

Rpt. 1

DISCLOSED

SECTION

No. 821B

STEEL STEAMER OR MOTORSHIP.

DISCLOSED 9 SEP 1943

SECTION

No. 821B

No. 52119

State if Report has been sent on the Freeboard of the Vessel NoState if Report is sent on the Machinery of the Vessel YesDate of completion of report 31st August 1943Port of HullSurvey held at GainsboroughDate First Survey 6th July 1942Last Survey 23rd August 1943On the (State if Machinery fitted Aft or Single, Twin or Triple Engines) Steam tug "EMPIRE MUSTANG"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full ScantlingState Type of Erections NoneTONNAGE under Tonnage Deck ... 228.85CLASS 100A1 State if with freeboard No as condition of Class FEETLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 105.00Breadth (greatest moulded) B 26.50Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 13.501st Longitudinal Number (L x D) 14172nd Numeral L x (B + D) 4200Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.00Proportions—Depth to Length—Uppermost continuous deck to top of keel 7.77Do. Long Bridge to top of keel ✓Draught Moulded 12.2 3/4Built at GainsboroughLaunched 2nd June Yard No. 1534Builders J. F. Watson (Gainsborough)Owners Ministry of War TransportManagers Readhead & Dry's Dugsha

(Where necessary to be entered in Reg. Book)

Residence Newcastle/ByrnePort of Registry HULL

If surveyed while building, afloat, or in dry dock

Building - AfloatDo. of space or spaces between Tonnage Dk. and Upper Dk. ✓Total 228.85Gross Tonnage 242.33Register Tonnage NIL

REGISTERED DIMENSIONS.

