

RECEIVED

8 FEB 1944

IN D.O.

STEEL STEAMER OR MOTORSHIP.

28 FEB 1944

Received at London Office.

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

Port of **NEWCASTLE-ON-TYNE**

No. **101840**

Survey held at **Walker-on-Tyne**

Date First Survey **7th September 1942**

Last Survey **14th January 1944**

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

Twin Screw Steamer "UMTATA"

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

Full Scantling

State Type of Erections

Poop, Bridge and Forecastle

TONNAGE under Tonnage Deck ...

6247.13

CLASS **+100A.1.**

State if with freeboard as condition of Class

no

Built at **Walker-on-Tyne**

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

445'-0"

Launched **1st September 1943** Yard No. **1740**

Breadth (greatest moulded)

59'-0"

Builders **Swan, Hunter, Wigham Richardson Ltd.**

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

36'-6"

Owners **Bullard King & Co. Ltd.**

s Tonnage

7288.37

1st Longitudinal Number (L x D)

16242

ster Tonnage

3799.47

2nd Numeral L x (B + D)

42497

Managers

(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

FEET

Residence

th

45.2.8

Port of Registry **London**

dth

59.2.5

If surveyed while building, afloat, & in dry dock

h

33.6

Draught Moulded

28'-6"

Yes

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	31	✓	Bracket Floors, Frame	B.A. 8 3/2 .44	✓ 54 B.S.
" " from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	B.A. 8 3 .35	✓ 45 B.S.
" " in peaks	24	✓	" " Vertical Struts	B.A. 9 3 1/2 x 3 1/2	✓ 45 B.S.
SIDE FRAMING.			Centre Girder, depth and thickness amidships	46 1/2 x .55	✓ 63 B.S.
Frame Amidships, Angle, E or C	12 3 1/2 .70	✓	" " top Angles	3 1/2 3 1/2 .49	✓
" " Extends up to	main Deck	✓	" " bottom Angles	5 5 .55	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	one .39	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	43 3/4 x .55	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 .47	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	9 3 1/2 .46	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	no bidge	
" " Second 'tween Decks, Angle, E or C	9 3 1/2 .46	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	Continuous .43	✓
" " from 1/2 len. for'd. to 15% len. from Stem	10 3 1/2 .44	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	no bidge	✓
" " in Peaks, Angle, E or C	9 3 1/2 .45	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	73 3/4 x .48	✓ 58 B.S.
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 5 3/4	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	yes	✓	Breadth and thickness of Middle Line Strake	72 x .48 - .45	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes	✓	Thickness of remainder in Holds	145 - .41	✓
Are the scantlings and arrangements in way of the Bottom Forward 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?	yes	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	9 3 1/2 .39	✓ 2 Beams
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or C	9 3 1/2 .39	✓
Middle Line Keelson, on Floors, Angles, E or C			" " Spacing	every frame	✓
" " Through Plate or Inter-costal Plate			Second Deck, amidships, Angle, E or C	9 3 1/2 .50	✓ 2 Beams
" " Foundation Plate on Floors			" " Spacing	every frame	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or C	12 3 1/2 .54	✓
Side Keelsons, No. each side			" " Spacing	every frame	✓
" " thickness of Inter-costal Plate			THIRD DECK IN WAY OF NO. 1 HOLD	12 3 1/2 .48	✓
" " Angles			Fourth Deck, amidships, Angle, E or C	7 3 .34	✓
DOUBLE BOTTOM.			" " Spacing	every frame	✓
Solid Floors, thickness and spacing	43-62 - .53 B.S.	✓	Bridge Deck, Angle, E or C	9 3 1/2 .37	✓
" " Are Frame and Reversed Frame joggled?	yes	✓	" " Spacing	every frame	✓
Bracket Floors, breadth and thickness at middle line	2-11 x .43 - .53 B.S.	✓	Forecastle Deck, Angle, E or C	8 3 .37	✓
" " breadth and thickness at margin plate	2-11 x .43 - .53 B.S.	✓	" " Spacing	every frame	✓

