

STEEL STEAMER or MOTORSHIP.

Received at London Office 14 JUL 1925

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*Date of completion of report 28th May 1925 Port of Sydney, N.S.W.

No. 8759

Survey held at Sydney, N.S.W.

Date First Survey 20th June 1924 Last Survey 26th May 1925

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

S. S. "CAPE LEEUWIN"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full Scantling, no Forecastle

State Type of Erections Bridge

TONNAGE under Tonnage Deck...

1165

CLASS

100 A.1

State if with freeboard as condition of Class

FEET.

Built at

Sydney N.S.W.

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

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

L 225.0

Launched 10th Dec 1924 Yard No. 101

Builders Australian Commonwealth Shipping Board, Cockatoo Dockyard, Sydney.

Total

Breadth (greatest moulded)

B 35.0

Owners Commonwealth Government, Aus

Gross Tonnage

1406

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

D 22.5

Managers

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

Register Tonnage

495

1st Longitudinal Number (L x D) = 5063

2nd Numeral L x (B + D) = 12938

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

12.16

Residence Melbourne.

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

10.0

Port of Registry Fremantle

If surveyed while building, afloat, or in dry dock

All three.

Draught Moulded

Keel 14.6

Moulded

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.
FRAMES, Spacing amidships	27		Bracket Floors, Frame	7 3 1/2 34	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	7 3 1/2 34	
" " in peaks	24		" " Vertical Struts	7 3 1/2 34	
FRAMING.			Centre Girder, depth and thickness amidships	34 44 38	
Frame Amidships, Angle, E or C	8 3 1/2 38		" " top Angles	3 3 37 1/2	
" " in Boiler Room	" " 40		" " bottom Angles	3 1/2 3 1/2 44	
" " Extends up to	Upper Dk		Side Girders, No. each side and thickness	One 32	
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	48	
" " Extends up to			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	See Section	
Depth of Framing Girder	8		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	" " "	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	8 3 1/2 38		" " Gussets, spacing and scantling abaft 1/2 len. from stem	" " "	
" " Second 'tween Decks, Angle, E or C			" " Gussets, spacing and scantling forward 1/2 len. from stem	" " "	
" " Third " " " "			Tank Side Brackets, height above base line at toe of Frame and thickness	44 32	
Framing in Peaks, Angle or C	7 3 1/2 34		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Shell Plating	7/8 6"		Breadth and thickness of Middle Line Strake	44 50	
State if Frame Joggled	No		Thickness of remainder in Holds	42	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	Web frame + two side Stringers and chain Locker bulkhead cannot access.		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	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frames in OB from 3/8 L to Collision Bulkhead. also ruled floors on every frame		BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	8 3 1/2 46	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or C	7 3 1/2 38	
Height of Brackets at side above base line at toe of frame			Spacing	54 and 27	
Middle Line Keelson, on Floors, Angles, E or C			Second Deck, amidships, Angle, E or C	8 3 1/2 46	
" " Through Plate or Intercoastal Plate			Spacing	7 3 1/2 38	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or C		
" " Flat Plate Keel Angles			Spacing		
Keelsons, No. each side			Fourth Deck, amidships, Angle, E or C		
" thickness of Intercoastal Plate			Spacing		
" Angles			Poop Deck, Angle, E or C		
DOUBLE BOTTOM.			Spacing		
Mid Floors, thickness and spacing	32 54		Bridge Deck, Angle, E or C	7 3 1/2 38	
" " Are Frame and Reversed Frame joggled?	No		Spacing	54	
Bracket Floors, breadth and thickness at middle line	26 32 42		Forecastle Deck, Angle, E or C		
" " breadth and thickness at margin plate	36 32 42		Spacing		

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....		Two			
"	in 'tween Decks, Size and Spacing.....	2 $\frac{5}{8}$	5 $\frac{1}{4}$		
"	" " " " " ".....	"	"		
"	in Holds " " " " " ".....	3 $\frac{3}{4}$	5 $\frac{1}{4}$		
"	" " " " " ".....	"	"		
Centre Line Bulkhead.					
	Stiffeners and Spacing.....	Kil.			
	Plating, thickness of				
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
	Stringer Plate, breadth and thickness in Wells	4 $\frac{1}{2}$	46 - 34		
"	" " " " " " in way of Bridge	4 $\frac{1}{2}$	46		
"	Angle in Wells	3 $\frac{1}{2}$	3 $\frac{1}{2}$ 46		
	Thickness of Plating abreast Deck openings) in way of Wells	32			
	Thickness of Plating abreast Deck openings) in way of Bridge	32			
	If Sheathed, material and thickness	Oregon	5" x 2 $\frac{1}{2}$ "		
Second Deck.					
	Stringer Plate, breadth and thickness in Wells...	42	34		
Third Deck.					
	Stringer Plate, breadth and thickness.....				
	If Plated, state thickness.....				
Fourth Deck.					
	Stringer Plate, breadth and thickness.....				
	If Plated, state thickness				
Poop Deck.					
	Stringer Plate, breadth and thickness				
	Plating, Sheathing, material and thickness ...				
Bridge Deck.					
	Stringer Plate, breadth and thickness.....	43	38		
	Plating, Sheathing, material and thickness ...	13	38	Lin Platis	
		5" x 3"	Oregon Sheathing.		
Forecastle Deck.					
	Stringer Plate, breadth and thickness.....				
	Plating, Sheathing, material and thickness ...				

