

## STEEL STEAMER or MOTORSHIP.

Received at London Office 12 NOV 1935

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

11<sup>th</sup> November 1935 Port of **NEWCASTLE-ON-TYNE**No. **9314 2**

Survey held at

*Walker-on-Tyne*

Date First Survey

*7<sup>th</sup> Feb/35*

Last Survey

*6<sup>th</sup> Nov*

1935

On the

*Twin Screw "UMTATA"**Machinery amidships*

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

*Full Scantling with freeboard*

State Type of Erections

*Poop Bridge Fore castle*

TONNAGE under Tonnage Deck

*6642.68*

CLASS + 100 A-1

State if with freeboard as condition of Class

*Yes*Built at *Walker-on-Tyne*Launched *30<sup>th</sup> Aug 1935* Yard No. *1480*Builders *Swan Hunter & Wigham Richardson Ltd.*Owners *Messrs Bullard King & 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

*Building, afloat & in dry dock*

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

Total

Gross Tonnage

*8136.74*

Register Tonnage

*5060.81*

## REGISTERED DIMENSIONS.

FEET.

Length

*451.4*

Breadth

*61.2*

Depth

*32.1*

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

L *445.0*

Breadth (greatest moulded)

B *61.0*

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

D *35.5*

1st Longitudinal Number (L x D)

*140.7*

2nd Numeral L x (B + D)

*41162*

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

*22.68*

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

*12.50*

Do. Long Bridge to top of keel

*10.10*

Draught Moulded

*25.4 1/4*

## 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	32"	✓	Bracket Floors, Frame	9 3 1/2 .44	✓
" " from 1/2 length to Collision bulkhead	27"	✓	" " Reversed Frame	9 3 1/2 .38	✓
" " in peaks	24"	✓	" " Vertical Struts	9 3 1/2 .38	✓
IDE FRAMING.			Centre Girder, depth and thickness amidships	44 3/4 x .58	✓
Frame Amidships, Angle, E or F	12 3 1/2 .54	✓	" " top Angles	3 1/2 3 1/2 .54	✓
" " from and when 3 1/2" deck	9 3 1/2 .40	✓	" " bottom Angles	5 5 .62	✓
" " Extends up to	2nd deck	✓	Side Girders, No. each side and thickness	Two .42	✓
Reversed Frame Amidships, Angle	✓	✓	Margin Plate depth (excl. of flange) and thickness	39" x .55	✓
" " Extends up to	✓	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	5 5 .46	✓
Depth of Framing Girder	12" + 9"	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 5 .46	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	8 3 1/2 .36 in way of Bridge Poop + fwd of 3 1/2" L	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	.43 Every.	✓
" " Second 'tween Decks, Angle, E or F	7 3 1/2 .36 Clear of Bridge with 4 1/2 x 3 x .60 angle reverse on all frames (4" angle appld)	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem	.43 Every.	✓
" " Second 'tween Third " " N° 3 Hold	9 3 1/2 .40	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	69 3/4 x .49	✓
Framing in Peaks, Angle or F	12 3 1/2 .54	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	8 3 1/2 .375	✓	Breadth and thickness of Middle Line Strake	53 1/2 x .52	✓
State if Frame Joggled	Yes	✓	Thickness of remainder in Holds	.45 + in excess .08 under hatchways	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Side stringers as approved + frames with 4 1/2 x 3 x .40 angle 4" appld. reverse S.	✓	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	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	additional 1/2 height intercostal depth within bottom frame Bottom shell plating in excess of 1/2" in excess of 1/2" plane	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	9 3 1/2 .38	✓
Floors, Depth and thickness at mid-line in Holds	✓	✓	" " in way of Bridge, Angle, E or F	9 3 1/2 .38	✓
Height of Brackets at side above base line at toe of frame	✓	✓	Spacing	Every	✓
Middle Line Keelson, on Floors, Angles, E or F	✓	✓	Second Deck, amidships, Angle, E or F	9 3 1/2 .53	✓
" " Through Plate or Intercostal Plate	✓	✓	Spacing	Every	✓
" " Foundation Plate on Floors	✓	✓	Third Deck, amidships, Angle, E or F	10 3 1/2 .42	✓
" " Flat Plate Keel Angles	✓	✓	Spacing	Every	✓
Side Keelsons, No. each side	✓	✓	THIRD N° 3 Hold Fourth Deck, amidships, Angle, E or F	9 3 1/2 .38	✓
" " thickness of Intercostal Plate	✓	✓	Spacing	Every	✓
" " Angles	✓	✓	Poop Deck, Angle, E or F	8 3 .36	✓
DOUBLE BOTTOM.			Spacing	Every	✓
Solid Floors, thickness and spacing	.43 Every 2nd Frame Yes Rev frame No	✓	Bridge Deck, Angle, E or F	9 3 1/2 .40	✓
" " Are Frame and Reversed Frame joggled?	✓	✓	Spacing	Every	✓
Bracket Floors, breadth and thickness at middle line	33 1/2 x .43	✓	Forecastle Deck, Angle, E or F	8 3 .375	✓
" " breadth and thickness at margin plate	33 1/2 x .43	✓	Spacing	Every	✓





