

Rpt. 1
12 APR 1950
IN D.O.

STEEL STEAMER OR MOTORSHIP.

Received at London Office
31 MAR 1950

36824

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 29th March 1950 Port of MIDDLESBROUGH No. 19018
Survey held at Smiths Dock Co. Ltd. Date First Survey 14th March 1949 Last Survey 4th March 1950

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Twin Screw Steamer "GADINIA" Machinery fitted aft
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections forecastle combined bridge on trunk

TONNAGE under Tonnage Deck ...
Do. of space or spaces between Tonnage Dk. Upper Dk.

CLASS + 100A1 State if with freeboard —
(CARRYING PETROLEUM IN BULK) condition of Class —
Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 405-10
Breadth (greatest moulded) B 62-6
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 21-6
1st Longitudinal Number (L x D) 8725
2nd Numeral L x (B + D) 34090
Framing Depth "d," at middle of length. See Sec. 3 (1d) ✓
Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.6
Do. Long Bridge to top of keel ✓
Draught Moulded ✓

Built at South Bank-on-Tees
Launched — Yard No. 1187
Builders Messrs Smiths Dock Co. Ltd.
Owners N.V. CURACAO SCHEEPVAART
MAATSCHAPPIJ EMMASTAD CURACAO N.V.
Managers —
(Where necessary to be entered in Reg. Book)
Residence ✓
Port of Registry WILLEMSTAD
If surveyed while building, afloat, or in dry dock Whilst building, afloat & dry dock

Tonnage 5924.17
er Tonnage 2925.14
REGISTERED DIMENSIONS.
FEET
40.74
62.66
21.85

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.....	28	✓	Bracket Floors, Frame	—	—
" " from 1/2 length amidships to Collision bulkhead.....	24	FOR FR. 1187	" " Reversed Frame.....	—	—
" " in peaks	24	✓	" " Vertical Struts	—	—
IDE FRAMING.			Centre Girder, depth and thickness amidships <u>1st M.S. 56 55 in 83.</u>		
Frame Amidships, <u>BA</u> or <u>[</u>	4	3 36	" " top Angles	3 1/2 3 1/2 49 in 83.	
" " Extends up to <u>Harbour Deck</u> <u>stayed aloft 2-3</u>			" " bottom Angles.....	3 1/2 3 1/2 49	
Reversed Frame Amidships, Angle	—	—	Side Girders, No. each side and thickness.....	3 3 44	
" " Extends up to	—	—	Margin Plate depth (excl. of flange) and thickness	—	—
Depth of Framing Girder.....	4	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	—	—
Frames in Uppermost Continuous 'tween Decks, Angle, <u>[</u> or <u>[</u>	—	—	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	—	—
" " Second 'tween Decks, Angle, <u>[</u> or <u>[</u>	—	—	" " 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	9	3 36 24	Tank Side Brackets, height above base line at toe of Frame and thickness	—	—
" " in Peaks, Angle or <u>[</u>	6	3 34	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 26 1/2 Dia.	✓	Breadth and thickness of Middle Line Strake.....	53.7 45	
State if Frame Joggled.....	✓	✓	Thickness of remainder in <u>M.S.</u>	53 45	
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.		
INGLE BOTTOM. (IN FORE HOLD ONLY)			Uppermost Continuous Deck, amidships in Wells, Angle, <u>[</u> or <u>[</u>	—	—
Floors, Depth and thickness at mid-line in Fore Holds.....	32 38	✓	" " in way of Bridge, Angle, <u>[</u> or <u>[</u>	—	—
Height of Brackets at side above base line at toe of frame.....	no brackets	✓	" " Spacing	—	—
Middle Line Keelson, on Floors, Angles, <u>[</u> or <u>[</u>	—	—	Second Deck, amidships, Angle, <u>[</u> or <u>[</u>	—	—
" " Through Plate or Inter-costal Plate	32 40	✓	" " Spacing	—	—
" " Foundation Plate on Floors	36 40	✓	Third Deck, amidships, Angle, <u>[</u> or <u>[</u>	—	—
" " Flat Plate Keel Angles	4 4 48 Drills	✓	" " Spacing	—	—
Side Keelsons, No. each side (in Fore Hold)	4	✓	Fourth Deck, amidships, Angle, <u>[</u> or <u>[</u>	—	—
" " thickness of Inter-costal Plate.....	36 40	✓	" " Spacing	—	—
" " Angles	6 3 48 on floors	✓	Poop Deck, Angle, <u>[</u> or <u>[</u>	8 3 42 B.A.	
DOUBLE BOTTOM. (BELOW ENGINE & BOILERS)			" " Spacing.....	Every frame	✓
Solid Floors, thickness and spacing	34 53 44 85	✓	Bridge Deck, Angle, <u>[</u> or <u>[</u>	—	—
" " Are Frame and Reversed Frame joggled?	Frame joggled	✓	" " Spacing.....	—	—
Bracket Floors, breadth and thickness at middle line	34 53 44 85	✓	Forecastle Deck, Angle, <u>[</u> or <u>[</u>	8 3 40 32	
" " breadth and thickness at margin plate.....	—	—	" " Spacing.....	Every frame	✓

