

Rpt. 1.

## STEEL STEAMER or MOTORSHIP.

812B ON  
NOV 1937 MAY -7 1937  
Received at London OfficeState 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 *5 May 1937*Port of *Leith*No. *19330*Survey held at *Leith*Date First Survey *1<sup>st</sup> July 1936*Last Survey *28<sup>th</sup> April 1937*On the *Steel Single Screw Steamer "MULUBINBA"*machinery aft *Smith 119*State Type *(Full Scantling, Complete Superstructure)**Continuous Superstructure, with tonnage during*Type of Erections *C.S. Bridge house*TONNAGE under  
Tonnage Deck...*903.42*CLASS *+100A1*  
WITH FREEBOARDState if with freeboard  
as condition of Class *yes*Built at *Leith*Do. of space or spaces  
between Tonnage Dk.  
and Upper Dk.*903.42*

Tonnage

*1262.12*

Net Tonnage

*478.80*REGISTERED DIMENSIONS.  
FEET.*233.7*

Length

*39.2*

Breadth

*14.6*Length from fore part of stem to after part of stern  
post on summer L.W.L. See Sec. 3 (1a)*L 220.0*

Breadth (greatest moulded)

*B 39.0*Depth, at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c)*D 24.0*

1st Longitudinal Number (L x D)

*= 5140*

2nd Numeral L x (B + D)

*= 13750*Framing Depth "d," at middle of length. See  
Sec. 3 (1d)*14.0*Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel*9.17*Do. Long Bridge to top  
of keel

Draught Moulded

*15'-10 3/8"*Launched *27/2/37*Yard No. *234*Builders *Henry Robb & Co.*Owners *Newcastle Hunter River S.S. Co. Ltd.*Managers *✓*

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

Residence

*Australia*Port of Registry *Newcastle, N.S.W.*

If surveyed while building, afloat, or in dry dock

*While building. Finally afloat & in dry dock.*

## 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.
ES, Spacing amidships	<i>24</i>	<i>✓</i>	Bracket Floors, Frame		
" from 1/2 length to Collision bulkhead	<i>24</i>	<i>✓</i>	" " Reversed Frame		
" in peaks	<i>24</i>	<i>✓</i>	" " Vertical Struts		
FRAMING.			Centre Girder, depth and thickness amidships		
Amidships, Angle, E or L	<i>6 1/2 3 38</i>	<i>✓</i>	" " top Angles		
" Extends up to <i>2<sup>nd</sup> D<sup>th</sup> every frame</i> (and to Upper D <sup>th</sup> alternately)			" " bottom Angles		
Side Frame Amidships, Angle	<i>none</i>		Side Girders, No. each side and thickness		
" Extends up to	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness		
of Framing Girder	<i>6 1/2</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
es in Uppermost Continuous 'tween	<i>6 1/2 3 38</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		
Decks, Angle, E or L	<i>48" apart</i>	<i>✓</i>	" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" Second 'tween Decks, Angle, E or L	<i>✓</i>		" " Gussets, spacing and scantling forward 1/2 len. from stem		
" Third " " " "	<i>✓</i>		Tank Side Brackets, height above base line at toe of Frame and thickness		
ng in Peaks, Angle or L	<i>5 1/2 3 32</i>	<i>✓</i>	INNER BOTTOM PLATING.		
eter and Spacing of Rivets through Frame and Shell Plating amid- ships	<i>3/4 7 diam C6C</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake		
if Frame Joggled	<i>yes</i>	<i>✓</i>	Thickness of remainder in Holds		
G ARRANGEMENTS (Sec. 7), state system and particulars	<i>Two side stringers Frame 7x3x40L Plating 1/2 5x3x32 D<sup>th</sup> Frames 7x3x40L &amp; 3x3x32 alternately</i>		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?		
THENING OF BOTTOM FOR	<i>Frames double to shell (except for inner framing plan)</i>		BEAMS.		
SD. State Particulars	<i>Intercostal girders 3-6" apart</i>		Uppermost Continuous Deck, amidships	<i>6 3 32</i>	<i>(approved 5 1/2 x 3 x 32)</i>
BOTTOM.	<i>Shell plating A+B strakes = 46</i>	<i>✓</i>	" " in way of Bridge, Angle, E or L	<i>5 1/2 3 40L</i>	<i>✓</i>
Depth and thickness at mid-line in Holds	<i>24 42 in way of hatchways 37 clear</i>	<i>✓</i>	Spacing	<i>24</i>	<i>✓</i>
Height of Brackets at side above base line at toe of frame	<i>48"</i>	<i>✓</i>	Second Deck, amidships, Angle, E or L	<i>7 3 34</i>	<i>1/2 beams</i>
Line Keelson, on Floors, Angles, E or L	<i>✓</i>		Spacing	<i>48</i>	<i>✓</i>
" " Through Plate	<i>24 16 46</i>	<i>✓</i>	Third Deck, amidships, Angle, E or L		
" " Intercostal Plate	<i>36 16 46</i>	<i>✓</i>	Spacing		
" " Foundation Plate on Floors	<i>30 16 40</i>	<i>✓</i>	Fourth Deck, amidships, Angle, E or L		
" " Flat Plate Keel Angles	<i>4 4 52</i>	<i>double</i>	Spacing		
Side Keelsons, No. each side	<i>three</i>	<i>✓</i>	Spacing		
" " thickness of Intercostal Plate	<i>32</i>	<i>✓</i>	Spacing		
" " Angles	<i>on floors 6 3 1/2 51 single to shell 3 3 30 angle</i>	<i>✓</i>	Spacing		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			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</b> , No. of Rows.....	<i>Two, fitted in conjunction with deck girders</i>			
„ in 'tween Decks, Size and Spacing .....	<i>6x3½x3½x40</i>	<i>IC</i> ✓		
„ „ „ „ „	<i>14' 16' 18' apart</i>			
„ in Holds	<i>apt „ „</i>	<i>IC</i> ✓		
„ „ „ „ „	<i>9x3½x3½x40</i>	<i>IC</i> ✓		
„ „ „ „ „	<i>9x3½x3½x60</i>	<i>IC</i> ✓		
„ „ „ „ „	<i>14' 16' 18' apart.</i>			
<b>Centre Line Bulkhead.</b>				
Stiffeners and Spacing.....	<i>none</i>	✓		
Plating, thickness of .....	✓			
<b>STRINGERS AND DECKS.</b>				
<b>Uppermost Continuous Deck.</b>				
Stringer Plate, breadth and thickness in Wells	<i>amidship</i> <i>74 .36</i>	✓		
„ „ „ „ „ in way of Bridge	<i>16 .34</i>	✓		
„ „ „ „ „	✓			
„ Angle in Wells .....	<i>3½ 3½ .38</i>	✓		
Thickness of Plating abreast Deck openings } in way of Wells .....	<i>.32</i>	✓		
Thickness of Plating abreast Deck openings } in way of Bridge .....	✓			
Thickness of Plating within line of openings...	<i>.30</i>	✓		
If Sheathed, material and thickness .....	<i>not sheathed</i>	✓		
<b>Second Deck.</b>				
Stringer Plate, breadth and thickness in Wells...	<i>amidship</i> <i>78 .36</i>	✓		
	<i>74 approved</i>			
Stringer Plate, breadth and thickness in way } of Bridge .....				
Thickness of Plating abreast Deck openings } in way of Wells .....	<i>.36</i>	✓		
Thickness of Plating abreast Deck openings } in way of Bridge .....	✓			
Thickness of Plating within line of openings...	<i>.34</i>	✓		
If Sheathed, material and thickness .....	<i>not sheathed</i>	✓		
<b>Third Deck.</b>				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness.....				
<b>Fourth Deck.</b>				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness .....				
<b>Poop Deck.</b>				
Stringer Plate, breadth and thickness .....				
Plating, Sheathing, material and thickness ..				
<b>Bridge Deck.</b>				
Stringer Plate, breadth and thickness.....				
Plating, Sheathing, material and thickness ..				
<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness.....				
Plating, Sheathing, material and thickness ..				

