

Rpt. 1.

RECEIVED

27 APR 1944

IN D.O.

## STEEL STEAMER OF MOTORSHIP

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YES

State if Report is sent on the Machinery of the Vessel

YES (see Syd Rpt 19560)

Date of completion of report

17 MAR. 1944

Port of

WHYALLA

No.

24

Survey held at

WHYALLA

Date First Survey

12 MAR. 1942

Last Survey

16 MAR. 1944

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

STL. SGL. Sc. SR "RIVER GLENELG"

State Type

(2nd Scantling, Complete Superstructure with or without Tonnage Openings)

Complete Superstructure with T.O. (T.O. permanently closed as W.E.)

State Type of Erections

C.S.S.

TONNAGE under Tonnage Deck

4188.13

CLASS \* 100 A 1.

State if with freeboard as condition of Class

yes

Built at

Whyalla (South Aust.)

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 425.0

Launched 28<sup>th</sup> Oct. 1943 Yard No. 3

Breadth (greatest moulded)

B 56.5

Builders Broken Hill Proprietary Co Ltd

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 37.5

Owners Commonwealth of Australia

1st Longitudinal Number (L x D)

= 15087

(Dept. of supply + shipping)

2nd Numeral L x (B + D)

= 39100

Managers

(Where necessary to be entered via Reg. Book.)

REGISTERED DIMENSIONS. FEET.

Length

432.8

Breadth

56.67

Depth

23.61

Framing Depth "d," at middle of length. See Sec. 3 (1d)

23.66

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.60

Do. Long Bridge to top of keel

Draught Moulded

25'-5 1/2"

Residence

Port of Registry Port Adelaide S.A.

If surveyed while building, afloat, or in dry dock

While Building

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b>	28	✓	<b>Bracket Floors, Frame</b>		
" " from 3/8 length amidships to Collision bulkhead	28 1/2	✓	" " Reversed Frame		
" " in peaks	24	✓	" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	46 x 50	✓
Frame Amidships, Angle, [ or ]	12 x 3 1/2 x 3 1/2 x 1/2	✓	" " top Angles Double	3 1/2 x 3 1/2 x 50	✓
" " Extends up to	2 <sup>nd</sup> Dk.	✓	" " bottom Angles Double	4 x 4 x 50	✓
<b>Reversed Frame Amidships, Angle</b>	✓		<b>Side Girders, No. each side and thickness</b>	One C-38 in holds	✓
" " Extends up to	✓		<b>Margin Plate depth (excl. of flange) and thickness</b>	42 x 54	✓
<b>Depth of Framing Girder</b>	12	✓	" " Vertical Angle to Tank side	3 1/2 x 3 1/2 x 50	✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>	6 x 3 1/2 x 3 1/2	✓	" " Vertical Angle to Tank side	5 x 5 x 50	✓
" " Second 'tween Decks, Angle, [ or ]	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	Continuous plate 42 angle gusset in E.R.	✓
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	Continuous plate 42	✓
" " from 1/2 len. for'd. to 15% len. from Stem	12 x 3 1/2 x 3 1/2 x 1/2	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	72 x 42	✓
" " in Peaks, Angle or [ or ]	6 x 3 1/2 x 3 1/2	✓	<b>INNER BOTTOM PLATING.</b>		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	3/8 Riv. spaced 6 1/2 dia. C to C.	✓	Breadth and thickness of Middle Line Strake	50 x 52	✓
<b>State if Frame Joggled</b>	yes	✓	Thickness of remainder in Holds	42	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	Yes	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓	<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			<b>Uppermost Continuous Deck, amidships</b>	8 x 3 1/2 x 50	✓
<b>Floors, Depth and thickness at mid-line in Holds</b>			" " in Wells, Angle, [ or ]	7 x 3 x 3 x 26	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [ or ]	✓	
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>			Spacing	every	✓
" " Through Plate or Intercoastal Plate			<b>Second Deck, amidships, Angle, [ or ]</b>	8 x 3 1/2 x 50	✓
" " Foundation Plate on Floors			Spacing	7 x 3 x 3 x 26	✓
" " Flat Plate Keel Angles			<b>Third Deck, amidships, Angle, [ or ]</b>	✓	
<b>Side Keelsons, No. each side</b>			Spacing	✓	
" " thickness of Intercoastal Plate			<b>Fourth Deck, amidships, Angle, [ or ]</b>		
" " Angles			Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or ]</b>		
<b>Solid Floors, thickness and spacing</b>	35 B.R. 42 ER 39 every	✓	Spacing		
" " Are Frame and Reversed Frame joggled?	Yes	✓	<b>Bridge Deck, Angle, [ or ]</b>		
<b>Bracket Floors, breadth and thickness at middle line</b>	None	✓	Spacing		
" " breadth and thickness at margin plate			<b>Forecastle Deck, Angle, [ or ]</b>		
			Spacing		



## PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>			Stringer Plate, breadth and thickness in way of Bridge .....	✓	
„ in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells .....	43 ✓	
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
„ in Holds „ „			Thickness of Plating within line of openings...	34 ✓	
„ „ „ „ „			If Sheathed, material and thickness .....	None ✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	act. } 7+3+3+36 L ✓ 10+33+32+36 L ✓		Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	30 ✓ 30+26 ✓		If Plated, state thickness.....		
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	60x66 ✓		If Plated, state thickness .....		
„ „ „ „ in way of Bridge			<b>Poop Deck.</b>		
„ Angle in Wells .....	4x4=5/8 ✓		Stringer Plate, breadth and thickness .....		
Thickness of Plating abreast Deck openings in way of Wells .....	66 ✓		Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Bridge .....			<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	40 ✓		Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness .....	None ✓		Plating, Sheathing, material and thickness ...		
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	68x43 ✓		Stringer Plate, breadth and thickness.....	60x36 ✓	
			Plating, Sheathing, material and thickness ...	36 no sheathing ✓	

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Single or Double.	Diam. Inches.		Spacing cr. to cr. Inches.	Diam. Inches.		Spacing cr. to cr. Inches.
	Inches.	Inches.	Inches.	Inches.									
FLAT PLATE KEEL .....	50	78	68	68		Double	7/8	3 1/2	Quad to Triple	1 1/8	3 1/2 + 3 1/6	Inside Straps	
" DBLG. (if any)													
BOTTOM PLATING, No. of Strakes ..... 4 .....	A 78 B 78 C 84 D 78	50	63 56 56 56	48 1/4 48 1/4 48 1/4 48 1/4	APPROX 59-50 L.R. Rule 57-50	"	7 3/4	3 1/2 + 3	Triple	7 1/8 + 3/4	3 1/6 + 2 3/8	Lapped	
BILGE PLATING, No. of Strakes ..... 1 .....	E 66 F 79	56 1/4	56 56	48 1/4 46	Do. See Bottom 15-2-43 attached 18 Entry System Vessels	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes ..... 4 .....	G 78 H 78 J 78	56	56 56 56	46 46 46		"	"	"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells .....	L 51	66	46	46		"	"	"	Quad to Triple	"	3 1/2 + 3 1/6 2 3/8	"	
UPPER DECK, Sheer- strake in Bridge ...						"	"	"	"	"	"	"	
STRAKE BELOW Sheer- strake in Wells .....	K 52	56	46	46		"	"	"	Triple	"	3 1/6 + 2 3/8	"	
STRAKE BELOW Sheer- strake in Bridge ...													
POOP SIDE PLATING .....													
BRIDGE SIDE PLATING ...													
FORECASTLE SIDE PLATING			39			Single	3/4	3	Single	3/4	2 3/8	"	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		7	WAR EMERGENCY			
			✓			
			Bulkheads at nos. 40, 95, 116 & 146 extended to Shelter Deck ✓			
Extending to Upper Deck (Sec. 3 c)		1	Tonnage openings in existing			
" Deck next below		6	Tween DR. bulkheads for 17 ✓			
As per Rule		7	permanently closed by riveted plates also Port side 69-storm boards stange side			
			STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
Plating Thickness.			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks ✓						
" " Second " ✓						
" " Third " ✓						
" " Holds 116, 146 ✓			26-32	12x3 1/2 x 3 1/2 x 40 60	28 1/2 30 1/2 ✓	✓
COLLISION " (in Hold) 172 ✓			34-52	7x3 1/2 x 2 1/2 x 42 1/2	32 ✓	Three semi-box beams ✓
AFTER PEAK " 9, 12, 15 ✓			32-50	5x3 1/2 x 8 1/2 x 6 1/2 x 7 1/2	24 ✓	Two - 80 spaced 6'-0" apart

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....		✓		
<b>STEM</b> .....	Lower Upper	Steel Casting 9 1/2 - 2 3/4 M.S. plate 56 - 52	Hadfields (Anti-rust)	
<b>STERN FRAME</b> {	Propeller Post .....	Steel Casting	see plan B.H.P. Co. Ltd.	
	Rudder " .....			
<b>Speed of Vessel</b> .....		12 knots ✓		approx 10 knots amended to 12 knots.
<b>RUDDER—Type</b> .....		"Orly"		
" A x D .....		540	✓	
" Diam. of head .....	Forging	11"	✓	Atlas. Co. Ltd.
" Mainpiece at top pintle .....	C. steel	see plan	Industrial Steel Ltd.	
" " heel .....	"	"		
" how constructed .....		Steel plates + angles	✓	
" double or single plate .....		Double 50	✓	
" coupling, vertical or .....		Scampered	✓	
" horizontal .....				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Broken Hill Pty. Ltd. H.S.W. + Australian Iron Steel Ltd. - Port Kembla H.S.W.

Has the Steel been tested as required by the Rules?

