

RECEIVED

25 MAR 1946

STEEL ~~STEAMER~~ MOTORSHIP.

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 *20.3.1946*Port of **NEWCASTLE-ON-TYNE**No. *103564*Survey held at *Walker on Tyne*Date First Survey *(1943) Kelly 1st*Last Survey *February 26th 1946*

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

**M.V. "BRITISH CAUTION"**

Machinery aft.

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 ...

*7461.83*

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

Total

Gross Tonnage

*8551.84*

Register Tonnage

*4923.25*CLASS *+100A.1. Carrying Petroleum in Bulk.*State if with freeboard as condition of Class *no*

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

*462'2 1/2"*

Breadth (greatest moulded)

*B 61'9"*

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

*D 34'0 1/2"*

1st Longitudinal Number (L x D)

*15-760*

2nd Numeral L x (B + D)

*44350*

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

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

*13.63*

Do. Long Bridge to top of keel

Draught Moulded

*27'5"*Built at *Walker on Tyne*Launched *21st September 1945* Yard No. *1764*Builders *Swan Hunter Wigham Richardson*Owners *British Tanker 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

*yes*

## REGISTERED DIMENSIONS.

FEET

*469.1**61.9**33.95*

## 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	<i>31 1/4</i> ✓		Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	<i>27</i> ✓		" " Reversed Frame	✓	
" " in peaks	<i>24</i> ✓		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>68 3/4 x 54 - 46</i> ✓	
Frame Amidships, Angle, <i>E or C</i>	<i>10 3 1/2 40</i> ✓		" " top Angles	<i>3 1/2 3 1/2 48 44</i> ✓	
" " Extends up to	<i>upper deck</i> ✓		" " bottom Angles	<i>5 5 44 50</i> ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	<i>2-62 x 46</i> ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	<i>10</i> ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, <i>C or C</i>	✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	<i>no ridge</i> ✓	
" " Second 'tween Decks, Angle, <i>C or C</i>	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Third " " " "			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem	<i>10 3 1/2 40</i> ✓	<i>B.A.</i>	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle or <i>C</i>	<i>8 3 1/2 46</i> ✓				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 - 4 7/8</i> ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>yes</i> ✓		Breadth and thickness of Middle Line Strake	<i>60 x 70 x 52</i> ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes</i> ✓		Thickness of remainder in Holds	<i>1.25 under engine</i> ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes</i> ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Tankers and Boiler Room?	<i>54 x 52</i> ✓	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, <i>C or C</i>	<i>See Rpt. 1</i> *	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, <i>C or C</i>	✓	
Middle Line Keelson, on Floors, Angles, <i>C or C</i>			Spacing	✓	
" " Through Plate or Inter-costal Plate			Second Deck, amidships, Angle, <i>C or C</i>	✓	
" " Foundation Plate on Floors			Spacing	✓	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, <i>C or C</i>	✓	
Side Keelsons, No. each side			Spacing	✓	
" " thickness of Inter-costal Plate			Fourth Deck, amidships, Angle, <i>C or C</i>	✓	
" " Angles			Spacing	✓	
DOUBLE BOTTOM. <i>machinery space only</i>			Poop Deck, Angle, <i>E or C</i>	<i>8 3 35</i> ✓	
Solid Floors, thickness and spacing	<i>46 62 50 42</i> ✓		Spacing	<i>Every frame</i> ✓	
" " Are Frame and Reversed Frame joggled?	<i>yes</i> ✓		Bridge Deck, Angle, <i>E or C</i>	<i>7 3 33</i> ✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	<i>Every frame</i> ✓	
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, <i>E or C</i>	<i>8 3 35</i> ✓	
			Spacing	<i>Every frame</i> ✓	



