

STEEL STEAMER or MOTORSHIP.

MAR 1945

WRECK
SECTION

State if Report has been sent on the Freeboard of the Vessel

Yes.

Received at London Office

No. 992

State if Report is sent on the Machinery of the Vessel

Yes.

Date of completion of report

Port of

NEWCASTLE-on-TYNE

Survey held at

South Shields

Date First Survey

(1944) June 15th

Last Survey

February 16th 1945

On the

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

Single Screw Steamer "EMPIRE RABAU"

Machinery amidships.

State Type

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

Intermediate between F.S. and C.S.S.

State Type of Erections

File and R.Q.D.

TONNAGE under Tonnage Deck

6688.15

CLASS + 100 A.1.

State if with freeboard as condition of Class

Yes.

Built at

South Shields.

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

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

L 425'-0"

Launched

27/11/44

Yard No. 543

Total

Breadth (greatest moulded)

B 56'-0"

Builders

Messrs. J. Readhead & Sons Ltd.

Gross Tonnage

7306.83

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

D 37'-0"

Owners

Ministry of War Transport.

Register Tonnage

5104.81

1st Longitudinal Number (L x D)

= 15,725

Managers

Moller Line U.K. Ltd.

(Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS.

FEET.

Length

431.0

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

21.83

Residence

London.

Breadth

56.2

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

11.18

Port of Registry

South Shields.

Depth

35.5

Draught Moulded

26'-7 1/2"

If surveyed while building, afloat, or in dry dock

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	36" ✓		Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	27" ✓		" " Reversed Frame	✓	
" " in peaks	24" ✓		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 x 54 ✓	
Frame Amidships, Angle, E or F	12 3 1/2 5/8 ✓		" " top Angles	double 3 1/2 3 1/2 48 ✓	
" " Extends up to { 2nd deck to Upper Deck every 3rd frame ✓ where cantilever or transverse fitted.			" " bottom Angles	double 4 4 54 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 { 7 3 1/2 42 ✓ 7 3 42 ✓ 7 3 42 ✓	B.A. to shell ✓ B.A. to Tank top ✓ B.A. verticals ✓
" " Extends up to	✓		Margin Plate depth (incl. of flange) and thickness	56	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side	Welded ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 3 1/2 44 ✓	except as above ✓	" " Bracket abaft 1/2 len. from stem	Welded ✓	
" " Second 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side	Welded ✓	
" " Third " " "	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	14 x 42 ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	12 3 1/2 5/8 B.A. ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	14 x 42 ✓	
" " in Peaks, Angle, E or F	8 3 1/2 35 ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	14 x 42 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" 8" to 6" apart ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	11 1/4 x 48 ✓	
State if Frame Joggled	Yes ✓		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	46 plated transversely ✓	
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	46, 54, plated transversely ✓	
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?	Yes ✓	
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships		
Middle Line Keelson, on Floors, Angles, E or F			" " in Wells, Angle, E or F		Longitudinal 6 x 3 1/2 x 40 B.A. ✓
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, E or F		with transverse beams of 12 x 4 x 4 x 5/16" E spaced 9'-0" apart ✓
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or F		Longitudinal 7 x 3 x 40 B.A. with cantilevers of 50 plate with double riders, 14" x 1" (top) & 16" x 1" (bottom) sp. 9'-0" apart ✓
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Third Deck, amidships, Angle, E or F		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, E or F		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	42 at 36" ✓		Poop Deck, Angle, E or F		
" " Are Frame and Reversed Frame joggled?	Yes ✓		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	8 3 48 to 6 x 3 x 44 B.A. ✓	
			Spacing	24" & 27" ✓	