FEET

Length 106.75Breadth 26.70Depth 11.60

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 <u>✓</u>	21	✓	Bracket Floors, Frame <u>✓</u>	-	-
" " in boiler space <u>✓</u>	22	✓	" " Reversed Frame <u>✓</u>	-	-
" " from 1/2 length amidships to Collision bulkhead <u>✓</u>	21	✓	" " Vertical Struts <u>✓</u>	-	-
" " in peaks <u>✓</u>	21	✓	Centre Girder, depth and thickness amidships <u>30 : .44</u> <u>✓</u>	30	.44
SIDE FRAMING.			" " top Angles <u>2 1/2 2 1/2 .38</u> <u>✓</u>	2 1/2	2 1/2 .38
Frame Amidships, Angle <u>E or F</u> <u>✓</u>	5 3 .30	✓	" " bottom Angles <u>3 3 .42</u> <u>✓</u>	3	3 .42
" " in Boiler <u>✓</u>	5 3 .36	✓	" " <u>One stiffener on floor each side</u> <u>✓</u>	4	2 1/2 .30
" " Extends up to <u>Main deck</u> <u>✓</u>		✓	Margin Plate depth (excl. of flange) and thickness <u>✓</u>	-	-
Reversed Frame Amidships, Angle <u>✓</u>	-	-	" " Vertical Angle to Tank side Bracket about 1/4 len. from stem <u>✓</u>	-	-
" " Extends up to <u>✓</u>	-	-	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area <u>✓</u>	-	-
Depth of Framing Girder <u>✓</u>	5	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem <u>✓</u>	-	-
Frames in Uppermost Continuous 'tween Decks, Angle, [or] <u>✓</u>	-	-	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area <u>✓</u>	-	-
" " Second 'tween Decks, Angle, [or] <u>✓</u>	-	-	Tank Side Brackets, height above base line at toe of Frame and thickness <u>✓</u>	-	-
" " Third " " " " <u>✓</u>	-	-	INNER BOTTOM PLATING.		
" " from 1/2 len. for'd. to 15% len. from Stem <u>✓</u>	5 3 .30	✓	Breadth and thickness of Middle Line Strake <u>56 : .42</u> <u>✓</u>	56	.42
" " in Peaks, Angle <u>✓</u>	5 3 .30	✓	Thickness of remainder in Holds <u>.44</u> <u>✓</u>	.44	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships <u>5/8 : 14 1/2</u> <u>✓</u>	5/8	14 1/2	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? <u>✓</u>	Ys	✓
State if Frame Joggled <u>no</u> <u>✓</u>	no	✓	BEAMS.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? <u>Ys</u> <u>✓</u>	Ys	✓	Uppermost Continuous Deck, <u>amidships in</u> <u>Wells, Angle, E or F</u> <u>✓</u>	5 3 .32	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? <u>Ys</u> <u>✓</u>	Ys	✓	" " in way of Bridge, Angle, [or] <u>✓</u>	-	-
SINGLE BOTTOM.			Spacing <u>.21</u> <u>✓</u>	.21	✓
Floors, Depth and thickness at mid-line in Holds <u>17 x .30</u> <u>✓</u>	17	.30	Second Deck, amidships, Angle, [or] <u>✓</u>	-	-
Height of Brackets at side above base line at toe of frame <u>45 : 42 : BS. 40</u> <u>✓</u>	45	42 : BS. 40	Spacing <u>✓</u>	-	-
Middle Line Keelson, on Floors, Angles <u>3 1/2 x 3 x .30 : BS. 40</u> <u>✓</u>	3 1/2	3 x .30 : BS. 40	Third Deck, amidships, Angle, [or] <u>✓</u>	-	-
" " Through Plate or Inter- <u>INTER</u> costal Plate <u>.42 in BS</u> <u>✓</u>	.42	in BS	Spacing <u>✓</u>	-	-
" " Foundation Plate on Floors <u>.30 FORWARD OF BS</u> <u>✓</u>	.30	FORWARD OF BS	Fourth Deck, amidships, Angle, [or] <u>✓</u>	-	-
" " Flat Plate Keelsons <u>12 x .34 : BS. 42</u> <u>✓</u>	12	.34 : BS. 42	Spacing <u>✓</u>	-	-
Side Keelsons, No. each side <u>one</u> <u>✓</u>	one	✓	Poop Deck, Angle, [or] <u>✓</u>	-	-
" " thickness of Intercoastal Plate <u>3 1/2 x 3 1/2 x .36 : BS. 46</u> <u>✓</u>	3 1/2	3 1/2 x .36 : BS. 46	Spacing <u>✓</u>	-	-
" " Angles <u>5 x 4 x .38 FWD OF BS</u> <u>✓</u>	5	4 x .38 FWD OF BS	Bridge Deck, Angle, [or] <u>✓</u>	-	-
DOUBLE BOTTOM.			Spacing <u>✓</u>	-	-
Solid Floors, thickness and spacing <u>.36 : 21</u> <u>✓</u>	.36	21	Forecastle Deck, Angle, [or] <u>✓</u>	-	-
" " Are Frame and Reversed Frame joggled? <u>no</u> <u>✓</u>	no	✓	Spacing <u>✓</u>	-	-
Bracket Floors, breadth and thickness at middle line <u>✓</u>	-	-			
" " breadth and thickness at margin plate <u>✓</u>	-	-			

(MADE IN ENGLAND.)