## 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.
<b>PILLARS, No. of Rows</b> .....		✓		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.....		✓	
<b>2</b> <del>Centre Line</del> Bulkhead 5 Stiffeners and Spacing .....	Spaced 3 1/4"	10	3 1/2 40 B.A. ✓	<b>Third Deck.</b> Stringer Plate, breadth and thickness.....		✓	
Plating, thickness of .....		5 1/8 40.	✓	If Plated, state thickness .....		✓	
<b>STRINGERS AND DECKS.</b> <b>Uppermost Continuous Deck.</b> Stringer Plate, breadth and thickness in Wells		72 x 72	✓	<b>Fourth Deck.</b> Stringer Plate, breadth and thickness.....		✓	
„ „ „ „ in way of Bridge		72 x 88 x 72.	✓	If Plated, state thickness.....		✓	
„ Angle in Wells .....		7 7 72	✓	<b>Poop Deck.</b> Stringer Plate, breadth and thickness.....		38 x 38.	✓
Thickness of Plating abreast Deck openings in way of Wells .....	} Centre stake 70." ✓			Plating, Sheathing, material and thickness .....		30 x 28 Bare steel. Composition in accommodation. ✓	
Thickness of Plating abreast Deck openings in way of Bridge.....		2 1/2 x " 70." ✓		<b>Bridge Deck.</b> Stringer Plate, breadth and thickness.....		64" x 44" as letter 9.4.46 32 Bare steel. Composition in accommodation.	
Thickness of Plating within line of openings...		Hatch " 58." ✓		Plating, Sheathing, material and thickness .....		32 Bare steel. Composition in accommodation. ✓	
If Sheathed, material and thickness.....		Bare steel. ✓		<b>Forecastle Deck.</b> Stringer Plate, breadth and thickness.....		36 x 38. ✓	
<b>Second Deck.</b> Stringer Plate, breadth and thickness in Wells		✓		Plating, Sheathing, material and thickness...		36 Bare steel. ✓	

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>ho</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.....	<i>53</i>	<i>.99</i>	<i>.82</i>	<i>.82</i>		<i>2R.</i>	<i>1</i>	<i>4</i>				
„ Dblg. (if any) <i>✓</i>						<i>✓</i>	<i>✓</i>	<i>✓</i>				
Bottom Plating, No. of Strakes ..... <i>4</i> .....		<i>Brc .65</i>				<i>2R.</i>	<i>7/8</i>	<i>3 1/2</i>				
Bilge Plating, No. of Strakes ..... <i>1</i> .....		<i>.65</i>	<i>.56</i>	<i>.62</i>		<i>2R.</i>	<i>7/8</i>	<i>3 1/2</i>				
Side Plating, No. of Strakes ..... <i>3</i> .....		<i>.64</i>	<i>.48</i>	<i>.48</i>		<i>2R.</i>	<i>7/8</i>	<i>3 1/2</i>	<i>All Electrically Welded. ✓</i>			
Upper Deck, Sheer- strake in Wells.....	<i>63</i>	<i>.98</i>	<i>.48</i>	<i>.48</i>		<i>✓</i>	<i>✓</i>					
Upper Deck, Sheer- strake in Bridge ...	<i>63</i>	<i>1.18 + .98</i>				<i>✓</i>	<i>✓</i>					
Strake below Sheer- strake in Wells.....	<i>8 1/2</i>	<i>.82</i>	<i>.48</i>	<i>.48</i>		<i>2R.</i>	<i>1</i>	<i>4</i>				
Strake below Sheer- strake in Bridge ...	<i>8 1/2</i>	<i>.82</i>				<i>2R.</i>	<i>1 1/8</i>	<i>4 1/2</i>				
Poop Side Plating.....				<i>.50 or .40</i>		<i>1R.</i>	<i>7/8</i>	<i>3 3/8</i>				
Bridge Side Plating.....		<i>.44</i>				<i>2R.</i>	<i>3/4</i>	<i>3</i>				
Forecastle Side Plating			<i>.44</i>			<i>1R.</i>	<i>3/4</i>	<i>3</i>				

