

STEEL STEAMER or MOTORSHIP.

State if Report has been sent on the Freeboard of the Vessel *no*State if Report is sent on the Machinery of the Vessel *yes*Date of completion of report *15th August, 1942*Port of *Grimsey*No. *51716*Survey held at *Gainsborough* Date First Survey *28th May, 1941*Last Survey *15th August 1942*On the *Steam tug "EMPIRE MEADOW"*State Type *Full Scantling*State Type of Erections *none*TONNAGE under Tonnage Deck... *228.85*CLASS *100A1* State if with freeboard *no* (for towing service) as condition of ClassBuilt at *Gainsborough*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 105.00*Launched *1st June, 1942* Yard No. *1528*Total *228.85*Breadth (greatest moulded) *B 26.50*Builders *J. S. Watson (Gainsborough) Ltd.*Gross Tonnage *242.33*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 13.50*Owners *Ministry of War Transport.*Register Tonnage *Nil*1st Longitudinal Number (L x D) *= 1417*Managers *John Cooper.*
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) *= 4200*Residence *158. Corporation Street
Belfast.*

REGISTERED DIMENSIONS.

Length *106.75*Framing Depth "d," at middle of length. See Sec. 3 (1d) *11.00*Breadth *26.70*Proportions—Depth to Length—Uppermost continuous deck to top of keel *7.77*Depth *11.60*Do. Long Bridge to top of keel *✓*Draught Moulded *12.2 3/4*Port of Registry *Dull.*

If surveyed while building, afloat, or in dry dock

Building afloat.

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>21</i>	<i>✓</i>	Bracket Floors, Frame	<i>—</i>	<i>—</i>
" " in boiler space	<i>22</i>	<i>✓</i>	" " Reversed Frame	<i>—</i>	<i>—</i>
" " from 1/2 length amidships to Collision bulkhead	<i>21</i>	<i>✓</i>	" " Vertical Struts	<i>—</i>	<i>—</i>
" " in peaks	<i>21</i>	<i>✓</i>	Centre Girder, depth and thickness amidships	<i>30</i>	<i>✓</i>
IDE FRAMING.			" " top Angles	<i>2 1/2</i>	<i>✓</i>
Frame Amidships, Angle, <i>E or F</i>	<i>5 3 .30</i>	<i>✓</i>	" " bottom Angles	<i>3 3 .42</i>	<i>✓</i>
" " in boiler space <i>E</i>	<i>5 3 .36</i>	<i>✓</i>	Side Girders, No. each side and thickness	<i>4 2 1/2 .30</i>	<i>✓</i>
" " Extends up to <i>main deck</i>			Margin Plate depth (excl. of flange) and thickness	<i>—</i>	<i>—</i>
Reversed Frame Amidships, Angle	<i>—</i>	<i>—</i>	" " Vertical Angle to Tank side	<i>—</i>	<i>—</i>
" " Extends up to <i>—</i>	<i>—</i>	<i>—</i>	Bracket abaft 1/2 len. from stem	<i>—</i>	<i>—</i>
Depth of Framing Girder	<i>5</i>	<i>✓</i>	" " Vertical Angle to Tank side	<i>—</i>	<i>—</i>
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>	Bracket from forward 1/2 len. from stem to Panting Area	<i>—</i>	<i>—</i>
" " Second 'tween Decks, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>	Gussets, spacing and scantling abaft 1/2 len. from stem	<i>—</i>	<i>—</i>
" " Third " " " "	<i>—</i>	<i>—</i>	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	<i>—</i>	<i>—</i>
" " from 1/2 len. for'd. to 15% len. from Stem	<i>5 3 .30</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>—</i>	<i>—</i>
" " in Peaks, Angle <i>or E</i>	<i>5 3 .30</i>	<i>✓</i>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 . 4 1/2</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake	<i>56 . 42</i>	<i>✓</i>
State if Frame Joggled	<i>no</i>	<i>—</i>	Thickness of remainder in Holds	<i>144</i>	<i>✓</i>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes</i>	<i>—</i>	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?	<i>yes</i>	<i>—</i>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes</i>	<i>—</i>	BEAMS.		
INGLE BOTTOM.			Uppermost Continuous Deck, amidships	<i>5 3 .32</i>	<i>✓</i>
Floors, Depth and thickness at mid-line in Holds	<i>17 x .30</i>	<i>✓</i>	" " in Way of Bridge, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>
Height of Brackets at side above base line at toe of frame	<i>ES. 42 BS. 40</i>	<i>✓</i>	" " Spacing	<i>21</i>	<i>✓</i>
Middle Line Keelson, on Floors, Angles, <i>E or F</i>	<i>3 1/2 x 3 x .30 BS. 40</i>	<i>✓</i>	Second Deck, amidships, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>
" " Through Plate <i>or</i> Intercostal Plate	<i>1 1/2 in BS. 30 from 1/2 of BS.</i>	<i>✓</i>	" " Spacing	<i>—</i>	<i>—</i>
" " Foundation Plate on Floors	<i>12 x 3 1/2 BS. 42</i>	<i>✓</i>	Third Deck, amidships, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>
" " Flat Plate Keel Angles	<i>3 1/2 x 3 1/2 x .36 BS. 46</i>	<i>✓</i>	" " Spacing	<i>—</i>	<i>—</i>
Side Keelsons, No. each side	<i>—</i>	<i>—</i>	Fourth Deck, amidships, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>
" " thickness of Intercostal Plate	<i>—</i>	<i>—</i>	" " Spacing	<i>—</i>	<i>—</i>
" " Angles	<i>—</i>	<i>—</i>	Poop Deck, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>
DOUBLE BOTTOM.			" " Spacing	<i>—</i>	<i>—</i>
Solid Floors, thickness and spacing	<i>36 . 21</i>	<i>✓</i>	Bridge Deck, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>
" " Are Frame and Reversed Frame joggled?	<i>no</i>	<i>—</i>	" " Spacing	<i>—</i>	<i>—</i>
Bracket Floors, breadth and thickness at middle line	<i>—</i>	<i>—</i>	Forecastle Deck, Angle, <i>E or F</i>	<i>—</i>	<i>—</i>
" " breadth and thickness at margin plate	<i>—</i>	<i>—</i>	" " Spacing	<i>—</i>	<i>—</i>

