

Rpt. 1  
RECEIVED

20 NOV 1950

IN D.O.

Date of completion of report

14 November 1950

Port of NEWCASTLE-on-TYNE

No. 107860

Survey held at

Wallsend-on-Tyne

Date First Survey

29/3/50

Last Survey

14 November 1950

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

Barge "Glelands Yard No 156" (Name unknown) Non-prop

State Type

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

"Barge" "is coastal service between Whitby and Dacca"

State Type of Erections

None

TONNAGE under Tonnage Deck ...

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

CLASS 100A1

State if with freeboard as condition of Class

FEET

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'-6"

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

Built at

Wallsend-on-Tyne

Discontinued

14 November 1950 Yard No. 156

Launched

Builders

Messrs Glelands / Successors / Ltd

Owners

India Gen. Haw. & Railway Co Ltd

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry

If surveyed while building, afloat, or in dry dock

White 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, E or F	6 x 3 x .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	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Bracket abaft 1/2 len. from stem	
" " Second 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side	
" " Third " " " "	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	
" " from 1/2 len. for'd. to 15% len. from Stem	6 x 3 x .27 ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	
" " in Peaks, Angle on E	6 x 3 x .27 ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 dia. 7 dia c.t.c. ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	
State if Frame Joggled	No ✓		INNER BOTTOM PLATING.	
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	
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	
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?	
Floors, Depth and thickness at mid-line in Holds	12 x 3 1/2 x 3 1/2 x .38 ✓		BEAMS.	
Height of Brackets at side above base line at toe of frame	✓		Uppermost Continuous Deck, amidships in Walls, Angle, E or F	6 x 3 x .27 ✓
Middle Line Keelson, on Floors, Angles, E or F	5 x 3 x .38 ✓		" " in way of Bridge, Angle, E or F	✓
" " " Through Plate or Inter-costal Plate	34 x .38 ✓		" " Spacing	Every 12 in ✓
" " " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, E or F	
" " " Flat Plate Keel Angles	3 x 3 x .38 ✓		" " Spacing	
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, E or F	
" " thickness of Inter-costal Plate	✓		" " Spacing	
" " Angles	✓		Fourth Deck, amidships, Angle, E or F	
DOUBLE BOTTOM.			" " Spacing	
Solid Floors, thickness and spacing			Poop Deck, Angle, E or F	
" " Are Frame and Reversed Frame joggled?			" " Spacing	
Bracket Floors, breadth and thickness at middle line			Bridge Deck, Angle, E or F	
" " breadth and thickness at margin plate			" " Spacing	
			Forecastle Deck, Angle, E or F	
			" " 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 <b>ONE (ON CENTRE LINE)</b>				Stringer Plate, breadth and thickness in way of Bridge .....			
" <b>AFT PEAK</b> in 'tween Decks, Size and Spacing <b>1@ 4x2 1/2 x 34 0A</b> ✓				Thickness of Plating abreast Deck openings in way of Wells .....			
" <b>FORE PEAK</b> " " <b>1@ 4 1/2 x 4 1/2 x 38 0A</b> ✓				Thickness of Plating abreast Deck openings in way of Bridge .....			
" in Holds <b>(3 in each hold)</b> <b>1 1/2 x 4 1/2 x 38 0A</b> ✓				Thickness of Plating within line of openings...			
" " " " " " ✓				If Sheathed, material and thickness .....			
Centre Line Bulkhead. Stiffeners and Spacing .....				Third Deck. Stringer Plate, breadth and thickness .....			
Plating, thickness of .....				If Plated, state thickness .....			
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells <b>60 x .38</b> ✓				Fourth Deck. Stringer Plate, breadth and thickness .....			
" " " " in way of Bridge ✓				If Plated, state thickness .....			
" Angle in Wells <b>3 x 3 x .38</b> ✓				Poop Deck. Stringer Plate, breadth and thickness .....			
Thickness of Plating abreast Deck openings in way of Wells <b>.38</b> ✓				Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of Bridge <b>.38</b> ✓				Bridge Deck. Stringer Plate, breadth and thickness .....			
Thickness of Plating within line of openings <b>.38</b> ✓				Plating, Sheathing, material and thickness ...			
If Sheathed, material and thickness <b>.38</b> ✓				Forecastle Deck. Stringer Plate, breadth and thickness .....			
Second Deck. Stringer Plate, breadth and thickness in Wells ✓				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 OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	60	.38	.38	.38		Double	3/4	3	Two	3/4	3	Lapped
" Dblg. (if any)	-	-	-	-		-	-	-	-	-	-	-
Bottom Plating, No. of Strakes <b>2</b>	60	.38	.38	.38		Double	3/4	3	Two	3/4	3	Lapped
Bilge Plating, No. of Strakes <b>2</b>	35	.38	.38	.38		Double	3/4	3	Two	3/4	3	Lapped
Side Plating, No. of Strakes	-	-	-	-		-	-	-	-	-	-	-
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—

Extending to Upper Deck (Sec. 3 c) **7** ✓

" Deck next below **7** ✓

As per Rule **7** *approved*

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second					
" " Third	FR 14	26-28	5x2 1/2 x 25 BA	27-28 1/2	-
" " Holds	FRS 28, 42	26-28	4x2 1/2 x 25 0A	27-28 1/2	-
" " (in Hold)	85	26-28	6x3 x 27 BA	24	-
AFTER PEAK	8	26-28	5x3 x 36 0A	24 5 30	-