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	2 Rows			Stringer Plate, breadth and thickness in way of Bridge	66 x 50 - 38 x 82		
" in 'tween Decks, Size and Spacing	widely			Thickness of Plating abreast Deck openings in way of Wells	39	✓	166 on plan
" " " " "	spaced			Thickness of Plating abreast Deck openings in way of Bridge	34 - 40	✓	over all fuel.
" in Holds " " "	as			Thickness of Plating within line of openings	34	✓	
" " " " "	approved		✓	If Sheathed, material and thickness	Base steel	✓	
Centre Line Bulkhead.				Third Deck. In way of No 3 hold			
Stiffeners and Spacing	✓			Stringer Plate, breadth and thickness	✓		
Plating, thickness of	✓			If Plated, state thickness	34	✓	30 on plan
STRINGERS AND DECKS.				THIRD			
Uppermost Continuous Deck.				Fourth Deck. In way of No 1 hold			
Stringer Plate, breadth and thickness in Wells	76 1/2 x 82	✓		Stringer Plate, breadth and thickness	✓		
" " " " in way of Bridge	76 1/2 x 43 - 1/5 at break	✓		If Plated, state thickness	34	✓	30 on plan
" Angle in Wells	6 6 85	✓		Poop Deck.			
Thickness of Plating abreast Deck openings in way of Wells	68 - 36	✓		Stringer Plate, breadth and thickness	37 1/2 x 37	✓	
Thickness of Plating abreast Deck openings in way of Bridge	39	✓		Plating, Sheathing, material and thickness ...	26 Sheathed 5 x 2 1/2 Teak	✓	
Thickness of Plating within line of openings	43	✓		Bridge Deck.			
If Sheathed, material and thickness	Base steel Comp ^d in accordance with G.C. spec plan	✓		Stringer Plate, breadth and thickness	74 1/4 x 53	✓	
Second Deck.				Plating, Sheathing, material and thickness ...	41 x 46 when exposed. Compo ^d in accordance	✓	
Stringer Plate, breadth and thickness in Wells	82 x 48	✓		Forecastle Deck.			
				Stringer Plate, breadth and thickness	36 x 38	✓	
				Plating, Sheathing, material and thickness ...	36 base steel	✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
Flat Plate Keel.....	53	88	80	80		2R	1"	4"				
" Dblg. (if any)												
Bottom Plating, No. of Strakes 4	B C E	70	77	50	For end thickness of bottom & side shell see plan of shell expansion & letter 114.3.44	2R	7/8"	3 1/2"				
Bilge Plating, No. of Strakes 1	F	70	48	48		2R	7/8"	3 1/2"				
Side Plating, No. of Strakes 4	G H K	68	48	48		2R	7/8"	3 1/2"				
Upper Deck, Sheer-strake in Wells.....	J	93	48	48		2R	7/8"	3 1/2"				
AND STRAKE BELOW												
Upper Deck, Sheer-strake in Bridge ...	J	68 - 75 x 1.25	at break of bridge.			2R	7/8"	3 1/2"				
AND STRAKE BELOW												
Strake below Sheer-strake in Wells						2R	7/8"	3 1/2"				
Strake below Sheer-strake in Bridge ...						2R	7/8"	3 1/2"				
Poop Side Plating.....				40		1R	3/4"	3 1/2 x 3				
Bridge Side Plating.....		62				2R	6" x 5 1/4"	1" x 4"				
Forecastle Side Plating			42			1R	3/4"	3				

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)..... *Six* / *seven*

„ Deck next below..... *One* / *See plan*

As per Rule.....

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓	✓	✓	✓
STEM	Rolled bar	10 1/2 x 2 3/4	✓	✓
STERN FRAME	{ Propeller Post ✓ { Rudder ✓	1 1/2" mild steel	Colvilles Constructional Co. Ltd.	✓
Speed of Vessel	15 knots			
RUDDER—Type	Unbalanced	✓		
" A x D	Forged steel	12 7/8 dia.	She Wolverham Steel Co. Ltd.	
" Diam. of head	as approved	✓		
" Mainpiece at top pintle	as approved	✓		
" " heel	as approved	✓		
" how constructed	Cast steel frame	✓		
" double or single plate	50 double	✓		
" coupling, vertical or	Horizontal	✓		
" horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
140 frame						
MIDSHIP	BULKH'D, Upper 'tween decks	26	4 x 2 1/2 x 30	30	I	
"	" Second "					
"	" Third "					
"	" Holds	44, 38, 35, 32, 29	6 x 3 x 40 O.A.		I	
"	"	44, 39, 30	4 x 8 x 16 g.l.v. 1 Bar	30	I	
COLLISION			8 x 3 x 35 B.A.			
"	(in Hold)	48, 35, 33, 31	9 x 3 x 36 "	24 x 21		
AFTER PEAK			7 x 3 x 40 B.A.	24		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth* ✓
Consett Iron Co., South Durham Steel Co., Dorman Long Co., Lancashire Steel Co., Skinningrove Iron Co.,
Cargo Fleet Iron Co., Appleby Frodingham Steel Co.,
 Has the Steel been tested as required by the Rules? *Yes* ✓

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.)

