

## STEEL STEAMER OR MOTORSHIP.

Received at London Office 13 OCT 1952

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 6<sup>th</sup> OCTOBER, 1952Port of SINGAPORENo. 9316Survey held at SINGAPORE Date First Survey 12<sup>th</sup> NOVEMBER, 1951 Last Survey 8<sup>th</sup> SEPTEMBER, 1952On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) MOTOR VESSEL "BUNGA" (MACHINERY FITTED AFT SINGLE SCREW.)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FLUSH DECK No SUPERSTRUCTURESState Type of Erections —TONNAGE under Tonnage Deck 198.41CLASS 100A1 State if with freeboard as condition of Class —Built at SINGAPORE (KEPPEL HARBOUR)Launched 24<sup>th</sup> APRIL, 1952 Yard No. 1512Builders SINGAPORE HARBOUR BOARDOwners W. HAMMER & CO., LD.Managers — (Where necessary to be entered in Reg. Book)Residence —Port of Registry SINGAPORE

If surveyed while building, afloat, or in dry dock

BUILDING, AFLOAT, AND DRY DOCK.Do. of space or spaces between Tonnage Dk. and Upper Dk. —Total —Gross Tonnage 213.19Register Tonnage 74.03

## REGISTERED DIMENSIONS.

FEET

Length 121.00Breadth 23.08 TENTHSDepth 8.58 TENTHSLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 120 - 0 INS.Breadth (greatest moulded) 23 - 0 INS.Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 9 - 6 1/2 INS.1st Longitudinal Number (L x D) 11452nd Numeral L x (B + D) 3905Framing Depth "d," at middle of length. See Sec. 3 (1d) —Proportions—Depth to Length—Uppermost continuous deck to top of keel 12.6Do. Long Bridge to top of keel —Draught Moulded 8 FT 3 1/4 INS.