# 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" Plate Deck
Speed of Vessel				Not to be topped 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 E.W. to angle 9 mainpiece
" double or single plate coupling, vertical or horizontal				Single

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) **Benetton Iron Co Ltd Dorman Long & Co Ltd**

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

107860

EQUIPMENT No.										LETTER	ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.			
69586	1st Bower	10	2	0				12	8	3	0	BRITANNIC CS. HEAD	R. SYKES & SON LTD	CRANLEY HEATH 27/7/50 H. PHILIPS
69585	2nd "	10	1	16				12	8	3	0	" " "	" " "	" " " "
69584	3rd "	10	1	7				12	6	2	7	" " "	" " "	" " " "
69565	4th Collective weight	10	0	24				12	4	1	14	" " "	" " "	" " 24/7/50 "
	Stream	41	1	19										

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.			
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	Length.	Cir.
82019	90	1 1/8	2 3/4	3 1/8	59-3-12				STADLINK	R. SYKES & SON	CRANLEY HEATH 17/10/50	6x12 TOWLINE	75	2 3/4	15.2	75	2 3/4		
82020	90	1 1/8	"	"	59-3-12				" "	" "	20 20 20	HAWSERS & WARPS }	90	6	14.6	90	6		
82039	90	1 1/8	"	"	60-0-12				" "	" "	20 20 5/9/50		"						
Stream Cables or Steel Wire }	60	3			186			60	3	6x12	R. HODD HARBIE	MAKERS 17/3/50	"						

Steering Gear, Type (Power or hand) by J. Reid & Son (Paisley) Ltd Alternative Means of Steering Hand Yills

Steering Chains (Size and Test) 5/8 dia. test 4 5/8 tons 18 HCH 58425 17/10/50 Hand has bafstam y. Reid & Son (Paisley) Ltd Windlass Boats 1 to supply by Owners

Holds, thickness and material None Cargo Battens, thickness, material and spacing None

Hatchways.-(Upper Deck) Steel plates and angles Thickness of Hatches (Steel) .32"

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

of Shifting Beams } None.

Fore and Afters }

FOR AND ON BEHALF OF  
MIDLANDS (SUCCESSORS) LIMITED.  
*[Signature]*  
SECRETARY

Builder's Signature

RAL 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).

ends of this ship have been erected, and remainder of vessel carefully checked from stockpile (duplicate parts sister vessel erected and satisfactory) under special survey in conformity with the Society's Rules and Regulations and surveyor's letters. The arrangements and arrangements of the ship are as given in the report and as shown and amended the approved plans now forwarded. All modifications or additions to the original approved arrangements during erection have been indicated on the plans and have been approved as being in accordance with, by standards equivalent to, the Rule requirements.

The plans of Midship section & Profile & Deck showing the ship as erected, now forwarded herewith, have been checked with the approved arrangements and found in order.

The materials and workmanship are good. The vessel is now dismantled for shipment overseas.

\* Note:- The anchor & cable certificates have not been endorsed at this time. Builders will forward to Owners.

The amount of Entry Fee..... £ : : Fees applied for, 15 NOV 1950 (Special notations, where part of class, to be stated.)

Special Survey Fee..... £ 85 - - - Received by me, 19

(Excluding completion)

Travelling Expenses, if any ..... £ : : erected

State whether the Vessel has been built under Special Survey Yes

Certificate to be sent to Nwc. Date of issue 8/9/52.

Signature R. H. Y. Jordan. Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned Deferred for Completion

FRI. 1 DEC 1950

See Cal. Rpt 8. N° 15140.

White Cal.

J.H.E.

008386-008392-0015 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 is a sister vessel to Belanda, Yard No 155 Newcastle Report No 107735  
the following afforded plans, retained for dealing with sister ships.

- ① General Arrangement & Structural Details
- ② Main Deck
- ③ Shell & Framing Expansion
- ④ Keel & Centre Guides
- ⑤ Bulkhead Plan
- ⑥ Hog, Rydder & Stem
- ⑦ W. J. Cargo Hatches
- ⑧ Steering Gear Leads
- ⑨ Anchor Recesses & Hawsepipes
- ⑩ Deck Houses & Access Hatches
- ⑪ Crews Flat
- ⑫ Bridge Section and Bounding Arrangements.

The following plans "As Erected" are forwarded with report.

- ① General Arrangement & Structural Details
- ② Main Deck
- ③ Shell & Framing Expansion.

the invoices enclosed herewith.

PARTICULARS OF ELECTRIC WELDING (if employed)

Knuckle of sheerstrake (P&S) forward & aft. Rudders.

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	6-3-18	✓	AE G	4743	9/4/45
2nd "	6-3-18	✓	AE G	4394	12/3/45
3rd "	6-3-18	✓	AE G	4317	5/3/45
4TH "	6-3-8	✓	AE G	4704	4/4/45

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     

Particulars of composition (if fitted) and of approval     

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. 5916

Date 21/9/49

Dates of Surveys held while building

11950 MAR 29, MAY 26, JUNE 26, JULY 6, 24, 25, AUG 2, 11, 17, SEPT 11, OCT 2, 4, 13, 17, 27, 30, NOV 1, 6, 10

Total No. of Visits 19