

RECEIVED

28 MAR 1951

IN D.O.

BARGE "KARA TOYA"

STEEL STEAMER OR MOTORSHIP.

Received at London Office

24 MAR 1951

State if Report has been sent on the Freeboard of the Vessel No.

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

Date of completion of report 20th MARCH 1951 Port of NEWCASTLE-ON-TYNE No. 108224Survey held at WALLSEND-ON-TYNE Date First Survey 29th MARCH 1950 Last Survey 16th MARCH 1951

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) BARGE "CLELANDS YARD No 158" NONE PROPELLED — "MANGAL"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) BARGE FOR COASTAL SERVICE BETWEEN CHITTAGONG & Dacca State Type of Erections NONE

TONNAGE under Tonnage Deck ...

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total

Gross Tonnage

Tonnage

REGISTERED DIMENSIONS.

FEET

CONTINGENT

CLASS "100 A1" BARGE for 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 190.0

Breadth (greatest moulded) B 30.0

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 12.5

1st Longitudinal Number (L x D) 5700

2nd Numeral L x (B + D) 8075

Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.6

Proportions—Depth to Length—Uppermost continuous deck to top of keel 15.28

Do. Long Bridge to top of keel

Draught Moulded

DISMANTLED

Built at WALLSEND-ON-TYNE

Launched 16th MARCH 1951 Yard No. 158

Builders MESSRS. CLELANDS (SUCCESSORS) LTD

Owners INDIA GENERAL NAVIGATION & RAILWAY CO LTD

Managers

(Where necessary to be entered in Reg. Book)

Residence ORIENT HSE, NEW BROAD ST. LONDON EC2

Port of Registry

If surveyed while building, afloat, or in dry dock

WHILE BUILDING

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	24	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, [or]	6" 3" .27	✓	" " 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	6"	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	-		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, [or]	-		" " 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	6 3 .27	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle or [6 3 .27	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" DIA - 7" DIA C to C	✓	Breadth and thickness of Middle Line Strake		
State if Frame Joggled	No	✓	Thickness of remainder in Holds		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES	✓	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?	YES	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Walls, Angle, [or]	6 3 .27	✓
Floors, Depth and thickness at mid-line in Holds	12 x 3 1/2 x 3 1/2 x 3/8	✓	" " in way of Bridge, Angle, [or]		
Height of Brackets at side above base line at toe of frame	-		Spacing	EVERY FRAME	✓
Middle Line Keelson, on Floors, Angles, [or]	5 3 .38	✓	Second Deck, amidships, Angle, [or]		
" " Through Plate or Inter-costal Plate	.34 - .38	✓	Spacing		
" " Foundation Plate on Floors	-		Third Deck, amidships, Angle, [or]		
" " Flat Plate Keel Angles	3 3 .38	✓	Spacing		
Side Keelsons, No. each side	-		Fourth Deck, amidships, Angle, [or]		
" " thickness of Inter-costal Plate	-		Spacing		
" " Angles	-		Poop Deck, Angle, [or]		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Bridge Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, [or]		
" " 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.		
PILLARS, No. of Rows		ONE		(ON CENTRE LINE)								
" in After Peak Decks, Size and Spacing		1 @	4 3 1/2	34	0A.							
" FORE PEAK " " "		1 @	4 1/2	4 1/2	38	0A.						
" in Holds (2 IN EACH HOLD)		@	4 1/2	4 1/2	38	0A.						
Centre Line Bulkhead.												
Stiffeners and Spacing												
Plating, thickness of												
STRINGERS AND DECKS.												
Uppermost Continuous Deck.												
Stringer Plate, breadth and thickness in Wells		60"	38									
" " " " in way of Bridge												
" Angle in Wells		3	3	38								
Thickness of Plating abreast Deck openings in way of Wells				38								
Thickness of Plating abreast Deck openings in way of Bridge												
Thickness of Plating within line of openings				38								
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 Wells												
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.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. YES						
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	BUTTS.		
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	STRAPPED OR LAPPED.
Flat Plate Keel	60	38	38	38		DOUBLE	3/4	3	TWO	3/4	3	LAPPED
" Dblg. (if any)												
Bottom Plating, No. of Strakes	60	38	38	38		DOUBLE	3/4	3	TWO	3/4	3	LAPPED
Bilge Plating, No. of Strakes	35	38	38	38		DOUBLE	3/4	3	TWO	3/4	3	LAPPED
Side Plating, No. of Strakes	4 1/2	38	38	38								
Upper Deck, Sheer-strake in Wells	60 1/2	38	38	38		DOUBLE	3/4	3	TWO	3/4	3	LAPPED
Upper Deck, Sheer-strake in Bridge												
Strake below Sheer-strake in Wells	60	38	38	38		DOUBLE	3/4	3	TWO	3/4	3	LAPPED
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—		STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
Extending to Upper Deck (Sec. 3 c)		7			
" Deck next below		—			
As per Rule		7 APPROVED.			
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second					
" " Third					
" " Holds					
COLLISION " (in Hold)					
AFTER PEAK "					

