

BARGE

Rpt. RECEIVED

DISCLOSED SECTION

STEEL STEAMER OR MOTORSHIP.

30 JUN 1950

3 JUL 1950

IN D.O. No. 760

State if Report has been sent on the Freeboard of the Vessel. YES

State if Report is sent on the Machinery of the Vessel. NO

Received at London Office
CRADOCK, HEATH
H. PHILIPS

Date of completion of report

Port of NEWCASTLE-on-TYNE

No. DISCLOSED 107412

Survey held at Wallend-on-Tyne

Date First Survey 19th Dec. 1949

Last Survey 22nd June 1950

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) "KANGAR" (Barge, now propelling)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Opening) "BARGE" for coastal service in the Persian Gulf State Type of Erections None

TONNAGE under Tonnage Deck ...
Do. of space or spaces between Tonnage Dk. and Upper Dk.
Total
Gross Tonnage 327.56
Register Tonnage 327.56

CLASS 100A - "BARGE" State if with freeboard as 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 160
Breadth (greatest moulded) B 25
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 8.5
1st Longitudinal Number (L x D) 1360
2nd Numeral L x (B + D) 5360
Framing Depth "d" at middle of length See Sec. 3 (1d) ✓
Proportions—Depth to Length—Uppermost continuous deck to top of keel 18.8
Do. Long Bridge to top of keel ✓
Draught Moulded 6'-0.11"

Built at Wallend-on-Tyne
Launched 11th May 1950 Yard No. 162
Builders Messrs. Beland's (Successors) Ltd
Owners British Tankers Co. Ltd
Managers BLOCK & IACI
Residence NINE
Port of Registry London
If surveyed while building, afloat, or in dry dock While building, and afloat, and on slip.

REGISTERED DIMENSIONS.
FEET
160.0
25.1
8.0

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.
AMES, Spacing amidships	24	✓	Bracket Floors, Frame		
" " from 3 length amidships to Collision bulkhead	24	✓	" " Reversed Frame		
" " in peaks FORE PEAK AFT PEAK	21 & 24	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F	4 x 2 1/2 x 28	✓	" " top Angles		
" " Extends up to UPPER DK.		✓	" " bottom Angles		
IS FRAMES IN HOLDS 15' x 28"		✓	Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle FACE ANGLE	2 1/2 x 28	✓	Margin Plate depth (excl. of flange) and thickness		
SPACED - EVERY FOURTH FRAME		✓	Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
" " Extends up to UPPER DK.		✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
Depth of Framing Girder	4	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem		
Frames in "Uppermost" Continuous 'tween Decks, Angle, [or]	✓	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, [or]	✓	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " Third	✓	✓	INNER BOTTOM PLATING.		
" " from 1/2 len. forward to 15% len. from Stem	4 x 2 1/2 x 28 DA	✓	Breadth and thickness of Middle Line Strake		
" " in Peaks, Angle or F	4 x 2 1/2 x 28 DA	✓	Thickness of remainder of Holds		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8" 7 dia. c/c	✓	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?		
State if Frame Joggled	NO	✓	BEAMS.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES	✓	Uppermost Continuous Deck, amidships	5 x 3 x 30	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES	✓	" " in way of Bridge, Angle	3 x 2 1/2 x 30 CARLINGS	✓
INGLE BOTTOM.			" " Spacing	EVERY FRAME	✓
Floors, Depth and thickness at mid-line in Holds	12 x 3 1/2 x 3 1/2 x 40/50	✓	Second Deck, amidships, Angle, [or]	100A	✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " Spacing		
Middle Line Keelson, on Floors, Angles	3 1/2 x 3 x 36 DOUBLE	✓	Third Deck, amidships, Angle, [or]		
" " Through Plate or Inter-costal Plate	30	✓	" " Spacing		
" " Foundation Plate on Floors	✓	✓	Fourth Deck, amidships, Angle, [or]		
" " Flat Plate Keel Angles	3 1/2 x 3 1/2 x 30 DOUBLE	✓	" " Spacing		
Side Keelsons, No. each side	1 @ 6'-0"	✓	Poop Deck, Angle, [or]		
" " thickness of Inter-costal Plate	26	✓	" " Spacing		
" " TOP 5 x 3 x 40 SINGLE		✓	Bridge Deck, Angle, [or]		
" " BOTTOM 2 x 2 x 26 SINGLE		✓	" " Spacing		
DOUBLE BOTTOM.			Forecastle Deck, Angle, [or]		
Solid Floors, thickness and spacing			" " Spacing		
" " Are Frame and Reversed Frame joggled?					
Bracket Floors, breadth and thickness at middle line					
" " breadth and thickness at margin plate					

PILLARS AND DECKS.

IN F.B.A. PEAKS ONLY, ALTERNATE PILLARS, No. of Rows		FRAMES ON CENTERLINE	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure Approved Plans to be Noted
in 'tween Decks, Size and Spacing			5 x 5 x 30	✓		
" " " " "						
" in Holds " " "						
" " " " "						
Centre Line Bulkhead. Stiffeners and Spacing						
Plating, thickness of						
STRINGERS AND DECKS.						
Uppermost Continuous Deck.						
Stringer Plate, breadth and thickness in Wells		42 x 36/32				
" " " " in way of Bridge						
" Angle in Wells		32 x 32 x 3/16				
Thickness of Plating abreast Deck openings in way of Wells		36	✓			
Thickness of Plating abreast Deck openings in way of Bridge		✓				
Thickness of Plating within line of openings...		25	✓			
If Sheathed, material and thickness.....		✓				
Second Deck.						
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 Bridge						
Thickness of Plating abreast Deck openings in way of Bridge						
Thickness of Plating within line of openings...						
If Sheathed, material and thickness.....						
Third Deck.						
Stringer Plate, breadth and thickness.....						
If Plated, state thickness						
Fourth Deck.						
Stringer Plate, breadth and thickness.....						
If Plated, state thickness.....						
Poop Deck.						
Stringer Plate, breadth and thickness.....						
Plating, Sheathing, material and thickness						
Bridge Deck.						
Stringer Plate, breadth and thickness.....						
Plating, Sheathing, material and thickness						
Forecastle Deck.						
Stringer Plate, breadth and thickness.....						
Plating, Sheathing, material and thickness.....						