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.		No. of ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	74	62	55	62	✓ No	Double	$\frac{7}{8}$	4 DIA.	Treble	$\frac{7}{8}$	3 1/2 DIA	Shaps 16 1/4 x 8 7/8	
" DELG. (if any)	Rubbing Bar 8 x 1 1/2				✓	"	$\frac{7}{8}$ x $\frac{3}{4}$	"	"	$\frac{3}{4}$	"	Lap 7 1/2	
BOTTOM PLATING, No. of of Strakes 2....	60 3/4	50 x 54	44 x 46	46 x 46	✓	"	"	"	"	$\frac{7}{8}$ x $\frac{3}{4}$	"	Lap 9-7 1/2	
BILGE PLATING, No. of Strakes one..	82 3/4	50 1/4	40	46	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes 3....	57 1/2	54	42	42	✓	"	"	"	"	"	"	"	
	60	54	40	40	✓	"	"	"	"	"	"	"	
	61	52	40	40	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells.....	57 1/4	54	40	40	✓	"	$\frac{7}{8}$	"	"	"	"	"	
BRIDGE UPPER DECK, Sheer- strake in Bridge ...	46 3/4	44			"	Single double	$\frac{3}{4}$	"	"	$\frac{3}{4}$	"	7 1/2	
STRAKE BELOW Sheer- strake in Wells.....	45	40			"	at-ends.	$\frac{3}{4}$	"	"	$\frac{3}{4}$	"	7 1/2	
BRIDGE STRAKE BELOW Sheer- strake in Bridge ...	Sheer strake shell plating increased at Bridge ends to 70												
POOP SIDE PLATING													
BRIDGE SIDE PLATING40 (see letter intermediate frame fittings)												
FOREC'TLE SIDE PLATING													

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c)..... *Five*

Deck next below *One aft. Peak*

As per Rule *Four*

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings, Spacing.		Scantlings Spacing.	
BULKHEAD, Tween decks...			Holds		Tween Decks	
HIDSHI	Peak Frame 7 Hold	30	5"x3 3/4"	24"	"	"
"	16 " " 10 A	30-26	5"x3 3/8"	24	4x3x30	30"
"	35 " " 7	38-26	7x3 1/2x38	30	4x3x30	30"
"	46 " " 7	44-26	7x3 1/2x38	30	7x3 1/2x38	30
"	64 " " 7	44-26	7x3 1/2x38	30	4x3x30	30
"	72 " " 7	44-26	8x3 1/2x40	30	4x3x30	30
Holds						
	(in Hold)	40-26	10x3 1/2x50 8x3 1/2x42	24	4x3x3	24
Frame 7.....						

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	Forging ✓	7½ × 2	Cockaloo Dock	No
STERN FRAME { Propeller Post	Casting ✓	7½ × 5½	"	"
{ Rudder "	" ✓	6¾ × 5½	"	"
RUDDER—A × D	116	✓	✓	✓
Speed of Vessel	12½ knots			
RUDDER mainpiece at head ...		6 "	✓	-
✓ " " heel ...		4½	✓	-
✓ " how constructed	Mild Steel Head and Main Piece			Cast Steel Arms
✓ " double or single plate	Single			
✓ " coupling, vertical or horizontal	Horizontal			

STEEL.

Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) *Stewart and Lloyd &*

Broken Hill Proprietary Co. Ltd.

✓ Has the Steel been tested as required by the Rules?

Les

EQUIPMENT No. 13685												LETTER		ANCHORS.		
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.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
39967	1st Bower ...	30	2	6	Stockers			29	3	3	-	27-2	0	Britannia	R Sykes & Sons	Cradley Heath
39969	2nd „ ...	30	0	14	„			28	14	1	14	27-2	0	„	„	30. 6. 24
39968	3rd „ ...	30	0	6	„			28	12	2	-	27-2	0	„	„	S. C. Paul
	Collective weight.	90	0	26	✓		✓	✓				180-0	0	✓		
40212	Stream	8	0	12	2	0	12	10	5	-	-	7	0-0	Common Forged	Woodhouse & Sons	Cradley Heath: 19. 9. 24

HAWSERS AND WARPS.

