

LIFTING LIGHTER.
STEEL STEAMER OR MOTORSHIP.

5- OCT 1945

Rpt. 1

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 13th October 1945 Port of Middlesbrough No. 17924.

Survey held at Middlesbrough Date First Survey 7th July 1943 Last Survey 19th September 1945

On the (State if Machinery fitted for and of Single, Twin or Triple Screw) 150 tons Lifting Craft 'L.C. 28' (non Propelled)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Hull Scantling 100 A.I. Wreck State Type of Erections Flush Deck.

TONNAGE under Tonnage Deck 626.94

CLASS Lifting Lighter State if with freeboard as condition of Class

Built at Cleveland Dock Yard Middlesbrough

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 147.00'

Launched 24th June 1945 Yard No. 155

Total -

Breadth (greatest moulded) B 36.00'

Builders Vess Side Bridge & Engineering Works

Gross Tonnage 630.97

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 15.00'

Owners The Admiralty

Register Tonnage 532.80

1st Longitudinal Number (L x D) 2205

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

2nd Numeral L x (B + D) 7497

Residence -

REGISTERED DIMENSIONS.

FEET

Length 148.30'

Breadth 36.25'

Depth 14.33'

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

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

Do. Long Bridge to top of keel

Draught Moulded

9.8

12.00'

Port of Registry Newcastle-on-Tyne

If surveyed while building, afloat, or in dry dock

While building and 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.....			Bracket Floors, Frame	-	
" " from $\frac{3}{8}$ length amidships to Collision bulkhead.....	21"	✓	" " Reversed Frame.....	-	
" " in peaks	throughout	✓	" " Vertical Struts	-	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	30" x 12 lbs	✓
Frame Amidships, Angle, \angle or \square	8 4 .5	Yours welded	" " top Angles	3 3 .30	✓
" " Extends up to.....	Upper Deck	✓	" " bottom Angles.....	3 3 .30	✓
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness.....	one 12 lbs.	✓
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	level tank top	
Depth of Framing Girder.....	8"	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	-	
Frames in Uppermost Continuous 'tween Decks, Angle, \angle or \square	8 4 .5	Yours welded	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	-	
" " Second 'tween Decks, Angle, \angle or \square	-		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	-	
" " Third	-		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area	-	
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	8 4 .5	Yours welded	Tank Side Brackets, height above base line at toe of Frame and thickness	4'-3" x 12 lbs.	✓
" " in Peaks, Angle \angle or \square	6 3 .32	✓	INNER BOTTOM PLATING in Boiler Room		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	frames welded to shell	✓	Breadth and thickness of Middle Line Strake...	7'6" x 17 lbs.	✓
State if Frame Joggled.....	ho.	✓	Thickness of remainder in Boiler Room	17 lbs to 12 lbs	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	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?.....	As approved.	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Boiler Space (72-82) Wells, Angle, \angle or \square	10 3 1/2 3 1/2 x 49/56	✓
Floors, Depth and thickness at mid-line in Holds.....	10 3 1/2 3 1/2 x 49/56	✓	" " in way of Bridge, Angle, \angle or \square	6 3 .32	✓
Height of Brackets at side above base line at toe of frame.....	3'-4"	✓	" " Spacing	21"	✓
Middle Line Keelson, on Floors, Angles, \angle or \square	5 3 .30	✓	Platform Second Deck amidships, Angle, \angle or \square	5 3 .34	Yours welded
" " Through Plate or Inter-costal Plate	12 lbs.	✓	" " Spacing	21"	✓
" " Foundation Plate on Floors	-		Third Deck, amidships, Angle, \angle or \square	-	
" " Flat Plate Keel Angles	3 1/2 3 .30	✓	" " Spacing	-	
Bulge Side Keelsons, No. each side.....	one	✓	Fourth Deck, amidships, Angle, \angle or \square	-	
" " thickness of Intercoastal Plate.....	15 lbs.	✓	" " Spacing	-	
" " Angles	6 3 1/2 3 1/2 9/8 lbs.	✓	Poop Deck, Angle, \angle or \square	-	
DOUBLE BOTTOM. in Boiler Room			" " Spacing	-	
Solid Floors, thickness and spacing	12 lbs. every frame	✓	Bridge Deck, Angle, \angle or \square	-	
" " Are Frame and Reversed Frame joggled?	ho.	✓	" " Spacing	-	
Bracket Floors, breadth and thickness at middle line	2'-1" 11/16"	✓	Forecastle Deck, Angle, \angle or \square	-	
" " breadth and thickness at margin plate.....	-		" " Spacing	-	

(MADE IN ENGLAND.)