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				FLAT PLATE KEEL
STEM				38 PLATE STEM
STERN FRAME				1" MS SKEG
Speed of Vessel				NOT TO BE TOWED OVER 10 KNOTS.
RUDDER—Type				SEMI-BALANCED.
" A x D				30
" Diam. of head				3 3/4
" Mainpiece at top				3 3/4
" " heel				5 1/2
" how constructed				PLATE WELDED TO ARMS & MAINPIECE
" double or single plate coupling, vertical or horizontal				SINGLE
"				NONE

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

EQUIPMENT No. _____ LETTER _____ ANCHORS _____

[illegible]

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.		
			Statutory.	Break- ing.	Supplied.		Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	
	Length.	Diam.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms					Ins.	Fathoms		Ins.	Fathoms	Ins.
82636	90	1 1/8	22.75	34.125	59	1	4			1 1/8	STUD LINK	RICHARD SYKES & SON LTD	LPH-CH 13.1.51 H. Phillips	TOWLINE	75	2 3/4	15.2	75	2 3/4
82059	90	1 1/8	22.75	34.125	59	2	16			1 1/8	"	"	LPH-CH 27.9.50 H. Phillips	HAWSEY & HARRIS	90	6	14.6	90	6
82176	90	1 1/8	22.75	34.125	60	1	4			1 1/8	"	"	LPH-CH 30.9.50 H. Phillips	"					
Hood Stream Chain Steel Wire	60	3		18.6						3	6x12	HOOD HAGGIE	17.3.50 BY MAKERS	"					

Steering Gear, Type (Power or hand) BY T. REID & SONS (PAISLEY) LTD ✓ Alternative Means of Steering HAND TILLER ✓

Steering Chains (Size and Test) 5/8" dia. test 4 5/8 tons LPH-CH 58170 B-6-50 H. Phillips. Windlass BY T. REID & SONS (PAISLEY) LTD Boats 1 - To Supply by OWNERS.

Ceiling in Holds, thickness and material NONE Cargo Batts, thickness, material and spacing NONE

Cargo Hatchways.—(Upper Deck) STEEL PLATES & ANGLES Thickness of Hatches (STEEL) 32"

Size of Hatchways No. 1 (Fwd.) 8'-0" x 11'-6" No. 2 8'-0" x 11'-6" No. 3 8'-0" x 11'-6" No. 4 8'-0" x 11'-6" No. 5 8'-0" x 11'-6" No. 6

Number of Shifting Beams } NONE. ✓
and/or Fore and Afters }

FOR AND ON BEHALF OF
GLELAND (SUCCESSORS) LIMITED.

FOR AND ON BEHALF OF
CLELAND (SUCCESSORS) LIMITED.
Builder's Signature L. F. Cragg
DIRECTOR

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.....No.....
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo.....No..... 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).

THE ENDS OF THIS SHIP HAVE BEEN ERECTED, AND REMAINDER OF VESSEL CAREFULLY CHECKED FROM STOCKPILE (DUPLICATE
SETS OF SISTER VESSEL ERECTED AND SATISFACTORY) UNDER SPECIAL SURVEY IN CONFORMITY WITH THE SOCIETY'S RULES
AND REGULATIONS AND SECRETARY'S LETTERS. THE SCANTLINGS AND ARRANGEMENTS OF THE VESSEL ARE AS GIVEN IN THE
PORT AND AS SHOWN AND AMENDED ON THE APPROVED PLANS NOW FORWARDED. ALL MODIFICATIONS OR ADDITIONS TO THE
ORIGINAL APPROVED ARRANGEMENTS MADE DURING ERECTION HAVE BEEN INDICATED ON THE PLANS AND HAVE BEEN
PROVED AS BEING IN ACCORDANCE WITH, OR BY STANDARDS EQUIVALENT TO THE RULE REQUIREMENTS.