## 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>	<i>Two</i>	✓	Stringer Plate, breadth and thickness in way of Bridge .....	<i>66" x .38</i>	✓
„ in 'tween Decks, Size and Spacing.....	<i>wide spaced</i>		Thickness of Plating abreast Deck openings in way of Wells .....	<i>.37</i>	✓
„ „ „ „ „	<i>full on</i>		Thickness of Plating abreast Deck openings in way of Bridge .....	<i>.30 + .34</i>	✓
„ in Holds „ „	<i>as</i>	✓	Thickness of Plating within line of openings...	<i>.30 + .34</i>	✓
„ „ „ „ „	<i>approved</i>		If Sheathed, material and thickness .....	<i>none</i>	
<b>Centre Line Bulkhead.</b>			<b>Third Deck. No 1 Hold</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	<i>37" x .34</i>	
Plating, thickness of .....	✓		If Plated, state thickness.....	<i>.30</i>	
<b>STRINGERS AND DECKS.</b>			<b>THIRD Fourth Deck. No 3 Hold</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	<i>.28</i>	✓
Stringer Plate, breadth and thickness in Wells	<i>63" x .76</i>	✓	If Plated, state thickness .....	<i>.28</i>	✓
„ „ „ „ in way of Bridge	<i>74½" x .42</i>	✓ <i>6½"</i>	<b>Poop Deck.</b>		
„ Angle in Wells .....	<i>6 6 .76</i>	✓	Stringer Plate, breadth and thickness .....	<i>37" x .36</i>	✓
Thickness of Plating abreast Deck openings in way of Wells .....	<i>.60</i>	✓	Plating, Sheathing, material and thickness ...	<i>.26 plating 2½" Borneo w. w. exposed comparative in accom.</i>	✓
Thickness of Plating abreast Deck openings in way of Bridge .....	<i>.37</i>	✓	<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	<i>.43 + .34</i>	✓	Stringer Plate, breadth and thickness.....	<i>70" x .48</i>	✓
If Sheathed, material and thickness .....	<i>2½" Borneo w. w. exposed Comparative in accom.</i>	✓	Plating, Sheathing, material and thickness ...	<i>.46 + .42 2½" Borneo w. w. exposed comparative in accom.</i>	✓
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	<i>66" x .42</i>	✓	Stringer Plate, breadth and thickness.....	<i>35" x .36</i>	✓
			Plating, Sheathing, material and thickness ..	<i>.26 2½" Borneo w. w.</i>	✓

## SHELL PLATING.

SCANTLINGS.						RIVETING. <i>amidships</i>							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>no</i> State if joggled?			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.		
	Inches.	Inches.	Inches.	Inches.									Inches.
FLAT PLATE KEEL .....	51	.84	.74	.74	✓	Double	1	4	four	1	4	lapped	
" DBLG. (if any)		✓	✓	✓		✓			✓	✓	✓		
BOTTOM PLATING, No.) of Strakes ..... 4.)		.66	.50	.50	✓	Double	$\frac{7}{8}$	$3\frac{5}{8}$	four ✓	$\frac{7}{8}$	$3\frac{1}{2}$	lapped	
BILGE PLATING, No. of) Strakes ..... 1.)		.66	.50	.50	✓	"	$\frac{7}{8}$	$3\frac{5}{8}$	four ✓	$\frac{7}{8}$	$3\frac{1}{2}$	"	
SIDE PLATING, No. of) Strakes ..... 3.)		.65	.47	.47	✓	"	$\frac{7}{8}$	$3\frac{5}{8}$	three ✓	$\frac{7}{8}$	$3\frac{1}{8}$	"	
UPPER DECK, Sheer-) strake in Wells.....)	75	1.15 at break .85	.47	.47	✓	"	$1\frac{1}{8} \times 1$	$4\frac{1}{2} \times 4$	four + four	$1\frac{1}{8} \times 1$	$5\frac{1}{8} \times 4$	"	
UPPER DECK, Sheer-) strake in Bridge ...)		.65			✓	"	$1 \times \frac{7}{8}$	$4 \times 3\frac{7}{8}$	four + three	$1 \times \frac{7}{8}$	$4 \times 3\frac{1}{8}$	"	
STRAKE BELOW Sheer-) strake in Wells.....)		.65	.47	.47	✓	"	$\frac{7}{8}$	$3\frac{7}{8}$	three ✓	$\frac{7}{8}$	$3\frac{1}{8}$	"	
STRAKE BELOW Sheer-) strake in Bridge ...)		.65			✓	"	$\frac{7}{8}$	$3\frac{7}{8}$	three	$\frac{7}{8}$	$3\frac{1}{8}$	"	
POOP SIDE PLATING .....				.40		Single	$\frac{3}{4} \times \frac{3}{4}$	$3\frac{7}{8} \times 3$	one	$\frac{3}{4}$	$2\frac{7}{8}$	"	
BRIDGE SIDE PLATING ...		.61			Increased for side lights	Double	$\frac{7}{8}$	$3\frac{7}{8}$	three ✓	$\frac{7}{8}$	$3\frac{1}{8}$	"	
FORECASTLE SIDE PLATING				.42		Single	$\frac{3}{4}$	3	one	$\frac{3}{4}$	$2\frac{7}{8}$	"	

## WATERTIGHT BULKHEADS.

Total No. of <b>W.T. BULKHEADS</b> in Vessel—	
Extending to Upper Deck (Sec. 3 c)	6
„ Deck next below	—
As per Rule	7 ✓ See London letter 8/1/35 + builders letter 22/8/35.

