

SEP 1950

RECEIVED STEEL STEAMER OR MOTORSHIP. BARGE

8 SEP 1950 DISCLOSED

IN D.O. SECTION

State if Report has been sent on the Freeboard of the Vessel Yes NEWCASTLE-ON-TYNE No. 107566.

State if Report is sent on the Machinery of the Vessel No

Date of completion of report 5th SEPT. 1950 Port of NEWCASTLE-ON-TYNE No. 107641

Survey held at Wallasey - on - Tyne Date First Survey 24/1/50 Last Survey 1st SEPTEMBER 1950

On the (State if Machinery fitted Aft and of Single, Twin or Triple Screw) "KARAJ" (Barge, non propelling)

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

REGISTERED DIMENSIONS. FEET

th 160.0

dth 25.1

h 8.0

CLASS 190A - "Barge" State if with freeboard Yes 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) 160

Breadth (greatest moulded) 25

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 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) 18.8

Proportions—Depth to Length—Uppermost continuous deck to top of keel 18.8

Do. Long Bridge to top of keel 6'-0.11"

Draught Moulded 6'-0.11"

Built at Wallasey - on - Tyne

Launched 29th August 1950 Yard No. 164

Builders Messrs. C. L. & Co. (Lancashire) Ltd

Owners British Tankers Co. Ltd

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

Residence

Port of Registry London

If surveyed while building, afloat, or in dry dock

While building and afloat

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	24	✓	Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead	24	✓	" " Reversed Frame		
" " in peaks <u>FORE PEAK</u>	21 9 24	✓	" " Vertical Struts		
" " <u>AFI...PEAK</u>	24	✓	Centre Girder, depth and thickness amidships		
SIDE FRAMING.			" " top Angles		
Frame Amidships, Angle, <u>E-F</u>	4 x 2 1/2 x 28	✓	" " bottom Angles		
" " Extends up to <u>UPPER DECK</u>		✓	Side Girders, No. each side and thickness		
<u>WEB FRAMES IN HOLDS 15" x 28"</u>			Margin Plate depth (excl. of flange) and thickness		
<u>Reversed Frame Amidships, Angle FACE ANGLE</u>	2 1/2 x 2 1/2 x 28	✓	" " Vertical Angle to Tank side		
<u>SPACED EVERY FOURTH FRAME</u>			Bracket abaft 1/4 len. from stem		
" " Extends up to <u>UPPER DECK</u>		✓	" " Vertical Angle to Tank side		
Depth of Framing Girder	4	✓	Bracket from forward 1/4 len. from stem to Panting Area		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	✓		Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Second 'tween Decks, Angle, [or]	✓		Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " Third " " " "	✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
" " from 1/2 len. for'd. to 15% len. from Stem	4 x 2 1/2 x 28 0A	✓	INNER BOTTOM PLATING.		
" " in Peaks, Angle <u>E-F</u>	4 x 2 1/2 x 28 0A	✓	Breadth and thickness of Middle Line Strake		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 dia. 7 dia. cts c	✓	Thickness of remainder in Holds		
State if Frame Joggled	No	✓	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 the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	Uppermost Continuous Deck, amidships in		
SINGLE BOTTOM.			Walls, Angle, <u>E-F</u>	5 x 3 x 30	
Floors, Depth and thickness at mid-line in Holds <u>CHANNELS</u>	12 x 3 1/2 x 3 1/2 x 40	✓	" " in way of Bridge, Angle, <u>E-F</u>	3 x 2 1/2 x 30 CARLINAS	
Height of Brackets at side above base line at toe of frame	✓		Spacing	EVERY FRAME	
Middle Line Keelson, on Floors, Angles, <u>E-F</u>	3 1/2 x 3 x 36 double	✓	Second Deck, amidships, Angle, [or]		
" " Through Plate or Inter-costal Plate	.30	✓	Spacing		
" " Foundation Plate on Floors	✓		Third 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"	✓	Fourth Deck, amidships, Angle, [or]		
" " thickness of Inter-costal Plate	.26	✓	Spacing		
" " Angles <u>Top</u>	5 x 3 x 40 single	✓	Poop Deck, Angle, [or]		
" " <u>Bottom</u>	2 1/2 x 2 1/2 x 26 single	✓	Spacing		
DOUBLE BOTTOM.			Bridge Deck, Angle, [or]		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Forecastle Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate					