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *5 (including WTB N<sup>o</sup> 68) ✓*  
,, Deck next below *in General Declaration.*  
As per Rule *5*

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Riveting bar (see Sheel Plating above) ✓			
STEM	rolled bar $7\frac{1}{4} \times 2$ ✓			
STERN FRAME	<div> <div> Propeller Post .....  Rudder .....  Forging ..... </div> <div> </div> </div>			
Speed of Vessel	11 1/4 knots ✓			
RUDDER—Type.....	O. ERTZ ✓			
„ A x D .....	✓			
„ Diam. of head .....	✓			
„ Mainpiece at top pintle	✓			
„ „ heel ...	✓			
„ how constructed .....	as per plan. Two of inches. ✓			
„ double or single plate	double ✓			
„ coupling, vertical or horizontal .....	Horizontal ✓			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
Frame No. Second 40	40	36	7x3x43 L	30	10x3 1/2 x40 L with horizontal girders
" " Third 66	34	26	7x3x43 L	20 and 12"	Horizontal girders
" " Holds ... 86	37	30	8x3x34 L	24	
COLLISION " (in Hold) 103	40	26	8x3x36 L	24	and one V.T. flat
AFTER PEAK " 6	60	30	9x3 1/2 x38 L	24	and one V.T. flat
			5x3x38 L	24	and one V.T. flat

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Colvilles & Co.*  
*The Steel Company of Scotland & Co. Dorman Long & Co. Ltd.*  
*Swimmingpool Iron Co. Ltd.* (OK)  
Has the Steel been tested as required by the Rules? *yes.*







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.)

Sketch of W.T. door on Quarter B.H.D. & bolted plate on Head B.H.D.—  
Midship section as built.— General arrangement, as built.— Watertight doors  
and shell doublers, as built.— Also two reports on forgings & two on castings.  
Also a letter from The Newcastle & Hunter River Steamship Co. Ltd. dated 30 July 1936 relating  
to W.T. bulkhead N° 68.

Overall length = 231'-9" ✓  
" breadth = 40'-11½" not required (vessel over 1000 tons)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Machinery aft  
Cruiser stern

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

1st Bower	17-1-15	J.F.R.	2192	13-11-36
2nd "	17-2-11	R.L.	5190	5-11-36
3rd "	15-1-23	A.B.	6339	26-12-30

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

No. and Material of Decks *2 Steel. ✓ 1 sk. shelter deck*

Official No. *not assigned*

Is bottom of vessel coated with cement *yes ✓* if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	14	34
Double bottom, under Engines and Boilers,			After peak tank,	12	26
Double bottom, if under Engines only,			Deep tank, aft, <i>just aft of Fore peak tank</i>	14	99
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

*at after end of hold there are two wing tanks for fresh water 16½ tons each.  
at forward end of Boiler room there are two wing tanks for Boiler feed. 10 each.*

The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. *1262*

Date *12/6/36*

Dates of Surveys held while building

1936. July 1, 27. Aug. 3, 10, 17, 31.  
Sept 9, 28. Oct 5, 22, 28.  
Nov 5, 18, 25. Dec 2, 5, 7, 14, 21.  
1937 Jan 6, 11, 16, 18, 20, 23, 25, 27, 30. Feb 4, 9, 18, 24, 27.  
Mar 6. April 14, 22, 26, 28.

Total No. of Visits *37*