PILLARS.			
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, or Bars, amidships <i>12x3/2x3/2x60-54</i>				PILLARS, In 'tween Deck, size and spacing <i>8x10 JC</i>			
Do. in peaks <i>9x3/2x44</i>				" " Hold <i>12 JC</i>			
Do. in way of Double Bottoms at Solid Floors <i>3 1/2 x 3/2 x 50</i>				" Quarter, 'tween Dks., " <i>8x10 JC</i>			
" " " at intermdt. Bkts. <i>9x3/2x44-42</i>				" " in Hold <i>12 JC</i>			
Spacing of Frames from centre to centre amidships <i>28 1/2</i>				KEELSONS AND STRINGERS.			
" length to collision bulkhead <i>24</i>				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
" of Frames from centre to centre in peaks <i>24</i>				" Rider Plate			
REVERSED FRAME, Angles <i>4x4x1/16</i>				" Flat Keel Plate Angles			
Do. in way of Double bottoms at Solid Floors <i>3 1/2 x 3/2 x 50</i>				" Horizontal Plates on Floors			
" " " at intermdt. Bkts. <i>8x3/2x44-42</i>				" Angles or Bulb Angles			
FRAMING, depth of girder <i>12</i>				SIDE KEELSONS, Number			
FLOORS, depth and thickness of Floor Plate at mid-line for 2/3 length amidships <i>49x46</i>				" Angles or Bulb Angles			
" in way of Engine and Boiler spaces <i>60x50</i>				" Plate above floors, for length			
" thickness at the ends of vessel <i>49x76</i>				" Intercoastal Plate, for length			
" depth at 1/2 the half-bdth. as per Rule <i>40</i>				" Attached to outside plating with Angle			
" height extended at the Bilges <i>Straight</i>				BILGE KEELSON, Angles			
FLOORS, in Cell. Double Bottoms <i>46-40</i>				" Intercoastal Plate, for length			
" state if flanged (top and bottom) <i>No</i>				" Attached to outside plating with Angle			
" spacing of Solid <i>54</i>				SIDE STRINGERS, Number			
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss <i>49x62-48</i>				" Angle			
" Angles, Top <i>3 1/2 x 3/2 x 11-9</i>				" Intercoastal Plate, for lng.			
" Bottom <i>6x6x9-8</i>				" Attached to outside plating with Angle			
" to Floors <i>6x6x9/16</i>				Awning or Shelter Deck Stringer Plates,			
" Brackets at intermdt. frmg., wdth & thknss <i>36x46-40</i>				breadth and thickness <i>62x70-46</i>			
SIDE GIRDERS, number and thickness <i>Two 46-40</i>				" Angle on ditto <i>6x6x9/16x4x1/2</i>			
" state if flanged (top & bottom) <i>No</i>				" Tie Plates, fore and aft, outside Hatchways			
" Angles <i>3 1/2 x 3/2 x 5</i>				" Deck * <i>Iron or Steel, for Whole lng.</i> <i>40-56-36</i>			
MARGIN PLATE, depth (exclusive of flange) and thickness <i>42x54</i>				" Wood Deck, Material & thickness <i>5x3 OREGON</i>			
" Angles to outside plating <i>4x4x9/16</i>				Upper Deck Stringer Plate, breadth and thickness <i>51x52639x46</i>			
" to floors <i>3 1/2 x 3/2 x 5</i>				" Angles on ditto, No. <i>ONE</i> <i>3x3x9/16-1/2</i>			
" Brackets at intermdt. frmg., wdth & thknss <i>36x46-40</i>				" Tie Plates, outside Hatchways <i>4x4x9/16-1/2</i>			
" Height of Brackets above at bilge <i>Straight</i>				" Deck * <i>Iron or Steel, for Whole lng.</i> <i>40-56-36</i>			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake <i>49x58-46</i>				" Wood Deck, Material & thickness			
" thickness in Engine and Boiler space <i>1 and 44</i>				Second Deck Stringer Plates, br'dth & thkn's <i>51x46639x46</i>			
" Remainder in Holds <i>46-40</i>				" Angles on ditto, No. <i>ONE</i> <i>3x3x9/16-1/2</i>			
BEAMS, Awning or Shelter Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>9x3/2x56</i>				" Tie Plates, outside Hatchways <i>4x4x9/16-1/2</i>			
" Spacing <i>28.5</i>				" Deck * Material and thickness <i>ALL STEEL</i> <i>36-32</i>			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>8x3/2x44</i>				Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness <i>56.5x54</i>			
" Spacing <i>28.5</i>				" Angles on ditto, No. <i>ONE</i> <i>4x4x9/16</i>			
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>9x3/2x58</i>				" Tie Plates, outside Hatchways <i>6x6x7/16</i>			
" Angles on upper edge <i>8x3/2x46</i>				" Deck, Material and thickness <i>ALL STEEL</i> <i>32</i>			
" Spacing <i>28.5</i>				PANTING POOP DECK Stringer Plate, breadth & thickness <i>39x46</i>			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>9x3/2x40</i>				" Angles on ditto <i>ONE</i> <i>4x4x9/16</i>			
" Angles on upper edge				" Tie Plates <i>SHELL LUGS</i> <i>6x6x7/16</i>			
" Spacing <i>24-24</i>				" Deck, Material and thickness			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel <i>9x3/2x40</i>				Bridge Deck Stringer Plate, br'dth & thickness <i>65 1/2 x 30</i>			
" Angles on upper edge				" Angle on ditto <i>3x3x3/8</i>			
" Spacing <i>24-24</i>				" Tie Plates			
				" Deck, Material and thickness <i>STEEL</i> <i>24</i>			
				Forecastle Deck Stringer Plate, br'dth & th'kns <i>45-40x38</i>			
				" Angle on ditto <i>3 1/2 x 3/2 x 3/8</i>			
				" Tie Plates			
				" Deck, Material and thickness <i>STEEL</i> <i>30</i>			

