

## STEEL STEAMER or MOTORSHIP.

Received at London Office 24 OCT 1939

State if Report has been sent on the Freeboard of the Vessel *No*State if Report is sent on the Machinery of the Vessel *✓*

Date of completion of report *4<sup>th</sup> September 1939* Part of *SYDNEY N.S.W.* No. *17,211*  
 Survey held at *Sydney N.S.W.* Date First Survey *27<sup>th</sup> February* Last Survey *1<sup>st</sup> September 1939*  
 On the *Steel Hopper Barge - 78*

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

State Type of Erections

TONNAGE under (approx) *350*  
Tonnage Deck...CLASS *A1 Hopper Barge* (State if with freeboard as condition of Class) *no.*Built at *Cockatoo Island, 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 130'-0"*Launched *17<sup>th</sup> July 1939* Yard No. *134*

Total

Breadth (greatest moulded) *B 28'-0"*Builders *Cockatoo Docks & Eng Co Pty Ltd*Gross Tonnage (approx) *350*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 10'-2"*Owners *Department of Works & Local Government (Bridges Service)*Register Tonnage *✓*1st Longitudinal Number (L x D) *= 1321.67*

Managers

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

2nd Numeral L x (B + D) *= 4961.67*Residence *Phillip St Sydney N.S.W.*REGISTERED DIMENSIONS.  
FEET.Framing Depth "d," at middle of length. See Sec. 3 (1d) *9*

Length

Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.8*Port of Registry *not registered*

Breadth

Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

Depth

Draught Moulded *9.17'**Whilst building & 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.
<b>FRAMES, Spacing amidships</b> .....	<i>27</i> ✓		<b>Bracket Floors, Frame</b> .....		
"    "    from $\frac{3}{8}$ length to Collision bulkhead.....	<i>27</i> ✓		"    "    Reversed Frame .....		
"    "    in peaks.....	<i>24</i> ✓		"    "    Vertical Struts .....		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
<b>Frame Amidships, Angle,</b> <del><i>4 x 3 x 3/8</i></del> .....	<i>4 x 3 x 3/8</i> ✓		"    "    top Angles .....		
"    "    Extends up to .....	<i>upper deck</i> ✓		"    "    bottom Angles .....		
<b>Reversed Frame Amidships, Angle</b> .....			<b>Side Girders, No. each side and thickness</b> .....		
"    "    Extends up to...			<b>Margin Plate</b> depth (excl. of flange) and thickness .....		
<b>Depth of Framing Girder</b> .....			"    "    Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem .....		
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b> .....			"    "    Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem .....		
"    " <b>Second 'tween Decks, Angle, [ or ]</b> .....			"    "    Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		
"    " <b>Third</b> " " " " .....			"    "    Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....		
<b>Framing in Peaks, Angle</b> <del><i>4 x 3 x 3/8</i></del> .....	<i>4 x 3 x 3/8</i> ✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	<i>3/4 from 4.6 7 dia.</i> ✓		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b> .....	<i>Joggled</i>		Breadth and thickness of Middle Line Strake ...		
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars)			Thickness of remainder in Holds .....		
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....			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?.....		
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b> .....	<i>14 x 5/16</i> ✓		<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]</b> .....	<i>5 x 3 x 3/8</i> ✓	
Height of Brackets at side above base line at toe of frame .....	<i>28</i> ✓		"    "    in way of Bridge, Angle, [ or ] .....		
<b>Middle Line Keelson, on Floors, Angles,</b> <del><i>3 1/2 x 3 x 3/8</i></del> .....	<i>3 1/2 x 3 x 3/8</i> ✓		Spacing .....	<i>27</i> ✓	
"    "    Through Plate or Intercostal Plate .....	<i>18 x 3/8</i> ✓		<b>Second Deck, amidships, Angle, [ or ]</b> .....		
"    "    Foundation Plate on Floors .....	<i>12 x 5/16</i> ✓		Spacing.....		
"    "    Flat Plate Keel Angles (double) .....	<i>3 1/2 x 3 1/2 x 1/2</i> ✓		<b>Third Deck, amidships, Angle, [ or ]</b> .....		
<b>Side Keelsons, No. each side</b> .....	<i>4 x 3 x 3/8</i> ✓		Spacing.....		
"    "    thickness of Intercostal Plate...	<i>5/16</i> ✓		<b>Fourth Deck, amidships, Angle, [ or ]</b> .....		
"    "    Angles .....	<i>3 x 3 x 3/8</i> ✓		Spacing.....		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or ]</b> .....		
<b>Solid Floors, thickness and spacing</b> .....			Spacing.....		
"    "    Are Frame and Reversed Frame joggled?.....			<b>Bridge Deck, Angle, [ or ]</b> .....		
<b>Bracket Floors, breadth and thickness at middle line</b> .....			Spacing.....		
"    "    breadth and thickness at margin plate.....			<b>Forecastle Deck, Angle, [ or ]</b> .....		
			Spacing .....		







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.)

Sister Vessel "77" - not yet completed

Plans forwarded

- (1) Profile, deck, bulkheads & midship section
- (2) Pumping arrangements & details

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

A.I. Hopper Barge 1 DK (stl) 3 BH. Cem.  
Overall length -  $(130' - 4\frac{1}{2}" + \text{Rudder } 6' - 9\frac{1}{2}" ) = 137' - 2"$ . Extreme breadth over belting =  $29' - 8"$   
130.4

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	4.2.12	L.R.	1566	8/11/38
	2nd "	4.3.1	WM	1255	8/7/36
	3rd "				

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 ✓

No. and Material of Decks 1 DK (stl)

Official No. ✓ ; Signal Letters ✓ 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,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
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.)		

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

Order for Special Survey No. 139/4

Date 17/8/38

Authorisation 31/8/38

Dates of Surveys held while building

1939 - Feb 27<sup>th</sup> March 3, 6, 8, 16 & 17, 27, 29 & 31. April 5, 6, 11, 12, 20, 24, 25, 3, 9, 29, 31 June 2, 6, 9, 15, 20, 21, 26, July 3, 12, 14, 17, 18, 26 Aug. 3, 11, 23 29. Sept 1<sup>st</sup>

Total No. of Visits 37.