

## STEEL STEAMER OR MOTORSHIP

TANKER &amp; CARGO

Received at London Office

SECTION

No. 831

27 MAR 1948

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *From Newcastle Office*Date of completion of report *25th March 1948*Port of *Sunderland*No. *34864*Survey held at *Sunderland*Date First Survey *11th October 1946*Last Survey *24th March*

1948

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

*S. S. "MATADIAN", Single Screw, Machinery aft*

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

*Full Scantling*State Type of Erections *Poop, Trunk & Fore-castle*TONNAGE under Tonnage Deck ... *5122.98*CLASS *+100A.1. Carrying Petroleum in Bulk*State if with freeboard as condition of Class *No*Built at *Sunderland*No. 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 410.0*Launched *16th September 1947* Yard No. *776*Breadth (greatest moulded) *B 56.5*Builders *Mr James Laing & Sons, 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 29.25*Owners *United Africa Co., Ltd.*Gross Tonnage *6245.70*1st Longitudinal Number (L x D) *11992*Managers *✓*Register Tonnage *3576.51*2nd Numeral L x (B + D) *35157*

(Where necessary to be entered in Reg. Book)

## REGISTERED DIMENSIONS.

FEET

Length *416.6*Breadth *56.7*Depth *29.2*Framing Depth "d," at middle of length. See Sec. 3 (1d) *✓*Residence *✓*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.15* *✓*Port of Registry *Freetown*Do. Long Bridge to top of keel *✓*If surveyed while building, afloat, or in dry dock *Yes*Draught Moulded *26'-1"*

## 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	✓		Bracket Floors, Frame	✓	
from 1/2 length amidships to Collision bulkhead	✓		Reversed Frame	✓	
in peaks	24 ✓		Vertical Struts	✓	
SIDE FRAMING. (LONGITUDINAL FRAMING)			Centre Girder, depth and thickness <i>(IN WAY NO 3 HOLD)</i>	42 1/2 x .61 ✓	
Frame Amidships, Angle, [ or ] <i>RPT. 1 * ATTACHED</i>	✓		top Angles	3 1/2 3 1/2 .45 ✓	
Extends up to	✓		bottom Angles	4 4 .50 ✓	
Reversed Frame Amidships, Angle	✓		<i>(IN B.R. 1 ea. side .49 ✓)</i>		
Extends up to	✓		Side Girders, No. each side and thickness <i>(IN E.R. 2" " .47 ✓)</i>		
Depth of Framing Girder	✓		Margin Plate depth (excl. of flange) and thickness <i>(IN WAY NO 3 HOLD)</i>	37 x .50	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	✓		Vertical Angle to Tank side Bracket <i>(IN WAY NO 3 HOLD)</i>	6 6 .46 Double ✓	
Second 'tween Decks, Angle, [ or ]	✓		Vertical Angle to Tank side Bracket <i>(IN WAY NO 3 HOLD)</i>	Tank top in way for'd holds extended to ship's sides. ✓	
Third	✓		Gussets, spacing and scantling <i>(IN WAY NO 3 HOLD)</i>	.50" thk. & as approved	
from 1/2 len. for'd. to 15% len. from Stem	✓		Gussets, spacing and scantling <i>(IN WAY NO 3 HOLD)</i>	Tank top in way for'd holds extended to ship's sides. ✓	
in Peaks, <i>Angle [ or ]</i>	8 3 1/2 .35 ✓		to Panting Area	Transverse web frames as approved	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	✓		Tank Side Brackets, height above base line at toe of Frame and thickness <i>(IN WAY NO 1 &amp; 2 HOLDS)</i>	.46" & .40" ✓	
State if Frame Joggled <i>(TRANSVERSE FRAMING AT ENDS)</i>	Yes ✓		INNER BOTTOM PLATING <i>(IN WAY NO 3 HOLD)</i>		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		Breadth and thickness of Middle Line Strake <i>(IN WAY NO 3 HOLD)</i>	62 x .48 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		Thickness of remainder in Holds <i>(IN WAY NO 1 &amp; 2 HOLDS)</i>	.40" & .48" IN WAY NO 1 & 2 HOLDS ✓	
SINGLE BOTTOM.			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 ✓	
Floors, Depth and thickness at mid-line in Holds	✓		BEAMS. LONGITUDINAL <i>REPORT 1 * ATTACHED</i>		
Height of Brackets at side above base line at toe of frame	✓		Uppermost Continuous Deck, <i>(AT ENDS)</i>	F. 7 3 .42 & as approved ✓	
Middle Line Keelson, on Floors, Angles, [ or ]	✓		Wells, Angle, [ or ]	A. 7 3 .40 & " ✓	
Through Plate or Inter-costal Plate	✓		in way of Bridge, Angle, [ or ]	✓	
Foundation Plate on Floors	✓		Spacing <i>AT ENDS</i>	24 ✓	
Flat Plate Keel Angles	4 4 .56 ✓	DOUBLE	Second Deck, amidships, Angle, [ or ]	✓	
Side Keelsons, No. each side	✓		Spacing	✓	
thickness of Inter-costal Plate	✓		Third Deck, amidships, Angle, [ or ]	✓	
Angles	✓		Spacing	✓	
DOUBLE BOTTOM (AFT.)			Fourth Deck, amidships, Angle, [ or ]	✓	
Solid Floors, thickness and spacing <i>(N° 3 HOLD)</i>	.38" @ 8'-0" apart ✓		Spacing	✓	
Are Frame and Reversed Frame joggled?	Yes ✓		After End	7 3 .38 ✓	
Bracket Floors, breadth and thickness at middle line	.49" @ spacing as approved ✓		Spacing (AFTER END)	24 ✓	
breadth and thickness at margin plate	.47" @ 2'-1" apart ✓		POOP DECK, Angle, [ or ]	5 3 .25 ✓	
			ABREAST TRUNK DK.	34 1/2" ✓	
			Bridge Deck, Angle, [ or ] <i>LONGITUDINAL WITH TRANSVERSES AS APPROVED</i>	8 3 .35 ✓	
			Spacing	24 ✓	
			FORECASTLE DECK, Angle, [ or ]	8 3 .35 ✓	
			Spacing (AFTER END)	24 ✓	