SHELL PLATING.

SCANTLINGS.

STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		RIVETING.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	BUTTS.		STRAPPED 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.....	42	44	40	40		B.R.	3/4	3					
„ Dblg. (if any)													
Bottom Plating, No. of Strakes 2	5 1/2	36	32	32		SR (AR. FOR'D)	3/4	3					
Bilge Plating, No. of Strakes 1	4 1/2	36	32	32		SR	3/4	3					
Side Plating, No. of Strakes }	-	-	-	-		SR	5/8	2 1/2					
Upper Deck, Sheer-strake in Wells }	1 1/2	38	28	28		SR	5/8	2 1/2					
Upper Deck, Sheer-strake in Bridge }	-	-	-	-			-	-					
Strake below Sheer-strake in Wells }	4 1/2	36	28	28		SR	5/8	2 1/2					
Strake below Sheer-strake in Bridge }	-	-	-	-			-	-					
Poop Side Plating.....	-	-	-	-			-	-					
Bridge Side Plating.....	-	-	-	-			-	-					
Forecastle Side Plating	-	-	-	-			-	-					

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WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c).....4 ✓

„ Deck next below.....✓

As per Rule.....4 additional

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Detail from Appra Plans to be
KEEL, Bar		FLAT		
STEM		5 1/2 x 1		
STERN FRAME	Propeller Post	✓		
	Rudder	5 1/2 x 1 1/8		
Speed of Vessel		NOT EXCEEDING 10 KNOTS		
RUDDER—Type		ORDINARY		
" A x D		75		
" Diam. of head		4 1/2		
" Mainpiece at top pintle		4 1/2		
" " heel		4 1/2		
" how constructed		RUNNER ARM EN TO STOCK & PLAT		
" double or single plate		SINGLE		
" coupling, vertical or horizontal		NONE		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)..... **CONSETT IRON CO.** **OPEN HEARTH** ✓

Has the Steel been tested as required by the Rules? **YES**

ANCHORS.

CHAIN CABLES

HAWSERS AND WARPS

L. H. Hagg
DIRECTOR.

0067 2/2

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 vessel is a sister ship to barge "KAWAIKI" Newcastle Report No 103678 103768
The following approved plans forwarded with report.

- ① Midship Section
- ② Main Deck and Cargo Hatches
- ③ Framing Plan
- ④ Flat Plate Keel, Centre & side Keelbars
- ⑤ Bulkheads and Chain Lockers
- ⑥ Shell Expansion
- ⑦ Detail of Jiff Deckhouse
- ⑧ Steering Gear Leads
- ⑨ Sternframe and Rudder
- ⑩ Pumping Plan

The following "as built" plans forwarded with report.

- ① Midship Section
- ② Main Deck & Cargo Hatches
- ③ Framing Plan

Steel Invoices enclosed herewith.

The following damage, stated to have been caused by vessel bumping quay wall whilst being moved on 1st June 1950, now permanently repaired. Shell plate C2 (PSF) leaning up in, cracked & had renewed B2 (PSF) fitted in place, and 1 shell frame fitted in place. Repairs inspected and found satisfactory.

PARTICULARS OF ELECTRIC WELDING (if employed) Rudder & Stern frame, Deck battens & seams, shell battens, bulkhead seams and stiffeners.

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

"FOR COASTAL SERVICE IN THE PERSIAN GULF"

CARGO BATTENS NOT FITTED.

PART ELECTRIC WELDED.

RADAR Equipment (State if fitted) NO

State Type or Pattern No. ✓

State } Maker ✓
Name } and/or ✓
of } Supplier ✓

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

1st Bower ✓
2nd " ✓
3rd " ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle —

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

Official No. Signal Letters Extreme Breadth over Belting 25' 3 3/4" Over-all Length 166' 2"
(Circ. 1811) (Circ. 1703)

No. and Material of Decks 1 DECK (STEEL) & WEB FRAMES

Parts of Bottom of Vessel coated with cement or approved composition FORE & AFTER PEAK TANKS CEMENT WASHED.

IN HOLDS, FLOORS BOTTOM & SIDES COATED WITH BITUMASTIC SOLUTION & HOT ENAMEL (BITULAC). COFFERDAM, RED LEAD ONLY.

Particulars of composition (if fitted) and of approval AS ABOVE.

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	13	40.6
Double bottom, under Engines and Boilers,			After peak tank,	20	87.7
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 length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 5928

Date 14.11.49.

Dates of Surveys held while building

1949/ DEC. 19. 1950/ JAN. 24. FEB. 4. 8. 15. 16. 20. 23. MAR. 1. 6. 13. 15. APR. 4. 13. 14. 25. 28. MAY. 3. 4. 5.
9. 10. 11. 19. 22. 23. 25. JUN. 1. 2. 5. 6. 8. 9. 22.

Lloyd's Register Foundation
Total No. of Visits 34.