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.....		✓			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	✓	40 (next stringer plate)		
" " " " "		✓			Thickness of Plating abreast Deck openings in way of Bridge	✓			
" in Holds " "		✓			Thickness of Plating within line of openings...	✓	34		
" " " " "		✓			If Sheathed, material and thickness	✓			
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.. <i>Spacing 42" - 54"</i>	10	3½	3/8	✓	Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of	30	✓			If Plated, state thickness.....	✓			
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....	✓			
Stringer Plate, breadth and thickness in Wells	90¾	x	70	✓	If Plated, state thickness	✓			
" " " " in way of Bridge	✓				R. Q.				
" Angle in Wells	6	6	68	✓	Deck.				
Thickness of Plating abreast Deck openings in way of Wells <i>next Stringer</i>	65	✓			Stringer Plate, breadth and thickness	✓	46 - 54		
Thickness of Plating abreast Deck openings in way of Bridge <i>next halfway</i>	70	✓			Plating, Sheathing, material and thickness ...	✓	36 - 44		
Thickness of Plating within line of openings...	40				Bridge Deck.				
If Sheathed, material and thickness	✓				Stringer Plate, breadth and thickness.....	✓			
Second Deck.					Plating, Sheathing, material and thickness ...	✓			
Stringer Plate, breadth and thickness in Wells ...	44	✓			Forecastle Deck.				
					Stringer Plate, breadth and thickness.....	✓	36		
					Plating, Sheathing, material and thickness ...	✓	32		

SHELL PLATING.

SCANTLINGS.					RIVETING. (Amidships)								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>no.</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	$55\frac{5}{8}$ ✓	.80 ✓	.70 ✓	.70 ✓		Double ✓	$\frac{7}{8}$ ✓	$3\frac{1}{2}$ ✓		Butts welded. ✓			
„ DBLG. (if any)	✓	✓				✓				✓			
BOTTOM PLATING, No. of Strakes 3...}	A, C ✓	$72\frac{7}{8} \times .64$ ✓	.50 ✓	.50 ✓		Double ✓	$\frac{7}{8}$ ✓	$3\frac{1}{2}$ ✓		HR ✓	$\frac{7}{8}$ ✓	$3\frac{1}{2}$ ✓	Lapped. ✓
BILGE PLATING, No. of Strakes 2...}	B ✓	$72\frac{7}{8} \times .68$ ✓	.50 ✓	.50 ✓		Double ✓	$\frac{7}{8}$ ✓	$3\frac{1}{2}$ ✓		HR ✓	$\frac{7}{8}$ ✓	$3\frac{1}{8}$ ✓	Single Strapped. ✓
SIDE PLATING, No. of Strakes 3...}	D, E. ✓	$93\frac{3}{8} \times .68$ ✓	.50 ✓	.50 ✓		Double ✓	$\frac{7}{8}$ ✓	$3\frac{1}{2}$ ✓		HR ✓	$\frac{7}{8}$ ✓	$3\frac{1}{8}$ ✓	Lapped. ✓
UPPER DECK, Sheer-strake in Wells.....}	F, G, H ✓	$94\frac{5}{8} \times .68$ ✓	.46 ✓	.46 ✓		Double ✓	$\frac{7}{8}$ ✓	$3\frac{1}{2}$ ✓		3R ✓	$\frac{7}{8}$ ✓	$3\frac{1}{8}$ ✓	Lapped. ✓
UPPER DECK, Sheer-strake in Bridge ...}	$92\frac{7}{8}$ ✓	.73 ✓	.46 ✓	.46 ✓		✓				HR ✓	1 ✓	4 ✓	Lapped. ✓
STRAKE BELOW Sheer-strake in Wells.....}	✓	✱	{ Bottom shell forward of $\frac{1}{2}L$ forward, .75" thickness. ✓										
STRAKE BELOW Sheer-strake in Bridge ...}	✓		{ " " " $\frac{3}{5}L$ " , .70" thickness. ✓										
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING	See letter 26.3.45	.40	of side stringers. ✓			Single	$\frac{3}{4}$	3		single	$\frac{3}{4}$	$2\frac{5}{8}$	Lapped