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 16 ✓

“ Deck next below ✓

As per Rule ✓

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar		✓		
STEM		Roll'd Bar 10½" x 2¾"	✓	
STERN FRAME	{ Propeller Post { Rudder	{ Fabricated as Colville's { approved.	✓ ✓	✓ ✓
Speed of Vessel	not to exceed 12 knots. ✓			
RUDDER—Type	as approved. ✓			
" A x D.	804 ✓			
" Diam. of head	Forging 13¾" Walsingham Steel Co. Ltd. ✓			
" Mainpiece at top pintle	} as approved. ✓			
" " heel				
" how constructed	} ✓			
" double or single plate coupling, vertical or horizontal	Double ✓ Horizontal ✓			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks	✓				
"	Second	✓				
"	Third	✓				
"	Holds	✓				
"	11" x 3 1/2" x 5 1/8" BA See letter 9.4.46 (in Hold)	✓				
COLLISION		✓				
AFTER PEAK		✓				

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., Appleby Rotherham Steel Co., Borman Long & Co., South Durham Steel & Iron Co., Cargo Fleet, Raine & Co., Skinningrove Iron Co., Lancashire Steel Co., Colvilles Ltd.*  
Has the Steel been tested as required by the Rules? *Yes.*



# "BRITISH CAUTION."

## PARTICULARS OF LONGITUDINAL FRAMING.

NEWCASTLE-ON-TYNE, No.

103564

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.							
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.			
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Inches.	Number.	Diameter.	Inches.	
Framing of L, L or C .....		<u>Stringers in oil tanks.</u>																			
Frames in Bridge 'tween Decks ...		<u>Shell</u>																			
Frames from Uppermost Continuous Deck No. 1		<u>Longitudinal Bulkheads.</u>																			
	1	Upper stringer plate. 30" x 42"			Upper stringer plate. 30" x 42"			Upper stringer plate. 30" x 42"			Upper stringer plate. 30" x 42"										
	2	" " " face. - 3" flange.			" " " face. - 3" flange.			" " " face. - 3" flange.			" " " face. - 3" flange.										
	3	Lower " " 30" x 42"			Lower " " 30" x 42"			Lower " " 30" x 42"			Lower " " 30" x 42"										
	4	" " " face. - 3" flange.			" " " face. - 3" flange.			" " " face. - 3" flange.			" " " face. - 3" flange.										
	5																				
	6	<u>Trans. bulkheads - Wing tanks.</u>			<u>Trans. bulkheads - Centre tanks.</u>			<u>Trans. bulkheads - Centre tanks.</u>			<u>Trans. bulkheads - Centre tanks.</u>										
	7	Upper stringer plate. 26" x 40"			Upper stringer plate. 30" x 40"			Upper stringer plate. 30" x 40"			Upper stringer plate. 30" x 40"										
	8	" " " face. 3" flange			" " " face. 3" flange			" " " face. 4" flange.			" " " face. 4" flange.										
	9	Lower " " 31 1/4" x 40"			Lower " " 36" x 40"			Lower " " 36" x 40"			Lower " " 36" x 40"										
	10	" " " face. 3" flange.			" " " face. 4" flange.			" " " face. 4" flange.			" " " face. 4" flange.										
	11																				
	12																				
	13	17" x 4" x 4" 48" / 68"																			
	14	Channels																			
	15																				
	16																				
ing of longitudinal frames		Amidships			31 3/4" Wing tanks.			30" Centre tanks.						7/8" 5 1/4"		7/8" 3 1/8"		16			
e. ns		Tank Top Longitudinals																			
r C		Bottom																			
g of Longitudinals		Amidships																			
		At Ends...																			
Transverses.																					
ridge		Depth and Thickness			<u>Stirrs in Wing tanks at</u>			<u>Transverses.</u>													
n Decks		Face Angles			<u>at upper stringer.</u>			<u>at lower stringer.</u>													
		Lugs to Shell*			Channel			Channel													
In 'tween Decks.		Depth and Thickness			9 x 3 1/2 x 3 1/2 x 48" / 54"			10 x 3 1/2 x 3 1/2 x 56"													
		Face Angles			angle - 6 x 3 1/2 x 48"			angle - 6 x 3 1/2 x 56"													
		Lugs to Shell*			Wing tanks. 36" x 44"			Centre tanks. 54" x 48"													
In Hold.		Depth and Thickness			3 1/2" 3 1/2" 44" Single			10 x 3 1/2 x 66 B.A. double.													
		Face Angles			6" 6" 44" joggled.			6" 6" 48" joggled.													
		Lugs to Shell*			44" = 5" flange.			48" = 5" flange.													
		Back Bars			10'5" frames joggled.																
		Brackets																			
Spacing of Transverse Frames		State if joggled or liners.																			
Longitudinal Beams of L, L or E		Bridge Deck			Wing Tanks. 8" 3 1/2" 47"			Centre Tanks. 8" 3 1/2" 44"													
		Upper																			
		Second																			
		Third																			