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.	Stagnat.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Fathoms.	Ins.		Tons.	Fathoms.	Ins.	Length.	Cir.
36729	240	1 1/16	51.5	71.15	350.0	14	240	240 = 1 1/16	298.3-0	Link	Woodhouse Bros	Cradley Heath 26. 9. 24 S. C. Paul	TOWLINE ...	90	3 1/4	22	90	3 1/4		
Iron Stream (Chain or Steel Wire)	75	3 3/4	29					75	3 3/4	Wire	Rinks Bros	Mellwell London	" 2 a	90	6	Hemp				
													" 2 a	90	5	Hemp				

Steering Gear, Steam *6 x 6* *Hurst Horizontal Steam* Steering Gear, Hand *Jes aft*
Two Lubeau's
 Boats *Two Dinghies* Steering Chains, Size and Test *3/4* *LR Bradley Heath* Windlass *Horizontal 8" x 11" (2)*
Clarke Chapman
 Ceiling in Holds, thickness and material *Beiges only 2 1/2" Oregon* Cargo Battens, thickness, material and spacing *6 x 2", 15" Centres*
Oregon Pine
 Cargo Hatchways.—(Upper Deck) *One Forward, one aft* Thickness of Hatches *3"*
 Size of No. 1 Hatchway (Forward) *13' 6" x 12' 0"* No. 2 *11' 3" x 10' 0"* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*
 Number of Shifting Beams and/or Fore and Afters *Nº 1, 2 Shifting Beams 10 1/2" x 30" Nº 2, 2 Shifting Beams 10" x 30"*

Builder's Signature *R. Langley*
Director of Shipbuilding,
Cockatoo Island, Sydney

GENERAL DECLARATION This vessel has been constructed under Special Survey its approved Plans with amendments, and instructions, as well as the British Rules.

" The materials used are of good quality and workmanship good. The Freeboard has been verified and marks cut in.

The Double bottoms, peaks, and deep Tank age, weather decks, Bulkheads, and Tunnel Satisfactorily water tested.

The amount of Entry Fee	£	5	:	0	:	0	} Fees applied for, 26. 5 1925
Special Survey Fee....	£	220	:	0	:	0	
<i>Freight</i>		5	:	0	:	0	} Received by me, 1. 6 1925
Travelling Expenses, if any	£	3	:	13	:	2	

I am of opinion the Vessel should be Classed **X 100 A.1.**

State whether the Vessel has been built under Special Survey *Yes*

H.M. Certificate to be sent to *Sydney Office* Date of issue *31/7/2*

A. C. Heron
E. L. Cartwright.
Signature
Surveyor to Lloyd's Register of Shipping.

Committee's Minute
Character assigned
1000
with freeboard
Lloyd's A.S.P.
Lloyd's P.d.

+ Lm. 525. C.L.
Lifted for oil fuel 525
F.P. above 150° F.

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

Approved Plans with Amendments

Midship Section

Profile with Deck Plans & Bulkheads

Plans now Forwarded, as built

Midship Section

Profile & deck pl.

Pumping Plans

Diagramatic Plan of Oil Fuel Installation

Correspondence

M. London to Sydney 28. 3. 24 letter
M. " " 3. 7. 24 "
M. " " 1. 12 24 Cable
E. " " 14. 6. 24. letter

Forging Report Rudder Head & Main Piece
Cast Steel Rudder Arms

" " Steering gear Crosshead.

" " Stern Frame.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	1904	M.B	18-3-19	Drop 12-0	Bend good	28. March 1924
2nd "	1933	M.B	18-1-12	" " "	" " "	" " "
3rd "	2829	K.H	18-3-17	" " "	" " "	18 " "

all at Dusseldorf.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 90.0 ft., Forecastle ☒ ft.

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

2 DKS (Steel & wood 5)

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

2 DKS (Steel & wood 5) Two tiers beams. (Wireless) fitted

Official No. 152010; Signal Letters T.Q.P.B

If bottom of Vessel has been coated Inside

particulars of composition Fresh water in D.B. under Boilers Cement. Bilges cement. Fore & A Peak Tank and Fresh water Deep Tank aft. Cement washed.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	42-9	27.0	Fore peak tank,	15-9	43.0
Double bottom, under Engines and Boilers, <i>Includes feed water under Boilers</i>	49-6	81.5	After peak tank,	22-0	30.0
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, <i>Fresh water Tunnel top to 2nd deck</i>	20-3	71.0
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,		
Double bottom, forward,	74-3	93.0	Other tanks, if fitted,		
Total capacity of double bottom		201.5	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No.

Authorized from

Date 10. 6. 24

Dates of Surveys held while building

June 20th 1924, 27 June. July 5 visits, August 6, September 8
October 6, November 9, December 6 January 1925, 3 visits
February 4, March 4. April 5. May 3. Last visit
26th May 1925

Total No. of Visits 61