## 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.
IN WAY N°3 HOLD SPACES							
PILLARS, No. of Rows	(WIDELY SPACED PILLARS IN CONJUNCTION WITH GIRDERS AS APPROVED)	2	✓	Stringer Plate, breadth and thickness in way of Bridge		✓	
"	in 'tween Decks, Size and Spacing	3 7/8	dia. solid & as approved	Thickness of Plating abreast Deck openings in way of Wells		.90	✓
"	"	✓		Thickness of Plating abreast Deck openings in way of Bridge		✓	
"	in Holds	13 x 13 x .46	WELDED & as approved	Thickness of Plating within line of openings		.60	✓
"	"	✓		If Sheathed, material and thickness		✓	
Centre Line Bulkhead	(IN WAY CARGO TANKS)	6	3 .36	Third Deck.		✓	
Stiffeners and Spacing	24" TO 30" SP. AS APPROVED	9	3 1/2 .38	Stringer Plate, breadth and thickness		✓	
Plating, thickness of		.38	TO .46	If Plated, state thickness		✓	
STRINGERS AND DECKS.							
Uppermost Continuous Deck. (HARBOUR DK.)		75	x .65	Fourth Deck.		✓	
Stringer Plate, breadth and thickness	in Wells	.78	✓	Stringer Plate, breadth and thickness		✓	
	TNKS. IN WAY POOP & FO'C'LE FRONTS	6	6 .60	If Plated, state thickness		✓	
"	in way of Bridge	✓		Poop Deck.		✓	
"	Angle in Wells	6	6 .60	Stringer Plate, breadth and thickness		.56	TO .36 AS APPROVED
Thickness of Plating abreast Deck openings	in way of Wells EXP. TRUNK	.60	✓	Plating, Sheathing, material and thickness		.85	TO .30 AS APPROVED
Thickness of Plating abreast Deck openings	in way of Bridge	✓		Bridge Deck.		✓	
Thickness of Plating within line of openings		✓		Stringer Plate, breadth and thickness		✓	
If Sheathed, material and thickness		✓		Plating, Sheathing, material and thickness		✓	
EX. TRUNK.		80	x .90	Forecastle Deck.		✓	
Second Deck.		80	x .90	Stringer Plate, breadth and thickness		.56	TO .36 AS APPROVED
Stringer Plate, breadth and thickness	in Wells	80	x .90	Plating, Sheathing, material and thickness		.70	TO .34 AS APPROVED