[illegible]

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>yes</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	<i>37</i>	<i>1/2</i>	<i>1/40</i>	<i>1/38</i>		<i>double</i>	<i>3/4</i>	<i>3</i>	<i>3 : 2 cr. to cr.</i>	<i>3/4</i>	<i>2 1/2</i>	<i>strapped</i>
" Deck (if any)	—	—	—	—		—	—	—	—	—	—	—
BOTTOM PLATING, No. of Strakes <i>2</i>		<i>1/32</i>	<i>1/30</i>	<i>1/32</i>		<i>single</i>	<i>7/8</i>	<i>2 1/2</i>	<i>2</i>	<i>7/8</i>	<i>2 1/2</i>	<i>lapped</i>
BILGE PLATING, No. of Strakes <i>2</i>		<i>1/32</i>	<i>1/28</i>	<i>1/28</i>		"	"	"	<i>2</i>	"	"	"
SIDE PLATING, No. of Strakes <i>2</i>		<i>1/34</i>	<i>1/30</i>	<i>1/30</i>		"	"	"	<i>2</i>	"	"	"
UPPER DECK, Sheer-strake in Wells	<i>42</i>	<i>1/34</i>	<i>1/30</i>	<i>1/30</i>		"	"	"	<i>2</i>	"	<i>2 1/2</i>	<i>strapped</i>
UPPER DECK, Sheer-strake in Bridge ...	—	—	—	—		—	—	—	—	—	—	—
STRAKE BELOW Sheer-strake in Wells	—	—	—	—		—	—	—	—	—	—	—
STRAKE BELOW Sheer-strake in Bridge ...	—	—	—	—		—	—	—	—	—	—	—
POOF SIDE PLATING	—	—	—	—		—	—	—	—	—	—	—
BRIDGE SIDE PLATING ...	—	—	—	—		—	—	—	—	—	—	—
FORECASTLE SIDE PLATING	—	—	—	—		—	—	—	—	—	—	—