THE PLANS OF MIDSHIP SECTION & PROFILE & DECKS SHOWING THE VESSEL AS ERECTED, NOW FORWARDED
REWITH HAVE BEEN CHECKED WITH THE APPROVED ARRANGEMENTS & FOUND IN ORDER.
MATERIAL & WORKMANSHIP ARE GOOD. THE VESSEL IS NOW DISMANTLED FOR SHIPMENT OVERSEAS.

NOTE - THE ANCHORS AND CABLES CERTIFICATES HAVE NOT BEEN ENDORSED AT THIS TIME. BUILDERS WILL FORWARD TO
INERS. ✓✓

The amount of Entry Fee.....	£	:	:	Fees applied for, <div style="border: 1px solid black; padding: 2px; display: inline-block;">21 MAR 1951</div>
Special Survey Fee.....	£	85	0 : 0	
(EXCLUDING COMPLETION).				
Travelling Expenses, if any	£	:	:	Received by me, 19.....

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed ~~+~~ 100A1 "BARGE"
"FOR COASTAL SERVICE BETWEEN CHITTAGONG & Dacca" (ON SATISFACTORY
COMPLETION).

State whether the Vessel has been ^{ERECTED}~~built~~ under Special Survey Yes

Certificate to be sent to Newcastle Date of issue

Committee's Minute X THU 12 APR

Character assigned *Defined*

10

from the

How the

11. 10. 2

Write fax

A horizontal strip of a sepia-toned photograph, likely a page from a photo album. It depicts a landscape with rolling hills or mountains in the background and a body of water in the foreground. The image is somewhat faded and has a grainy texture.

Signature John M. Taylor & R. H. Jordan
Surveyors to Lloyd's Register of Shipping.

1931

SECRET

[Handwritten signature]

8

Lloyd's Bank

Lloyd's Register
Lloyd's Register

Foundatio



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Lloyd's Register
Foundation

0129 3/2

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 IS A SISTER VESSEL TO CLELANDS YARD NO 157 NEWCASTLE REPORT NO 108109

THE FOLLOWING APPROVED PLANS RETAINED FOR DEALING WITH SISTER SHIPS.

- ① GENERAL ARRANGEMENT & STRUCTURAL DETAILS.
- ② MAIN DECK.
- ③ SHELL & FRAMING EXPANSION.
- ④ KEEL & CENTRE GIRDER.
- ⑤ BULKHEAD PLAN.
- ⑥ SKEG RUDDER & STERN.
- ⑦ W.T. CARGO HATCHES.
- ⑧ STEERING GEAR LEADS.
- ⑨ ANCHOR RECESSES & HANGSE PIPES.
- ⑩ DECKHOUSES & ACCESS HATCHES.
- ⑪ CREW FLAT.
- ⑫ BILGE SUCTION & SOUNDING ARRANGEMENTS.

THE FOLLOWING PLANS "AS ERECTED" ARE FORWARDED WITH REPORT.

- ① GENERAL ARRANGEMENT & STRUCTURAL DETAILS.
- ② MAIN DECK.
- ③ SHELL & FRAMING EXPANSION.

PARTICULARS OF ELECTRIC WELDING (if employed) KNUCKLE IN SHEER STRAKE FORE & AFT RUDDER

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

RADAR Equipment (State if fitted)

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	6 · 3 · 24	✓	AEG	4604	29 · 3 · 45
2nd "	6 · 3 · 25	✓	AEG	4407	12 · 3 · 45
3rd "	6 · 3 · 4	✓	AEG	4408	15 · 3 · 45
4th "	6 · 3 · 12	✓	AEG	4744	9 · 4 · 45

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. — Signal Letters — Extreme Breadth over Belting 30' - 4 3/4" Over-all Length 198' - 7"
(Circ. 1611) (Circ. 1703)

No. and Material of Decks ONE DECK (STEEL)

Parts of Bottom of Vessel coated with cement or approved composition NIL

Particulars of composition (if fitted) and of approval No

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,		
Double bottom, under Engines and Boilers,			After peak tank,		
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. 5918

Date 21.9.49

Dates of Surveys held while building

(1950) Mar 29 May 26 June 26 July 6 24 25 Aug 4 11 14 Sept 11 Oct 4 13 20 Nov 13
Dec 21 (1951) Jan 10 Feb 9 14 22 24 Mar 5 8 16

Total No. of Visits 24