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Foundation
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PILLARS AND DECKS.

PILLARS, No. of Rows	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	Number of Certificate.
Stringer Plate, breadth and thickness in way of Bridge	—	—	—	—	3276
Thickness of Plating abreast Deck openings in way of Wells	—	—	—	—	53.26
Thickness of Plating abreast Deck openings in way of Bridge	54 ✓	—	—	—	3183
Thickness of Plating within line of openings	48 ✓	—	—	—	3200
If Sheathed, material and thickness	—	—	—	—	1*
Third Deck.	—	—	—	—	FRA
Stringer Plate, breadth and thickness	—	—	—	—	of E,
If Plated, state thickness	—	—	—	—	in Bridge
Fourth Deck.	—	—	—	—	from Up
Stringer Plate, breadth and thickness	—	—	—	—	k
If Plated, state thickness	—	—	—	—	
Poop Deck.	—	—	—	—	
Stringer Plate, breadth and thickness	64 44 ✓	—	—	—	
Plating, Sheathing, material and thickness	64 44 ✓	—	—	—	
Bridge Deck.	—	—	—	—	
Stringer Plate, breadth and thickness	—	—	—	—	
Plating, Sheathing, material and thickness	—	—	—	—	
Forecastle Deck.	—	—	—	—	
Stringer Plate, breadth and thickness	34 ✓	—	—	—	
Plating, Sheathing, material and thickness	34 ✓	—	—	—	

SHELL PLATING.

STRAKES.	SCANTLINGS.				RIVETING.			
	AS IN VESSEL.				EDGES.			
	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				BUTTS.			
	AMIDSHIPS.	FORWARD.	AFT.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	NO.	NO. OF ROWS OF RIVETS.	RIVETS.	STRAPPED OR LAPPED.
Flat Plate Keel	55	66	52	52	Double	7/8	3/4	
„ Dblg. (if any)	A=8 1/4	50	42	42	Double	3/4	2 5/8	ALL BUTTS OF
Bottom Plating, No. of Strakes	B=8 1/4	50	42	42	Double	3/4	3	SHELL PLATING
Bilge Plating, No. of Strakes	C=8 1/4	50	42	42	Double	3/4	3	ELECTRIC WELDED
Side Plating, No. of Strakes	D=8 1/4	52	42	42	Double	3/4	2 5/8	
Upper Deck, Sheer-strake	66	48	42	42	Double	3/4	2 5/8	
Upper Deck, Sheer-strake in Bridge	99	48	42	42	Double	3/4	2 5/8	
Strake below Sheer-strake in Wells	—	—	—	—	Double	3/4	2 5/8	
Strake below Sheer-strake in Bridge	—	—	—	—	Double	3/4	2 5/8	
Poop Side Plating	—	—	—	38	Double	3/4	2 5/8	
Bridge Side Plating	—	—	—	—	Double	3/4	2 5/8	
Forecastle Side Plating	—	—	—	40	Single	3/4	2 5/8	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)