010705-010711-0031' 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>Two</i>											
" in 'tween Decks, Size and Spacing				<i>6</i>	<i>3</i>	<i>3 1/2</i>	<i>25</i>	<i>CS.</i>			
" " " "				<i>every 6"</i>	<i>6"</i>	<i>3 1/2</i>	<i>25</i>	<i>CS.</i>			
" in Holds " " "				<i>(Collector's note)</i>	<i>8"</i>	<i>3 1/2</i>	<i>25</i>	<i>CS.</i>			
" " " "				<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>			
<i>Longitudinal</i> Continuous Bulkheads Stiffeners and Spacing				<i>5</i>	<i>3</i>	<i>.34</i>	<i>Yoss Weld</i>	<i>2"</i>			
Plating, thickness of				<i>at 21" apart</i>	<i>15 lbs</i>	<i>✓</i>					
STRINGERS AND DECKS.											
Uppermost Continuous Deck.				<i>30 lbs.</i>	<i>✓</i>						
Stringer Plate, breadth and thickness in Way				<i>6</i>	<i>5</i>	<i>5/8</i>	<i>angle to deck</i>				
" " " " " " " "				<i>5</i>	<i>5</i>	<i>3/8</i>	<i>angle to Bolster</i>				
" " " " " " " "				<i>5</i>	<i>5</i>	<i>3/8</i>	<i>angle to Bolster</i>				
Thickness of Plating abreast Deck openings in way of Wells				<i>-</i>	<i>-</i>	<i>5</i>	<i>See letter</i>				
Thickness of Plating abreast Deck openings in way of Bridge				<i>-</i>	<i>-</i>	<i>8"</i>	<i>7-11-45</i>				
Thickness of Plating within line of openings				<i>20 lbs to 15 lbs.</i>	<i>✓</i>						
If Sheathed, material and thickness				<i>none</i>	<i>✓</i>						
Third Deck.											
Stringer Plate, breadth and thickness				<i>30 lbs.</i>	<i>✓</i>						
If Plated, state thickness				<i>-</i>	<i>-</i>						
Fourth Deck.											
Stringer Plate, breadth and thickness				<i>30 lbs.</i>	<i>✓</i>						
If Plated, state thickness				<i>-</i>	<i>-</i>						
Poop Deck.											
Stringer Plate, breadth and thickness				<i>30 lbs.</i>	<i>✓</i>						
Plating, Sheathing, material and thickness				<i>-</i>	<i>-</i>						
Bridge Deck.											
Stringer Plate, breadth and thickness				<i>30 lbs.</i>	<i>✓</i>						
Plating, Sheathing, material and thickness				<i>-</i>	<i>-</i>						
Forecastle Deck.											
Stringer Plate, breadth and thickness				<i>30 lbs.</i>	<i>✓</i>						
Plating, Sheathing, material and thickness				<i>-</i>	<i>-</i>						

[illegible]

Total No. of Wt. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
Extending to Upper Deck (Sec. 6 c)		KEEL, Bar		Plate	Plate	
" Deck next below		STEM		burned	Plate as approved	
As per Rule		STERN FRAME		Propeller Post		
				Rudder		
		Speed of Vessel		horses	Propelled	
		RUDDER—Type				
		" A x D		No	Rudder	
		" Diam. of head				
		" Mainpiece at top pintle				
		" heel				
		" how constructed				
		" double or single plate				
		" coupling, vertical or				
		" horizontal				

MIDSHIP	BULKH'D, Upper 'tween decks	Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
		10 lbs	4x3+30	abt 24	Yess Welded	
"	" Second "	-	-	-		
"	" Third "	-	-	-		
"	" Holds	15 lbs	5x3+34	abt 22	Yess Welded	
COLLISION	" (in Hold)	15 lbs	5x3+34	abt 16-22	Yess Welded	
AFTER PEAK	"	15 lbs	5x3+34	abt 21-25	Yess Welded	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).	Open Hearth
	Messrs Downer & Co., Liverpool, Rains & Co., Bonsett & S. Co., South Durham & S. Co., Darlington Rolling Mills	
	Has the Steel been tested as required by the Rules?	Yes.

	Casting or Forging.	Stanchings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar		Flat Plate		
STEM		curved Plate as approved		
STERN FRAME	Propeller Post	-		
	Rudder	-		
Speed of Vessel		how propelled		
RUDDER—Type		-		
" A x D.	No	Rudder		
" Diam. of head		-		
" Mainpiece at top pintle		-		
" heel		-		
" how constructed		-		
" double or single plate		-		
" coupling, vertical or		-		
" horizontal		-		
The Vessel (state process of manufacture). Open Hatch				

[illegible]