The approved plans as per attached list and the forging reports are forwarded with this report.

Note:- The frames in holds are prepared for cargo battens. These battens, it is stated by the owner's representative, will be procured at the first available opportunity.

Note:- The solid floors at frames nos. 119, 121 & 123 forward have the frames and reverse frames connected by the forged welding process, see approval letter C.S.S. 23/11/42. This method was also approved by the owner.

⊗ Tanks in way of tunnels
No 7 DB tank (p.s.) 62t }
Between tunnels aft 64t } below for 22 & 40
At sides of tunnel 46t }
No 5 DB tank (p.s.) 48t } below for 64 & 42
Between tunnels fwd 24t }
250t

PARTICULARS OF ELECTRIC WELDING (if employed) shell plating butts throughout. Double bottom butts and seams throughout. all deck plating butts and seams throughout. W.T. and O.T. Bulkhead plating and stiffeners. Details of hatchways, ventilators, coamings etc.

Electric Welding carried out in accordance with the Rules and approved electrodes used.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Cruiser stern. Lloyd's A.R.P. E.S.D. D.F.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.
1st Bower. W¹ 44-2-20. Init. J.H.S. No. 5053. Date 28-7-42.
2nd " 45-1-18. " J.H.S. " 5329. " 11-11-42.
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 57.83 ft., R.Q.D. ft., Bridge 100.33 ft., Forecastle 44.0 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.
Official No. 169720 Signal Letters G.D.Q.F. Extreme Breadth over Belting 59' 2 3/4" (Circ. 1611) Over-all Length 470' 0" (Circ. 1703)
No. and Material of Decks 2 D^{ns} (Stl). Part 3rd Dⁿ (Stl). in way has 1 & 3 holds.
Parts of Bottom of Vessel coated with cement or approved composition For & after peak tanks & feed tank under engines, Bilge for & aft cement washed.
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,	82.66 (129.16)	394 (504)	Fore peak tank,	25.66	69 F.W. 71
Double bottom, under Engines and Boilers, + 2 Coff.	5.16	193 S.W.	After peak tank,	26.0	233 F.W. 239
Double bottom, * under Engines only, FEED	38.75	(180 F.W.)	Deep tank, aft,	20.66	734
Double bottom, # under Boilers only,	46.50	230.	Deep tank, forward, Tanks i.w. of tunnels (see above)		250
Double bottom, forward,	148.25	408	Other tanks, if fitted, { O.F. Bunker Stand. PORT	18.08 18.08	184 S.W. 170 S.W.
Total length (if continuous) and Capacity	2.58 323.90	1225	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 5674
Date 7-12-42
Dates of Surveys held while building
1942 SEPT. 7. 15. 16. 25. OCT. 17. 27. NOV. 5. 9. 16. 19. 20. 25. 30. DEC. 1. 4. 7. 8. 10. 17. 28. 31. 1943 JAN. 12. 13. 19. 31. 23. 26. 27. FEB. 1. 4. 5. 9. FEB. 11. 22. 24. MAR. 4. 12. 16. 25. 31. APR. 7. 9. 13. 19. 28. 30. MAY. 5. 12. 13. 25. JUNE 9. JULY 1. 2. 5. 15. 19. 20. 21. 24. 26. AUG. 6. 8. 11. 16. 18. 19. 20. 23. 25. 26. 27. 30. 31. SEPT. 1. 15. 23. 28. OCT. 1. 9. 11. 15. 18. 26. 29. NOV. 8. 11. 12. 15. 22. 26. 26. 27. DEC. 6. 8. 10. 14. 17. 20. 22. 23. 24. 31. 1944 JAN. 3. 5. 6. 14.

Total No. of Visits 110