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.		Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c) <i>Collision Bkd. (144), Bkds. 118/121, 95/96, 75/80,</i>								
<i>Deck next below</i>								
As per Rule <i>7</i>								
				STIFFENERS.				
Plating Thickness.				VERTICAL.		HORIZONTAL.		
#.				Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper tween decks				26	Plating corrugated.	✓		
" " Second "				✓	✓	✓		
" " Third "				✓	✓	✓		
" " Holds				34	Plating corrugated	✓		
COLLISION " (in Hold)				36-53	6x3x1/2 B.A. 2 1/2" 2 Semi-Box Beams	✓		
AFTER PEAK " <i>see plan</i>				30-75	6x3x1/2 B.A. 2 1/2" 2 Semi-Box Beams	✓		
					to 3 1/2 x 3 x 30 B.A. 2 1/2" 4 Hummel Recess.			

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., Skinningrove Iron Co., Appleby Frodingham, South Durham, Steel Company of Scotland,
Dorman Long, Lanarkshire Steel Co., Cargo Fleet.
 Has the Steel been tested as required by the Rules? *Yes.*

Has the Steel been tested as required by the Rules?

Open Hearth

Company of Scotland,

Foundation

ANCHORS.

HAWSERS AND WARPS.

MANAGING DIRECTOR

note for S.R.L.

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.)

Partially fabricated "C" Type vessel - first of her type.

Plans

In London office.

Certificates Enclosed:

Stem frame

Quadrant and Liller

Masts.

F.W. Tank S.

Rudder Head.

Rudder frame.

see page 2

PARTICULARS OF ELECTRIC WELDING (if employed)

Murex

Stem frame and rudder - alternate butts of keel and centre girder - gussets to margin - shaft tunnel - Second deck stringer chocks - masts and vent. coamings - Tank top plating.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book + 100 A.I. with freeboard - cruiser
Stem - Lloyd's A. & C. P. - D.F. and E.S.D.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower Weight = 40-2-0 - A.E.G. - 6470 - 8/9/44

2nd " Weight = 40-1-0 - S.P.R. - 6415 - 1/9/44

3rd " Stream Anchor Weight = 18-0-10 - S.P.R. - 6422 - 1/9/44.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. 34.5 ft., Bridge ft., Forecastle 38.04 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 180220

Signal Letters GFFY

Extreme Breadth over Belting

Over-all Length 447.75'

No. and Material of Decks 2 decks (steel)

Parts of Bottom of Vessel coated with cement or approved composition Rivet heads coated with cement, and steel work cement washed. Double bottom under boilers cemented pt. Cem.

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,	66.0	260	Fore peak tank, lower 152 tons, Upper 59 tons		211
Double bottom, under Engines and Boilers,			After peak tank,		172
Double bottom, under Engines only,	24.0	119	Deep tank, aft, Tank in w. of tunnel 14-31 51 → 52.0		310
Double bottom, under Boilers only,	18.0	89	Deep tank, forward, p. 2 s. wings	15.75	300
Double bottom, forward,	208.5	857	Other tanks, if fitted, Engine Room Deep Tank p. 2 s. wings	21.0	334
Total length (if continuous) and Capacity	316.5	1325	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5709

Date 28/1/44

Dates of Surveys held while building

(1944) June 15, 20, 26, 29 July 4, 5, 7, 10, Aug. 2, 8, 10, 11, 14, 15, 18, 30 Sept. 4, 6, 14, 19, 25, 27, 29 Oct. 2, 3, 4, 6, 12, 18, 23, 24, 25, 28, 30, 31 Nov. 2, 3, 6, 7, 8, 10, 13, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27 Dec. 5, 7, 8, 12, 14, 15, 20, 21, 22, 27, 28 (1945) Jan. 3, 5, 10, 11, 15, 16, 18, 24, 25, 29, 30, 31 Feb. 2, 3, 6, 7, 8, 9, 12, 13, 16

Total No. of Visits 90