## 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.....	60	.84	.72	.72	(.69 AT ENDS)	Double	1"	4"					
„ Dblg. (if any)	✓	✓	✓	✓									
Bottom Plating, No. of Strakes ..... 3	A, B, E C	.58	.47	.49		Double	7/8	3 1/2	IN WAY CARGO TANKS & FORP & AFT OF "				
Bilge Plating, No. of Strakes ..... 1	D	.60	.47	.49	(+.02" OWNERS)	}							
Side Plating, No. of Strakes ..... 2	E E F	.56	.44	.46									
Upper Deck, Sheer- strake in Wells.....	70 1/2	.56	.44	.44	(Approved 78" wide) (.70" IN WAY POOP & FO'CLE ENDS)		Double	7/8	3 1/2				
Upper Deck, Sheer- strake in Bridge ...	✓	✓	✓	✓									
Strake below Sheer- strake in Wells.....	95 1/4	.56	.44	.44	(Approved 96" wide)								
Strake below Sheer- strake in Bridge ...	✓	✓	✓	✓									
Poop Side Plating.....	✓	✓	✓	.68 to .38		Double	7/8	4					
EXP. TRUNK Bridge Side Plating.....	✓	.70	✓	✓									
Forecastle Side Plating	✓	✓	.64 to .42	✓		Double	7/8	4					

Butts of Keel & Shell plating welded

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 14 ✓

„ Deck next below ✓

As per Rule 7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, <del>Bar</del>		Flat plate		
STEM	UPPER PORTION	M.S. Fashion plate		
	LOWER	Rolled bar 10x2 1/2		9 1/2 x 2 1/2
STERN FRAME	Propeller Post	Cast	As ✓	The Wolingham
	Rudder	Steel	Approved ✓	Steel Co., Ltd.
Speed of Vessel		12 knots	✓	
RUDDER—Type		Ordinary	✓	
" A × D		660	✓	
" Diam. of head		14"	✓	(+10% Owners)
" Mainpiece at top pintle		12 7/8"	✓	
" heel		9 3/4"	✓	
Approved ✓ " how constructed		Built & Welded	✓	
" double or single plate		Double	✓	.50" thick
" 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) *Siemens' Open Hearth*  
*Consell Iron Co., Ltd.; Dorman Long & Co., Ltd.; Appleby-Frodingham Steel Co., Ltd.; Skinningrove Iron*  
*Co., Ltd.; South Durham Steel & Iron Co., Ltd.; Cargo Fleet Iron Co., Ltd. and Colvilles, Ltd.*  
Has the Steel been tested as required by the Rules? *Yes*



SUNDERLAND RPT. No 34864

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NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, &c., on the first page.

0199/3







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.)

This ship is the first of this type to be built by Messrs Sir James Lamb & Sons Ltd, Sunderland.