## STIFFENERS.

			Plating Thickness.	VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks			.26	5 x 3 x .28 J	30"	✓	
"	"	Second "					
"	"	Third "					
"	"	Holds .....	.43-.29	12 x 3 1/2 x 3 1/2 x .50/.60	[ 30"	✓	
COLLISION			.46-.32	8 x 3 x .46 J 6	6 x 3 x .28 J 6	} Spaced 24"	
"	"	(in Hold) .....	-.26 J	8 x 3 x .35 J 6	4 x 3 x .30 J 6		
AFTER PEAK			.43-.30	7 x 3 x .38 J 6	5 x 3 x .34 J 7	Spaced 24"	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted
<b>KEEL, Bar</b> .....	✓	✓	✓	✓
<b>STEM</b> .....	rolled bar 10" x 2 7/8"			
<b>STERN FRAME</b>				
<b>RUDDER—A x D</b> .....				
<b>Speed of Vessel</b> 15 knots ✓				
<b>Rudder head</b>	Forging	11 7/8	✓ Bottom and Hoards	
<b>RUDDER</b> mainpiece at head ...	Cast Steel	16" x 9"	✓ Shrouns	
" " heel ...		16" x 6 1/2"	✓ Verticated	
" " how constructed .....	Rudder frame + double plates welded.			
" " double or single plate coupling, vertical or horizontal .....	1 vertical coupling 1 horizontal coupling			

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Open*  
**STEEL.** *Cornett Iron Co., South Durham S & I Co., Dorman Long & Co., Appledby-Frodingham Steel Co.,*  
*Ridhough S & I Co., Cargo Fleet Iron Co., Shinningstone Iron Co., Raine & Co., Colvilles Ltd.*  
 Has the Steel been tested as required by the Rules? *Yes.*

Lloyd's Register  
Foundation







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 (41 in number) & including forging reports are forwarded herewith.  
Midship Section & Profile & decks (as built) are forwarded.

Particulars of Forged Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.				weight of head fittings & pins.			weight of Shank.			
				C.	Q.	U.	C.	Q.	U.	
1st Bower	94421	Broadnought Type		48	1	10	26	0	18	Nettleton 29/6/35 H. Green
2nd "	94422	" "		47	3	21	25	1	14	" " "
3rd "	94423	" "		47	1	13	26	2	15	" " "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 44.67 ft., R.Q.D. ft., Bridge 192.0 ft., Forecastle 32.08 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

No. and Material of Decks (This information is to be given as it should appear in the Register Book) *2 decks steel - upper wood sheathed. 3rd deck " in Nos 1 & 3 holds. Platform*

Official No. 164550 : Signal Letters G.Y.N.D. Is bottom of Vessel coated with cement *Part* if not give particulars of composition  
*Nos 1, 4, 5, 6 Tanks :- outside strakes flushed with cement. No 2 Tank :- Bottom cemented above rivet heads. No 3 " :- Part cemented, bitumastic enamel under boilers. (See Lm letter 1/7/35). Fore & aft Peak Tanks :- Cemented. Bilge :- cemented.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Salt Water Tons.	Where Fitted.	Length. Feet.	SALT WATER Water Capacity. Tons.
Double bottom, aft, <i>Nos 4 &amp; 5</i>	114.6	320	Fore peak tank,	25.3	80
Double bottom, under Engines and Boilers,	—	—	After peak tank,	26.0	242
Double bottom, if under Engines only, <i>Nº 3</i>	40.0	195	Deep tank, aft,		
Double bottom, if under Boilers only,	69.3	DRY TANK	Deep tank, forward,		
Double bottom, forward, <i>Nº 1 &amp; 2</i>	145.6	425	Other tanks, if fitted,		
Total capacity of double bottom		940	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5486

Date 1.3.35

Dates of Surveys held while building

1935 Feb. 7, 11, 12, 14, 15, 18, 19, 21, 25, 26, 28. Mar. 1, 4, 5, 11, 12, 13, 14, 15, 18, 19, 20, 21, 22, 25, 26, 27, 28, 29, Apr. 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31. June 3, 4, 5, 11, 12, 13, 14, 18, 20, 21, 25, 26, 27, 28, 29, 30, 31. July 2, 4, 5, 8, 9, 11, 15, 17, 18, 19, 22, 23, 24, 25, 26, 29, 30, 31. Aug. 2, 7, 9, 13, 16, 19, 21, 23, 25, 29, 30, 31. Sep. 3, 4, 5, 6, 10, 12, 16, 17, 23, 24, 26, 27, 28, 29, 30, 31. Nov. 6.

Total No. of Visits 144