Yes ✓

40-4181  
Lloyd's Register  
Foundation



LETTER *a + see Gl. Cables*  
*10/12/42 + 2/9/43*

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent, Surveyor
		Cwts. qrs. lbs.	Cwts. qrs. lbs.	Tons. cwts. qrs. lbs.	Cwts.			
2382	1st Bower ...	71 0 24	stockless	54 5 0 0	68 ✓	Byers Stockless	Industrial Steels Ltd	Garden Island N.S.W.
2380	2nd " ...	70 1 0	"	53 15 0 0	68 ✓	" "	"	30/1/13 G. J. McEwan
	3rd " ...	Omitted due to W.E.						
2393	Collective weight.			22 11 0 0	194 $\frac{1}{2}$			
2386	Stream .....	32 2 18	stockless	See Ldn. Cable 19/1/13	23 $\frac{3}{4}$ ✓	" "	"	Garden Island N.S.W. 31/1/13 G. J. McEwan

See WHYALLA letter 9.9.44 22.1.04 CHAIN CABLES. See letter 11.9.44

## HAWSERS AND WARPS.

(Copy attached)																		
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.		
	Length.	Diam.	Status.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
117640	970 $\frac{1}{2}$	2	100.8	141.1	574.2.8	720 $\frac{3}{4}$	270	2 $\frac{3}{4}$	Stud Link	S. Taylor & Sons.	Hetherington 27.10.41	TOWLINE...	120	4 $\frac{3}{4}$	64.6	120	4 $\frac{3}{4}$	
		TAYCO									J.G. Relf. ✓							
													HAWSERS & WARPS	2090	2 $\frac{3}{4}$	15.2	2090	2 $\frac{3}{4}$
													2090	2 $\frac{1}{2}$	13.2	2090	2 $\frac{1}{2}$	
		Cir.						Cir.					"					
Iron Steam Chain or Steel Wire	90	5	32.8				90	5	9.7 6/12	Bullivant's Aust. C <sup>o</sup> Ltd.			"					

Steering Gear, Type (Power or hand) *Hasties - Steam Hydraulic* Alternative Means of Steering *Blocks + tackle led to after winch*

Steering Chains (Size and Test) *1/1 one* Windlass *by Camerons' Ltd. - Queensland Boats* *1C 2433 - 7.70 - 3.17*  
*1/2 2432 - 7.84 - 3.25*

Ceiling in Holds, thickness and material *2 1/2" Hardwood on 2 1/2" Beams* Cargo Battens, thickness, material and spacing *6 x 2" H. Wood spaced 9"*

**Cargo Hatchways.**—(Upper Deck). *Constructed of steel plates + sections* ✓ **Thickness of Hatches** *3" Oregon Pine* ✓

Size of Hatchways No. 1 (Fwd.)  $32'-7" \times 24'-0"$  No. 2  $35'-0" \times 24'-0"$  No. 3  $28'-0" \times 24'-0"$  No. 4  $35'-0" \times 24'-0"$  No. 5  $35'-0" \times 24'-0"$  No. 6 ✓

Number of **Shifting Beams** } 7 c m 1 Hatch ✓ 6 c m 2, 4-5 hatches ✓ 5 c m 3 hatch ✓  
and/or **Fore and Afters** }

1 SHIPBUILDING YARD,  
WHYALLA. *pe*

SHIPBUILDING YARD,  
WHYALLA. *Re*

**GENERAL DECLARATION.** It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel yes (coal or oil)  
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo no The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This ship has been built in conformity with the Society's Rules and Regulations and the

Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to those shown on the approved plans. ✓

The materials and workmanship are good and to my satisfaction.

The following compartments have been tested to Rule Requirements for the carriage of oil fuel (F.P. above 150°F) and found satisfactory: Nos. 1, 2, 3, 6 & 7 double bottom tanks & settling tanks. ✓

The remaining double bottom compartments, cofferdams also fore & after peak tanks have been tested to Rule Requirements for the carriage of water ballast and found satisfactory ✓

The decks, W.T. bulkheads (including divisional bulkheads in tween decks) shaft tunnel and sidelights in hull have been hose tested & found satisfactory. Windlass, steering gear,

W.T. doors + hand pumps tried under working conditions + found satisfactory ✓

The amount of Entry Fee ..... £ 10 : 0 : 0 } Fees applied for,

(Special notations, where part of class, to be stated.)

Special Survey Fee.... £1181: 10 : 0

Received by me,

Travelling Expenses, if any £ 50 : 0 : 0 ) ..... 19.....

Yes

Signature

I am of opinion the Vessel should be Classed \* 100 A-1  
with freeboard

State whether the Vessel has been built under Special Survey

*Surveyor to Lloyd's Register of Shipping.*

Certificate to be sent to Sydney N.S.W. Date of issue 26/5/44

THURS 11 MAY 1944

Committee's Minute

*Character assigned*

+ 100 A1 with freeboard

Letted for oil fuel 3.44 EP above 150°

Cargo battens not fitted on holds  
Lloyd A&CP + LMC J.44 FD CH

Write Why  
a Syd

2 WTB 2404  
Lloyd's Register  
Sept. 22, 1964  
Foundation

00612