The following Casting Certificates are enclosed:—Sternframe, Rudder head, Quadrant & Tiller

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of keel, shell, upper, poop & fore deck, trunk deck & side plating welded. Poop & fore deck at ends, upper deck inside poop & fore-castle, D.B. tank tops, flats & stringers fore & aft welded to shell. Brackets to longitudinal at bds. slotted thru bulkheads & welded. Transverse bds. welded to longitudinal & bds. & to shell on flat of bottom. Seams & butts of longitudinal & bds. & D.B. tank tops fore & aft welded. Bulkhead girders welded to bds. Transverses welded to deck, to longitudinal bds., to trunk sides, to bottom shell & to D.B. tank tops. D.B. floors & divisional bds. fore part welded. Trunk side & poop front welded to deck. Vest stiffeners to hold bds. & settling tank bds. part welded. Rudder built & welded. Hatch & vent. coamings & other items of minor importance welded. Electrodes complying with Sect. 4 of the Rules have been employed for manual welding & the Rules for the Application of Electric Arc Welding in Ship Construction have been complied with where applicable.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Carrying Petroleum in Bulk or Vegetable Oils; Longitudinal framing; Shell, deck & trunk deck butts electrically welded; Fitted for oil fuel 3, 48, F.P. above 150°F.; Cruiser stern; Gyro Compass; Echo Sounding; Direction Finder; and Wireless. Lloyd's A 2 C.P. pt. Gen

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

	1st Bower	2nd	3rd
	46 - 1 - 21, J.H.J., 8468, 10-1-47.	47 - 3 - 0, J.H.J., 8307, 22-11-46.	39 - 0 - 0, J.H.J., 8498, 22-1-47

112.0

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 156.2' ft., R.Q.D. ft., Bridge ft., Fore-castle 107.2' ft.

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

Official No. NOT YET ASSIGNED Signal Letters G Y Z Z Extreme Breadth over Belting No belting Over-all Length 481.25' (Circ. 1611) (Circ. 1703)

No. and Material of Decks One (1) Steel deck (Upper) — Fore-castle, Trunk & Poop decks, steel

Parts of Bottom of Vessel coated with cement or approved composition. F & A. peak tanks, feed water tank, cofferdam & dry tank in way E & B. room double bottom cemented on bottom shell & cement washed elsewhere. All other tanks required to carry oil as fuel or cargo uncoated.

Particulars of composition (if fitted) and of approval F & B. Structure below floor level and No 3 hold bilge coated with Bitumastic Solution & enamel.

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.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, (No 3, IN WAY No 3 HOLD) FRs. 42-50	Feet. 40.00	Tons. 128.0	Fore peak tank, F.W. (FR 92 - Fore)	Feet. 23.0	Tons. 134.0
Double bottom, under Engines and Boilers,			After peak tank, F.W. (A.P. - FR. 8)	16.0	119.0
Double bottom, if under Engines only, FEED WATER FRs. 13-34	47.67	104.0	Deep tank, aft, COFFERDAM (FRs. 50-51)	3.5	163.0
Double bottom, if under Boilers only, DRY TANK FRs. 35-42	34.67	9.0	Deep tank, forward, (FRs. 89-92)	6.0	153.0
Double bottom, forward, (No 1 & 2 IN WAY No 1 & 2 HOLDS) (FRs. 67-89)	76.50	648.0	Other tanks, if fitted, F.W. TANK AFT. (FRs. 8-10)	4.0	35.0
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6222

Date 14-5-46

Dates of Surveys held while building

1946 Oct 11, 15, 28, 31 Nov 12, 19, 25 Dec 12, 20  
1947 Jan 2, 9, 10, 31 Feb 11, 18, 27 Mar 3, 6, 24, 31 Apr 8, 9, 14, 18, 28 May 13, 16, 19, 21 Jun 3, 5, 6, 12, 19, 23, 27 Jul 3, 7, 11, 18, 25, 28, 29 Aug 1, 5, 7, 12, 26, 27, 28, 29 Sep 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 16, 18, 19, 22, 24, 26, 29 Oct 3, 4, 8, 9, 20 Dec 4, 9, 12, 16, 18, 21  
1948 Jan 2, 9, 12, 14, 16, 22, 23, 24, 26, 27, 28, 29 Feb 2, 3, 11, 12, 14, 18, 20, 24, 27, 28 Mar 1, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 14, 18, 19, 22, 25  
76.5  
6.0  
82.5  
648  
153  
801  
Total No. of Visits 21