Deck next below

As per Rule

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	38	6x3 1/2x480A	28 3/4	6x3 1/2x480A	10-10 1/2
„ „ Second	38	5x3 1/2x420A	28 3/4	5x3 1/2x420A	10-10 1/2
„ „ Third	38	5x3 1/2x420A	28 3/4	5x3 1/2x420A	10-10 1/2
„ „ Holds	38	5x3 1/2x420A	28 3/4	5x3 1/2x420A	10-10 1/2
COLLISION	34	5x3 1/2x420A	30	5x3 1/2x420A	30
AFTER PEAK	32	5x3 1/2x420A	30	5x3 1/2x420A	30

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Flat Plate			
STEM	8x 1/2 M.S. Bar			
STERN FRAME	Propeller Post			
„ Rudder				
Speed of Vessel	12 knots			
RUDDER—Type	Simple Type by Smith			
„ A x D	10x 5 1/2 (see sketch)			
„ Diam. of head	1 1/2 forging			
„ Mainpiece at top pintle	9 1/2			
„ „ heel	9			
„ how constructed	like sketch + note on page 1			
„ double or single plate 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)

Consell Iron Co Ltd Dorman Long's Skinningrove, Cargo Fleet, Appleby Frothingham

Has the Steel been tested as required by the Rules?

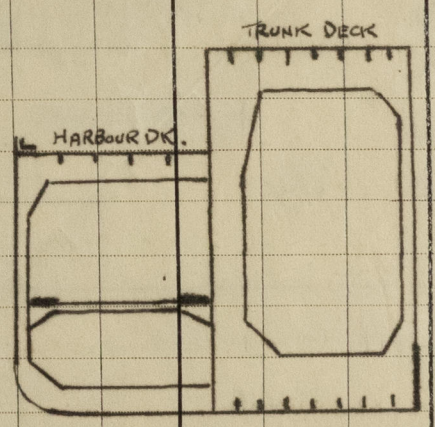
Yes

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FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.						
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.			
														Diam.	Speng.		Number.	Diameter.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Inches.		Inches.			
of $\frac{1}{2}$ L or $\frac{1}{2}$		Bull Angle.																		
in Bridge 'tween Decks ...																				
from Uppermost Continuous No. 1																				
" 2																				
" 3																				
" 4																				
" 5																				
" 6																				
" 7																				
" 8																				
" 9																				
" 10		12.	3 1/2	46 BA	TRANSVERSE FRAMING AT ENDS.													3/4	4 1/2	15 27/8 to 34 1/2 16 27/8 to Long. or welded to bulkhead
" 11		"	"	"														"	"	
" 12		"	"	"	Transverse framing at ends.													"	"	
" 13		"	"	"														"	"	
" 14		"	"	"														"	"	
" 15		"	"	"														"	"	
" 16		"	"	"														"	"	
of Amidships		2' 4 3/4 at bottom shell in centre tanks & at trunk and harbour decks.																		
At Ends		Transverse framing at ends.																		

Tank Top Longitudinals															
Bottom															
Longitudinals	Amidships														
	At Ends...														

Transverses.															
Depth and Thickness															
Face Angles															
Lugs to Shell*															
Depth and Thickness															
Face Angles															
Lugs to Shell*															
Back Bars															
Brackets															
Transverse Frames															
if joggled or liners.															



TRUNK.															
Bridge Deck	8x3/2x40 BA in way of centre tanks	in way of cargo tanks		2-4 3/4											
Upper	4x3x36 BA in way of wing tanks			2-4 3/4											
Second															
Third															

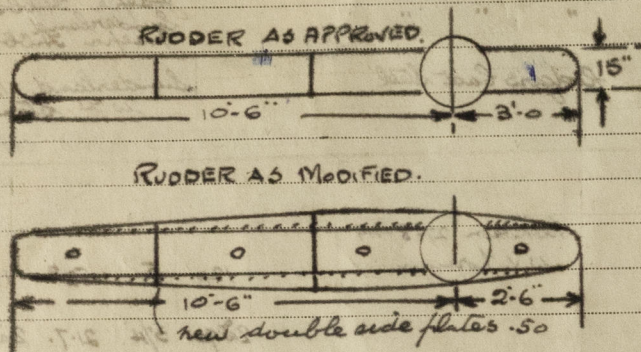
HAWSERS AND WARPS.