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 F&A, PEAKS ONLY. ALTERNATE FRAMES							
PILLARS, No. of Rows	P.N. CENTRELING	5 x 3 x 30		Stringer Plate, breadth and thickness in way of Bridge			
" in 'tween Decks, Size and Spacing				Thickness of Plating abreast Deck openings in way of Wells			
" " " " "				Thickness of Plating abreast Deck openings in way of Bridge			
" in Holds				Thickness of Plating within line of openings			
" " " " "				If Sheathed, material and thickness			
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing				Stringer Plate, breadth and thickness			
Plating, thickness of				If Plated, state thickness			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness			
Stringer Plate, breadth and thickness in Wells		42 x 36/32		If Plated, state thickness			
" " " " in way of Bridge		✓		Poop Deck.			
" Angle in Wells		3 1/2 x 3 1/2 x 36/25		Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells		36		Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Bridge		✓		Bridge Deck.			
Thickness of Plating within line of openings		25		Stringer Plate, breadth and thickness			
If Sheathed, material and thickness		✓		Plating, Sheathing, material and thickness			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells		✓		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 LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel	12	44	40	40		D.R.	3/4	3				
" Dblg. (if any)												
Bottom Plating, No. of Strakes	5 1/2	36	36	32		S.R. (D.R. FOR)	3/4	3				
Bilge Plating, No. of Strakes	49 1/2	36	32	32		S.R.	3/4	3				
Side Plating, No. of Strakes						S.R.	5/8	2 1/2				
Upper Deck, Sheer-strake in Wells	43 1/2	38	28	28		S.R.	5/8	2 1/2				
Upper Deck, Sheer-strake in Bridge												
Strake below Sheer-strake in Wells	44 1/2	36	28	28		S.R.	5/8	2 1/2				
Strake below Sheer-strake in Bridge												
Poop Side Plating												
Bridge Side Plating												
Forecastle Side Plating												

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	4
Extending to Upper Deck (Sec. 3 c)	✓
" Deck next below	✓
As per Rule	4 approved

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		FLAT		
STEM		M.S. 5 1/2 x 1"		
STERN FRAME	Propeller Post	✓		
	Rudder	M.S. 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		RUDDER ARM EW TO STEER & PLATE		
" double or single plate coupling, vertical or horizontal		SINGLE		
		NONE		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second					
" " Third					
" " Holds		FR 40 26-32	3 x 3 x 26	30"	
" " (in Hold)		FR 70 26-30	3 x 3 x 36	30"	
COLLISION		FR 73 30-32	5 x 3 x 30	24"	
AFTER PEAK		FR 10 30-32	4 x 3 x 30	24"	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	
	CONSETT IRON CO.	DORMAN LONG & CO LD.
	Has the Steel been tested as required by the Rules? YES.	

[illegible]

CHAIN CABLES.								HAWSERS AND WARPS.												
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Cable No.		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.				
	Fathoms.	Ins.	Stations.	Break-ing.	Supplied.	Per Rule	Length.	Diam.					Fathoms.	Ins.		Length.	Cir.	Tons.	Fathoms.	Cir.
81792	90	$\frac{3}{1\frac{1}{2}}$	$\frac{3}{25}$	38	Cwts. qrs. lbs.	1-2			STUD LINK	R.SYKES & SON LD	CRADLEY HEATH 11/7/50 H.PHILIPS	TOWLINE								
												HAWSERS } & WARPS }								
												"								
												"								

Steering Gear, Type (~~Power~~ or hand) BY T. REID & SON (PAISLEY) ✓ LTD.