Total No. of W.T. BULKHEADS in Vessel—		STIFFENERS.		VERTICAL.		HORIZONTAL.		GAS TIGHTNESS.		MAKERS NAME.		Any Departure from Approved Plans to be Noted.	
Extending to Upper Deck (Sec. 3 c)		Plating Thickness.		Scantlings.		Spacing.		Scantlings.		Spacing.			
" Deck next below													
As per Rule													
MIDSHIP BULKHEAD		No 25		36-26 5 x 3 x 34		28		—		—			
" "		No 44		36-27 4 x 2 1/2 x 30		30		—		—			
" "		Third		—		—		—		—			
" "		Holds		—		—		—		—			
COLLISION		No 55		34-30 6 x 3 x 34		24		—		—			
AFTER PEAK		No 5-7		30-26 4 x 2 1/2 x 30		24		—		—			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	<i>Applby - Frothingham & Downman, Long</i>
	Has the Steel been tested as required by the Rules?	<i>yes.</i>

[illegible]

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.			
	Length.	Diam.	Stations.	Break- ing.	Supplied.		Per Rule.	Fathoms.	Ins.	Length.					Diam.	Fathoms.		Ins.	Tons.	Fathoms.	Ins.
					Owts.	qrs. lbs.															
115489	90 $\frac{3}{4}$	1	18	27	50-2-20		46	90	1	Steel	✓	Holliston's 3/16" per J. A. Self.	TOWLINE...	✓	✓						
													HAWSEY & WARPS	60	6			60	6		
													"	60	4 $\frac{1}{2}$			60	4 $\frac{1}{2}$		
Iron Steam Chain or Steel Wire	✓	✓											"								

Steering Chains (Size and Test) *1 1/2" / 9 1/2 tons* Windlass *Steam* Boats *2-17'-0" Dinghy (wood)*

Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness, material and spacing *✓*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *2 1/2"*
Steel & wood *2" coop. battens on casing top.*

Size of Hatchways *No. 1 (Red) 2'-6" x 2'-6" = 1'-6" North* *5'-6" x 5'-0" North x 6"* *No. 2* *No. 3* *No. 4*

Number of Shifting Beams *✓*
and/or Fore and Afters *✓*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo
be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in accordance with the approved plans
dated 29/7, 20/9, 30/9, 1/10, 18/10, 29/10, 8/11 and 12/11/40, 18/3 and 24/4/41, Contract
Specification and in conformity with the Rules for the Class
contemplated. Copy of Specification is forwarded with the report.
The materials and workmanship employed during the
construction are of good quality.
The D. 13 and fore and after peak tanks tested in
accordance with the Rules.
The vessel is a sister vessel of the "EMPIRE BIRCH" (No 16505
in the 12.13k.)
Forging reports of stern frame and middle & attached:
a tiller
are
821701
(12) 401

Special Survey Fee . . . £ 40 : 0 : 0
 Travelling Expenses, if any £ 2 : 16 : 0
 State whether the Vessel has been built under Special Survey. yes
 Certificate to be sent to Hull Date of issue 28/9/42
 Received by me, _____ 19_____
 I am of opinion the Vessel should be Classed 100A1
"for towing services"
 Signature L. E. Palmer
 Surveyor to Lloyd's Register of Shipping.

Committee's findings

Character assigned

+100%

In Towing Services

Lloyd and

ad.

Wade

20, 09, 20

© 2021 Lloyd's Reg 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 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

For Towing Service.

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

1st Bower 4-0-5 : J.D. 6013 : 28/2/41.
2nd " 3-2-19 : J.D. 5973 : 10/2/41.
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. 167128 Signal Letters Extreme Breadth over Belting 26.6 Over-all Length 113.4

No. and Material of Decks 1 Dh (stl) 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.)

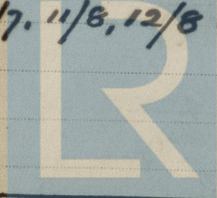
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, etc.	19.58	21	Fore peak tank,	8.5	18
Double bottom, under Engines and Boilers,			After peak tank,	10.0	23
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	3.5	6
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.

Date

Dates of Surveys held while building

28/5, 6/6, 21/7, 5/8, 14/8, 16/9, 7/10, 28/10 and 15/12/41, 13/1, 13/2, 11/3, 26/3, 24/4, 8/5, 1/6, 29/6, 9/7, 14/7, 11/8, 12/8 & 15/8/42



Lloyd's Register Foundation

Total No. of Visits 22