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

GENERAL REMARKS—(continued).

W.T. AND O.T. BULKHEADS (CONTINUED)

W.T. BULKHEADS	FRAME	THICKNESS INCHES	SIZE INCHES	SPACING INCHES	FRAMES	HEIGHT UP, STATE DECK.	
W.T. BULKHEAD	149	.32 - .50	9x3/2x64 REV. B. 4x4x7/16	24 - 30	SINGLE 6x6x 9/16	SHELTER	Vertical Stiffeners
COLLISION BULKHEAD	203	.36 - .60	12x3 1/2 x 3 1/2 x 5/16	24	SINGLE 6x6x 5/8	SHELTER	Vertical Stiffeners
O.T. BULKHEADS	118 110 90 82	.28 - .48	HORIZONTAL 9x3 1/2 x 50 8x3 1/2 x 40	25 - 28	SINGLE 6x6x 1/2	UPPER	

— DOUBLE BOTTOMS —

N ^o 1 DOUBLE BOTTOM	120	Lons	Water Capacity
N ^o 2	"	"	188 "
N ^o 3	"	"	238 "
N ^o 4	"	"	358 "
Under Boilers - - - N ^o 5	"	"	198 "
Under Engines - - - N ^o 6	"	"	314 "
N ^o 7	"	"	216 "
N ^o 8	"	"	46 "
N ^o 9	"	"	56 "
Total	1434	Lons	Water Capacity

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 81.33 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

✠ 100 A1 SHELTER DECK WITH FREEBOARD

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2 DKS (STEEL) & SHELTER DK (STEEL) 3RD DK (STEEL) IN N^o 1 HOLD: ELEC. LIGHT: REFR. MCHY: WIRELESS: CRUISER STERN

Official No. 151999; Signal Letters T.Q.K.S. State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Cement, Paint, Bitumastic Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	99.75	318	Fore peak tank,	26.5	199
Double bottom, under Engines and Boilers,	92.625	512	After peak tank,	22.0	148
Double bottom, if under Engines only,			Deep tank, aft, FUEL OIL	19.0	981
Double bottom, if under Boilers only,			Deep tank, forward, FUEL OIL	19.0	1103
Double bottom, forward,	216.875	904	Other tanks, if fitted, FRESH WATER, AFT, P. & S. SIDES TUNNELS	21.375	82
SEE PAGE 4 CAPACITIES OF EACH DOUBLE BOTTOM.	Total capacity of double bottom	1734	(If necessary, furnish further information by sketch.)	SETTLING TANKS INSIDE AFT DEEP TANK.	

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules

Order for Special Survey No. 48

Date 24/9/20

No. 48 in builder's yard.

DATES OF SURVEYS held while building

JUNE 1923 - 1 VISIT: JULY 9 VISITS: AUGUST 5 VISITS: SEPTEMBER 5 VISITS: OCTOBER 6 VISITS: NOVEMBER 5 VISITS: DECEMBER VISITS: JANUARY 1924 6 VISITS: FEBRUARY 4 VISITS: MARCH 8 VISITS: APRIL 6 VISITS: MAY 4 VISITS: JUNE 4 VISITS: JULY 4 VISITS: AUGUST 4 VISITS: SEPTEMBER 3 VISITS: OCTOBER 1 VISIT.

VESSEL LAUNCHED 12TH JUNE 1924

Surveyor's Signature

E. L. Cartwright

Total No. of Visits 79

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