## 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.....	21"	✓	Bracket Floors, Frame .....		
" " from 1/2 length amidships to Collision bulkhead.....	21"	✓	" " Reversed Frame.....		
" " in peaks .....	21"	✓	" " Vertical Struts .....		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....	4 x 2 1/2 x 7/20	✓	" " top Angles .....		
" " Extends up to.....	UPPER DECK	✓	" " bottom Angles.....		
Reversed Frame Amidships, Angle .....			Side Girders, No. each side and thickness.....		
" " Extends up to .....			Margin Plate depth (excl. of flange) and thickness .....		
Depth of Framing Girder.....			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....		
Frames in Uppermost Continuous 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area .....		
" " Second 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....			" " Gussets, spacing and scantling abaft 1/2 len. from stem.....		
" " Third .....			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area .....		
" " from 1/2 len. for'd. to 15% len. from Stem .....	4 x 2 1/2 x 7/20	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle $\frac{1}{2}$ or $\frac{1}{4}$ .....	4 x 2 1/2 x 7/20	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	5/8" x 5" 5 dia's?	✓	Breadth and thickness of Middle Line Strake.....		
State if Frame Joggled.....	✓	✓	Thickness of remainder in Holds .....		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	✓	✓	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?.....		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	✓	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships $\frac{1}{2}$ or $\frac{1}{4}$ .....	4 x 2 1/2 x 6/20	✓
Floors, Depth and thickness at mid-line in Holds.....	18" x 6/20	✓	" " in way of Bridge, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....	3 x 2 1/2 x 6/20	ends
Height of Brackets at side above base line at toe of frame.....			" " Spacing .....	21"	✓
Middle Line Keelson, on Floors, Angles, $\frac{1}{2}$ or $\frac{1}{4}$ .....	2 1/2 x 2 1/2 x 6/20	✓	Second Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....		
" " Through Plate or Intercoastal Plate .....	7/20	✓	" " Spacing .....		
" " Foundation Plate on Floors .....	12 x 6/20	✓	Third Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....		
" " Flat Plate Keel Angles .....	2 1/2 x 2 1/2 x 6/20	✓	" " Spacing.....		
Side Keelsons, No. each side.....	ONE	✓	Fourth Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....		
" " thickness of Intercoastal Plate.....			" " Spacing.....		
" " Angles .....	5 x 3 x 7/20	✓	Poop Deck, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....		
DOUBLE BOTTOM.			" " Spacing.....		
Solid Floors, thickness and spacing .....			Bridge Deck, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....		
" " Are Frame and Reversed Frame joggled? .....			" " Spacing.....		
Bracket Floors, breadth and thickness at middle line .....			Forecastle Deck, Angle, $\frac{1}{2}$ or $\frac{1}{4}$ .....		
" " 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, No. of Rows</b> .....				
<i>E.R. SPACE</i> in 'tween Decks, Size and Spacing .....	20 4 1/2 (TUBE) FR 7.	✓		
" <i>CREW SPACE</i> " " .....	20 2 1/4" FR 55.	✓		
" in Hold <i>CREW SPACE</i> " " .....	20 2 1/4" FR 59.	✓		
" <i>CHAIN LOCKER</i> " " .....	20 2" FR 65 & 67.	✓		
<b>Centre Line Bulkhead.</b> Stiffeners and Spacing .....	3 x 2 1/2 x 9/20. SPACING 21"	✓		
Plating, thickness of .....	6/20.	✓		
<b>STRINGERS AND DECKS.</b> <b>Uppermost Continuous Deck.</b> Stringer Plate, breadth and thickness in Wells .....	38" x 7/20.	✓		
" " " " in way of Bridge .....	-			
" Angle in Wells .....	3 x 3 x 7/20.	✓		
Thickness of Plating abreast Deck openings in way of Wells .....	7/20.	✓		
Thickness of Plating abreast Deck openings in way of Bridge .....	7/20.	✓		
Thickness of Plating within line of openings...	7/20.	✓		
If Sheathed, material and thickness .....	TEAK 2 1/2" THICK	✓		AT FORE DECK ON W. CREW SPACE.
<b>Second Deck.</b> Stringer Plate, breadth and thickness in Wells .....	-			
Stringer Plate, breadth and thickness in way of Bridge .....				
Thickness of Plating abreast Deck openings in way of Wells .....				
Thickness of Plating abreast Deck openings in way of Bridge .....				
Thickness of Plating within line of openings...				
If Sheathed, material and thickness .....				
<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.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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.....	36	9/20	9/20	9/20		DOUBLE	3/4	3	3.2	3/4	2 5/8	STRAPPED
„ Dblg. (if any)	-	-	-	-								
Bottom Plating, No. of Strakes .....2.....	48"	9/20	3/8	3/8		DOUBLE	3/4	3	3.2	3/4	2 5/8	LAPPED
Bilge Plating, No. of Strakes .....1.....	54	7/20	7/20	7/20		DOUBLE	5/8	3/4	2 1/2	5/8	2 3/16	LAPPED
Side Plating, No. of Strakes .....1.....	54	7/20	7/20	7/20		DOUBLE	5/8	3/4	2 1/2	5/8	2 3/16	LAPPED
Upper Deck, Sheer- strake in Wells.....	46 1/2	9/20	3/8	3/8		DOUBLE	3/4	3	3.2	3/4	2 5/8	LAPPED
Upper Deck, Sheer- strake in Bridge ...												
Strake below Sheer- strake in Wells .....												
Strake below Sheer- strake in Bridge ...												
Poop Side Plating.....												
Bridge Side Plating.....												
Forecastle Side Plating												

FORGINGS AND CASTINGS.

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *FOUR.* ✓

" Deck next below —

As per Rule *AS APPROVED.* ✓

## STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second " "					
" " Third " "					
" " Holds <i>FR 22, 27, 51</i>	7/20	8/20	4 x 2 1/2 x 9/20	24"	-
" " (in Hold) <i>FR 63</i>	7/20	8/20	4 x 2 1/2 x 9/20	24"	-
COLLISION " " " "					
AFTER PEAK " <i>W.T. Floor, FR 4</i>	9/20	3 x 2 1/2 x 5/20	18"	-	-

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....		-		
STEM .....	FORGING	5" x 1 1/4"	S.H.B.	TESTED
STERN FRAME { Propeller Post .....	FORGING	5 1/2 x 2 1/2"	S.H.B.	TESTED
{ Rudder " .....				
Speed of Vessel .....		8 3/4 KNOTS		
RUDDER—Type .....		SEMI BALANCED.		
" A x D. <i>18.35 x 1.1</i> .....		20.185.	See plan	
" Diam. of head .....	FORGED	4"		TESTED
" Mainpiece at top pintle .....		4 1/2"		
" " heel ...		3 1/2"		
" how constructed .....		CASE STEEL FRAME. ARMS - STEEL PLATE.		
" double or single plate .....	DOUBLE	5/20		
" 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) *SM. OPEN HEARTH PROCESS**(SUPPLIERS: P. W. MAC LELLAN, GLASGOW) STEEL ORDERED BY S.H.B. THROUGH THE CROWN AGENTS**VARIOUS MANUFACTURERS.*Has the Steel been tested as required by the Rules? *YES* ✓



EQUIPMENT No. LETTER C 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.