011595-011602-0222 1/2

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 <i>One</i>	<i>2 1/2</i>	<i>2</i>		
IN ACCOMMODATION, STOWAGE & SPACES				
" in 'tween Decks, Size and Spacing				
" " " " " "				
" in Holds				
" " " " " "				
TUNNEL				
Centre Line Bulkheads	<i>3 1/2 x 3 x 30</i>	<i>✓</i>		
Stiffeners and Spacing	<i>5 x 3 x 30</i>	<i>✓</i>		
Plating, thickness of	<i>3/16 + 30</i>	<i>✓</i>		
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	<i>57 x 30</i>	<i>✓</i>		
" " " " in way of Bridge				
" Angle in Wells	<i>3 3 30</i>	<i>✓</i>		
Thickness of Plating abreast Deck openings in way of Wells	<i>30 + 28</i>	<i>✓</i>		
Thickness of Plating abreast Deck openings in way of Bridge				
Thickness of Plating within line of openings	<i>26</i>	<i>✓</i>		
If Sheathed, material and thickness				
Second Deck.				
Stringer Plate, breadth and thickness in Wells				
Stringer Plate, breadth and thickness in way of Bridge				
Thickness of Plating abreast Deck openings in way of Wells				
Thickness of Plating abreast Deck openings in way of Bridge				
Thickness of Plating within line of openings				
If Sheathed, material and thickness				
Third Deck.				
Stringer Plate, breadth and thickness				
If Plated, state thickness				
Fourth Deck.				
Stringer Plate, breadth and thickness				
If Plated, state thickness				
Poop Deck.				
Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness				
Bridge Deck.				
Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness				
Forecastle Deck.				
Stringer Plate, breadth and thickness				
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.		State if jogged?	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.....	37	.42	.40	.38		double	3/4	3	3: 2 at ends	3/4	2 5/8	shapped	
" Bulg. (if any)	-	-	-	-		-	-	-	-	-	-	-	
Bottom Plating, No. of Strakes2.....		.32	.30	.32		single	5/8	2 1/2	2	5/8	2 1/4	lapped	
Bilge Plating, No. of Strakes2.....		.32	.28	.28		"	"	"	2	"	"	"	
Side Plating, No. of Strakes1.....		.34	.30	.30		"	"	"	2	"	"	"	
Upper Deck, Sheer- strake in Wells.....	42	.34	.30	.30		"	"	"	2	"	"	shapped	
Upper Deck, Sheer- strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-	
Strake below Sheer- strake in Wells.....	-	-	-	-		-	-	-	-	-	-	-	
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—	<i>Four</i>
Extending to Upper Deck (Sec. 3 c)	<i>Four</i>
" Deck next below	<i>1</i>
As per Rule	<i>Three</i>

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	<i>No 25</i>	<i>26 . 26</i>	<i>5 x 3 x 34</i>	<i>28</i>	
" " " "	<i>No 24</i>	<i>26 . 27</i>	<i>4 x 2 1/2 x 30</i>	<i>30</i>	
" " " "	<i>Third</i>				
" " " "	<i>Holds</i>				
COLLISION	<i>No 55</i>	<i>34 . 30</i>	<i>6 x 3 x 34</i>	<i>24</i>	
AFTER PEAK Nos 5-7	<i>2 . 26</i>	<i>30 . 50</i>	<i>4 x 2 1/2 x 30</i>	<i>24 + 30</i>	

FORGINGS AND CASTINGS.

	Castings or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM		<i>6 x 1 1/8</i>		
STERN FRAME	Propeller Post	<i>5 1/2 x 2 3/4</i>		
	Rudder	<i>5 1/2 x 2 3/4</i>		
Speed of Vessel		<i>not exceeding 12 knots</i>		
RUDDER—Type		<i>double plate steam line</i>		
" A x D.	<i>46 . 1 1/2 x 2 . 03</i>	<i>93 . 6</i>		
" Diam. of head		<i>rolled 5 1/2" diam</i>		
" Mainpiece at top pintle		<i>steel 5 1/2"</i>		
" " heel		<i>bar 4 3/8"</i>		
" how constructed		<i>welded plates + 3 MS steel</i>		
" double or single plates coupling, vertical or horizontal		<i>30 plate arms 1/2" thick</i>		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	<i>Appleby - Nottingham - Dorman Long</i>
	Has the Steel been tested as required by the Rules? <i>Yes</i>

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.)

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS :—Either as part of the vessel's class or for record in the Register Book

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

1st Bower 4-0-7 : AEG. : 7179 : 27/9/42.
2nd " 3-3-1 : AEG. : 7187 : 3/9/42.
3rd "

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. 169308 Signal Letters ☒ Extreme Breadth over Belting 26'·8 Over-all Length 113'·4
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 Deck - Steel

Parts of Bottom of Vessel coated with cement or approved composition cement to lower turn of bilge

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, amidships see plan	19·58	21	Fore peak tank,	8·5	18
Double bottom, under Engines and Boilers,			After peak tank,	10·0	23
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	3·5	6·2 S.W.
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. 3349.

Date 14·10·42.

Dates of Surveys held while building

2/7, 20/7, 26/8, 2/9, 9/9, 14/9, 22/10, 24/11, 16/12/42, 20/1, 29/1, 2/4, 18/5, 26/5, 13/7, 19/7, 9/8, 13/8, 16/8, 17/8 and 23/8/43.

Total No. of Visits 21