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.



002442-002448-0128 3/3



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 sister to "BRITISH VIRTUE", Newcastle on Tyne report no. 102954.  
The approved plans sent with the above first entry report are in the London office.  
one approved plan:- Experimental oil tight hatch forwarded with this report. ✓

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of keel and shell plating; Butts of upper deck plating; Seams and butts of fore-castle, bridge, and poop decks; Seams and butts of engine room tank top; Seams and butts of 2<sup>nd</sup> deck plating in way of forward hold; butts and seams of oil tight flat forward; details of stricture generally.

The electrodes used and methods employed are in accordance with the Rules. ✓

SPECIAL NOTATIONS :—Either as part of the vessel's class or for record in the Register Book. Cruiser stern. Machinery aft. Longitudinal framing at bottom and deck. Lloyd's A.V.P. E.S.D. D.F. Part E. Welded as above.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	W <sup>E</sup> . 44-2-0; Int. A.E.G.; No. of Cert. 7142; Date 2/2/45.
	2nd "	" 46-1-0; " A.E.G.; " 6306; " 15/8/44.
	3rd "	" 46-3-0; " A.E.G.; " 6316; " 15/8/44.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 101'0" ft., R.Q.D. ft., Bridge 48'0" ft., Fore-castle 49'0" ft.  
(in feet and tenths). When the Poop or Fore-castle are joined to the B.D., this should be distinctly stated  
Official No. 180823. Signal Letters. Extreme Breadth over Belting 62'0" (Circ. 1611) Over-all Length 486'3" (Circ. 1703)  
No. and Material of Decks 1<sup>st</sup> DECK. 2<sup>nd</sup> DECK. clear of oil tanks.  
Parts of Bottom of Vessel coated with cement or approved composition Bottoms of after peak, fore peak, and engine room after well cemented, both peaks and fresh water tanks one coat of cement wash.  
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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	✓		Fore peak tank,	24-2 1/2	149. ✓
Double bottom, under Engines and Boilers,	✓		After peak tank,	16'0"	82. ✓
Double bottom, if under Engines only,	75' 27'6"	35. ✓	Deep tank, aft,	✓	
Double bottom, if under Boilers only,	✓		Deep tank, forward,	3'6"	313. ✓
Double bottom, forward,	✓		Other tanks, if fitted,	3'6"	186
Total length (if continuous) and Capacity	✓		(If necessary furnish further information by sketch.)	✓	175

Order for Special Survey No. 5688  
Date 24/3/43

Dates of Surveys held while building  
(1943) Feb. 1, 4 (1944) Mar. 14, Apr. 11, June 29, July 28, Aug. 29, 31, Sept. 6, 11, 14, 18, 21, 25, 28, Oct. 6, 10, 12, 16, 24, 27, Nov. 14, Dec. 7, 13, 15, 22, (1945) Jan. 3, 17, 30, Feb. 6, 12, 14, 22, Mar. 1, 6, 9, 22, 26, 27, Apr. 16, 23, 30, May 16, June 1, 22, July 20, 31, Aug. 1, 8, 9, 13, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31, Sept. 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 17, 21, Oct. 19, Nov. 2, Dec. 12, 21 (1946) Jan. 7, 24, Feb. 6, 8, 13, 14, 19, 26.

Total No. of Visits 86