CHAIN CABLES. 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.

Steering Gear, Type (Power or hand) HYDRAULIC - HAND OPERATED Alternative Means of Steering FITTED WITH BLOCKS & TACKLE.
Steering Chains (Size and Test) NONE Windlass DOUBLE GEAR - HAND OPERATED Boats 12'2" x 5'0" x 2'1" (79 CU FT).
Ceiling in Holds, thickness and material NONE Cargo Battsens, thickness, material and spacing NONE.
Cargo Hatchways.-(Upper Deck) ONE WATER TIGHT HATCH. 7'0" x 5'0" x 2'0" HIGH Thickness of Hatches COAMING 3/20 COVER 5/20.
Size of Hatchways No. 1 (Fwd.) No. 2 No. 3 No. 4 No. 5 No. 6
Number of Shifting Beams and/or Fore and Afters NONE.
Builder's Signature R. W. G. D. Ag. Dockyard Manager THE SINGAPORE HARBOUR BOARD.

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. METASMA.
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. 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 vessel 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 used in the construction have been tested by the Society's Surveyors and the workmanship in all respects is good. The tanks have been tested as required by the Rules.
The foreboard rockings have been cut in on the ship's sides.
The vessel is eligible, in my opinion, to be classed with the Society.
\* NOTE. Certificate of Test in respect of the 135 fathoms of 1 3/16 inch stud built chain cable and one box of shackles on board the vessel had not been received. The Shipbuilders have written for these documents and arrangements have been made for the chain cable and box of shackles to be verified when the test certificate arrives.

The amount of Entry Fee. £ : : Fees applied for, 7/8/1952. (Special notations, where part of class, to be stated.)
Special Survey Fee. £ \$147.50 Received by me, 19
Travelling Expenses, if any £ \$50.00 I am of opinion the Vessel should be Classed 100A1 (WATER TANKER) (RESTRICTED SERVICE).
State whether the Vessel has been built under Special Survey YES Signature W. P. Watson. Surveyor to Lloyd's Register of Shipping.
Certificate to be sent to Singapore Date of issue 4/12/52
Committee's Minute
Character assigned +100A1 For Service between Singapore & Pulau Samboe & Pulau Bukom (with endorsement)
+ LMC 7.52 Oil Eng.
White Stg.
Note for SRL. 010624-010630-0024 3/8



SISTER VESSEL "BURONG" REPORT No 8033.

The vessel has been constructed in accordance with these plans and the amended plans there is

SECRETARY'S LETTERS. SHIP DATED 17/8/51. 28/9/51.

**SPECIAL NOTATIONS:**—Either as part of the vessel's class or for record in the Register Book. WATER TANKER: FOR SERVICE BETWEEN SINGAPORE AND PULAU SAMBOIS AND PULAU BUKOM.

1st Bower. WEIGHT. C - 2-105.  
J - 0-3. ✓ A.E.G. 6328. 3/4/52.

2nd " C - 2-105.  
S.T.R.A.M. J - 0-0. ✓ A.E.G. 6421. 8/5/52.

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

Official No. 196182 Signal Letters — Extreme Breadth over Belting 24.75 FT. Over-all Length 127.75 FT.  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks SINGLE FAUSH STEEL DECK. WOOD SHEATHING (2 1/2") OVER CREW SPACE FORWARD.

Parts of Bottom of Vessel coated with cement or approved composition (—) clear of tanks?

**PARTICULARS OF WATER BALLAST:**—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Order for Special Survey No.

Date \_\_\_\_\_

Dates of Surveys held while building

1951:- Nov. 12, 13, 17, 22, 24; 26, 27, 30; Dec. 4, 5, 6, 10, 11, 12, 15, 18, 21, 27, 31.  
1952:- Jan; 3, 9, 17, 21, 23, 30; Feb., 3, 7, 11, 18, 20, 22; MAR. 1, 4, 21, 31; APR. 3, 8, 10, 12, 14, 16, 19, 21,  
23, 24, 28; May, 10, 16, 20, 27, 29, 30, 31; JUNE. 3, 4, 6, 13, 18, 25, 26, 27, 29, 30; July. 1, 2,  
SEPT. 2, 8.

Total No. of Visits 67