FOR SMITH'S DOCK CO. LTD.
O. E. Smith.
SHIPYARD MANAGER

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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 ship: 101214 to be built by Messrs Smiths Dock Co. Ltd.



Rudder: consequent upon the trial trip of a sister ship T.S.S. "GEMMA" built by Messrs J. P. Thompson of Sunderland. The rudder of T.S.S. "GEMMA" has been modified to an aerofoil section, as per sketch similar to T.S.S. "GEMMA" and discussed in London by representatives of Anglo Saxon Co. and approved for this latter vessel. A plan of the modifications is attached to the original plan.

Vessel undocked: 1-3-50.

This ship was intended to be a duplicate of the builder's yard No. 1186, but after most of the material had been ordered the owners decided to increase the length and depth to the present dimensions. The existing material was therefore used as far as possible and new plans submitted embodying this. Side frames and bulkhead stiffeners where short were therefore made up by the use of deep brackets as approved.

PARTICULARS OF ELECTRIC WELDING (if employed) Transverse and longitudinal bulkheads together with stiffening in main wing cargo tanks and O.F. bunkers - horizontal girders to shell and bulkheads, Butts and seams of trunk and harbour deck plating Harbour deck to trunk sides Butts of trunk side seams and butts of poop deck Butts and seams of tank top in machinery space and tank top to shell, floors and girders to tank top in machinery space Stringers to shell in peak floors to shell in after peak in way of bossing - Rudder - pump room top of trunk, all shell butts and shell seams in way of anchor. All electrodes of approved type.

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

Cruiser stern wireless - machinery fitted aft, fitted for oil fuel, flush point above 150°F, longitudinal framing in bottom in centre tank, upper deck and trunk deck. Main screw, part electrically welded.

RADAR Equipment (State if fitted)

State Type or Pattern No.

State Name of Maker and/or Supplier

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

	1st Bower	2nd	3rd	STREAM
34-1-12	J.M.T.	34-2-12	A.F.G.	15-2-12
9912		560		J.P.R.
7-4-48		16-4-48		9221
				3-9-47

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 98.5 ft., Bridge 46 ft., Forecastle 46 ft.

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

Official No. Signal Letters P.E.I.Q. Extreme Breadth over Belting 68.98 Over-all Length 423.66

No. and Material of Decks One deck, steel

Parts of Bottom of Vessel coated with cement or approved composition Bottom shell of peaks cemented, remainder cement washed cement fillets in double bottom, feed and fresh water tanks, remainder cement washed.

Particulars of composition (if fitted) and of approval Wale's Dove bitumastic on tank top in engine & boiler space.

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.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	18	59.2
Double bottom, under Engines and Boilers, 11-24	36	144	After peak tank,	18	158.0
Double bottom, if under Engines only, 28-40	24	153	Deep tank, aft, 101 Wing Tank R-5 (48-62)	32.8	474.2
Double bottom, if under Boilers only, COFFERDAM.	2.25	10	Deep tank, forward, 105 " " (118-146)	65.4	967.6
Double bottom, forward,			Other tanks, if fitted, Cofferdam 146-147	3.0	113.0
Total length (if continuous) and Capacity	65.25	240	(If necessary furnish further information by sketch.)	4.0	1442.0

Order for Special Survey No. 1594

Date 19-12-47

Dates of Surveys held while building

1949. MAR. 14, 15, 24 Apr. 14, 28 May 4, 19, 26, 29 June 10, 15, 22, 27, 30 July 8, 12, 13, 15, 26, 27, 28 Aug. 5, 19, 26
16, 19, 22, 23, 25, 26, 31 Sept. 1, 5, 19, 16, 21, 22, 25, 26, 27, 29 Oct. 4, 5, 6, 10, 13, 17, 21, 24, 25, 26, 27, 28, 31
2, 3, 4, 7, 8, 9, 10, 14, 15 Dec. 8, 15, 23 (1950) Jan. 3, 6, 9, 13, 16, 23, 24, 30 Feb. 1, 3, 7, 10, 23
Mar. 1, 2, 3, 7

Total No. of Visits 8