Steering Chains (Size and Test) $\frac{1}{16}$ ($\frac{3}{4}$ in way of galling) total $5\frac{5}{8}$ tons.
CERL NO 16919. LOW WALKER 25/8/50 W.D. STONE

Holds, thickness and material NRNE

hways.—(Upper Deck) 24" HIGH, PLATES & ANGLES

Highways No. 1 (Fwd.) $38'-0" \times 18'-0"$ No. 2 $38'-0" \times 18'-0"$

Shifting Beams } 5 SHIFTING BEAMS EACH HATCH WAY ✓
 to and from

FOR AND ON BEHALF OF
CLELANDS (SUCCESSORS) LIMITED

Builder's Signature.

DIRECTOR

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. No.
 whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. No. The positions in which

ated, together with the flash point (where required to be inserted in the Notation).

has been built under special survey in conformity with the Society's Rules and Regulations and its letters. The scantlings and arrangements of the ship are as given in the report and as shown and on the approved plans now forwarded. All modifications or additions to the original approved its made cladding construction have been indicated on the plans and have been approved as being in with, a by standards equivalent to, the Rule requirements. The plans of Midship section and Profile and Deck of the ship as built, now forwarded herewith, have been checked with the approved arrangements in order. The materials and workmanship are good. A Freeboard has been assigned, and it in on the vessel's sides and verified. The peak tanks and cofferdam have been tested to cements and found satisfactory. Main and auxiliary steering gear and windlass have been under working conditions and found satisfactory. The weather deck and Bulkhead 40 have been with satisfactory results. Strongly constructed portable steel hopper tanks, electric welded, have been fitted in Nos 1 and 2 cargo holds, in way of hatchways.

FREE BOARD ASSIGNMENT

The amount of ~~Entry Fee~~..... £ 10 : - : -

Special Survey Fee..... £ 83 : - : - }

Travelling Expenses, if any	£	:	:	19
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(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed ***100A- "BARGE"**
"FOR COASTAL SERVICE IN PERSIAN GULF"

Signature

Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey YES

Certificate to be sent to Newcastle - in trip Date of issue 11/10/50

Committee's Minute

Character assigned

+100A- "Barge" with freeboard

"For Coastal service in the Persian Gulf

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Lloyd's Register
Foundation

0187 2 1/2

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 "KARKUNAN" Newcastle Rpt No 107532
The following approved plans forwarded with report.

- ① Midship Section
- ② Main Deck
- ③ Hatch Plan
- ④ Traming Plan
- ⑤ Stbd Plate Keel, Centre & Ldg Keelson
- ⑥ Bulkheads and Chain Locks
- ⑦ Shell Expansion
- ⑧ Detail of aft Deckhouse
- ⑨ Steering Gear Leads
- ⑩ Sternramp & Rudder
- ⑪ Pumping Plan.

The following "As Built" plans forwarded with report

- ① Midship Section
- ② Main Deck
- ③ Traming Plan

Steel invoice enclosed herewith.

PARTICULARS OF ELECTRIC WELDING (if employed)

Rudder & Stern Tramp, deck butte & seams, shell butte, bulkhead seams & stiffeners, steel hatch covers.

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

"For constant service in the Persian Gulf"
Cargo battens not fitted.
Hull 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. ✓ ft.

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

Official No. 183 309 Signal Letters Extreme Breadth over Belting 25'- 3 3/4" (Circ. 1611) Over-all Length 166'- 2" (Circ. 1703)

No. and Material of Decks 1 Deck (Steel) and web frames

Parts of Bottom of Vessel coated with cement or approved composition. Fore & After Peak Tanks cement washed.

Holds, floors, bottom & sides coated with bituminastic solution & hot enamel (Bitulac). Cofferdams—red lead and

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. 5934.

Date 20/2/50

Dates of Surveys held while building

11950 JAN. 24, FEB. 23, MAR. 1, 6, 13, APR. 4, 17, 25, 28, MAY. 25, JUNE 2, 26, JULY 24, 26, AUG. 1, 4, 11, 16, 18, 21, 22, 23, 28, 29, 30, SEPT. 1

Total No. of Visits 26

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