HAWSERS AND WARPS

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.	Tons.	Break- ing lbs.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Tons.	Length.	Cir.		
68203	10	1 3/8	62 5/8	88 1/2	36-1-18	all specified	5.5mk	by Hingley & Sons Ltd Nelson	C.H. 14-4-44	POWELL	120	2 1/2	all as							
68204	10	1 3/8	62 5/8	88 1/2	35-1-27	by Gideault								5.5mk	by Hingley & Sons Ltd Nelson	C.H. 14-4-44	HAWES & WARPS	20120	1 1/2	specified
4529	40	1 3/4 Cir.	↑	↑	64-0-8															
Iron Stream Chain or Steel Wire					no particulars of test furnished						Shaan Wire	180	2 1/2	Gideault						

Steering Gear, Type (Power or hand) _____ Alternative Means of Steering _____

Steering Chains (Size and Test) _____ *Wireless* *2 @ 4 tons* Boats *1-28' working light Boat*
1-14-6 *Winghy*

Ceiling in Holds, thickness and material _____ Cargo Battens, thickness, material and spacing _____

Cargo Hatchways.—(Upper Deck) *2 Flush Stove Hatches (W.T.)* Thickness of Hatches *Steel covers 15 lbs.*

Size of Hatchways No. 1 (Fwd.) *4'-6½" x 6'-3½"* No. 2 *4'-6½" x 6'-3½"* No. 3 _____ No. 4 _____ No. 5 _____ No. 6 _____

Number of Shifting Beams
and/or Fore and Afters _____

THE TEES SIDE BRIDGE & ENGINEERING WORKS LTD

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel. Yes. ✓
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. No ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).
Fitted for burning Oil Fuel above 150°F. Flash Point - carried in Aft Peaks. ✓
This ship has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The arrangements and arrangements are in accordance with, or equivalent to, those shown on the approved plans. ✓ 7.2 + A approved
All Ballast Tanks, Peak Tanks and Double Bottom Tanks have been tested to Rule Requirements and found satisfactory. The Upper Deck, Hatch Hatches, Access Scuttles and Tween Deck Bulkheads have been tested and found satisfactory. ✓
Winches, Capstans and Wrecks have been tested under working conditions and found satisfactory. ✓
The freeboard markings, as required, have been cut in and verified. ✓
The workmanship and materials are good. ✓
All trials required by the Admiralty have been carried out with satisfactory results. ✓
The Specification has been supervised on behalf of the Admiralty. ✓

The amount of Entry Fee..... £ 10 10 0 Fees applied for, 4. 10. 1945 (Special conditions, where part of class, to be stated)

Special Survey Fee..... £ 10 0 0 Received by Superintendent of Specification 19 40 I am of opinion the Vessel should be Classed + 100 A.I.

Supervision of Specification 45 0 0 Travelling Expenses, if any..... £ 0 0 0 No rendered from 28.3.46 "Brick Gifting lighter"

State whether the Vessel has been built under Special Survey Yes London.....
Signature J. L. G. G. G.
Surveyor to Lloyd's Register of Shipping.

ED 27 A1 Middlebrough Date of issue 1/6/46
Certificate to be sent to Middlebrough

Committee's Minute
Character assigned +100A1 "black lifting light"
+NB 9.45

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.)

M.D.B. 17735 L.C. 23
M.D.B. 17742 L.C. 24
M.D.B. 17774 L.C. 25
M.D.B. 17830 L.C. 26
M.D.B. 17856 L.C. 27

Midships Section
Profile and Deck
Beantling Sections
Shingles + Breast Hooks in Oil Fuel Bunker
Partial Bulkheads
Oil Fuel Centre Line Division
Shell Expansion
Variation of numbering of frames to suit lengthened 750 tons Lifting Cranes

PARTICULARS OF ELECTRIC WELDING (if employed) The following parts of the vessel have been electrically welded with approved electrodes:—

Side Frames to Shell, Beams to Platform Deck, Butts of Bilge Stakes and Rounded Sheerstrake, Stiffeners to Longitudinal and Transverse Bulkheads.

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

Lloyds A + C.P.

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

1st Bower	29-1-12	- J.H.J.	- 6154	- 21-3-44
2nd "	28-3-11	- J.H.J.	- 6019	- 28-12-43
3rd "	29-0-24	- J.H.J.	- 6008	- 15-12-43
4th "	28-2-25	- J.H.J.	- 6133	- 11-3-44

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. 169201

Signal Letters

Extreme Breadth over Belting 36'-2.5"

Over-all Length

(Circ. 1703)

No. and Material of Decks

Upper Deck Steel Platform Deck Steel

Parts of Bottom of Vessel coated with cement or approved composition

Ballast Tanks coated with Bituminous Solution
F.Water Tanks under Boilers and No. 5 G. Ballast Tanks (Reserve F.Water Tanks) coated with Bituminous Solution
and Bituminous enamel. Fuel Tanks under Boilers internal Viled.

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,	14.75	93
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	—
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	F. 15.75	32.5	Deep tank, forward,	—	—
Double bottom, forward,	—	—	Other tanks, if fitted, Ballast Tanks below Platform Deck 8'-6.8	105'	815
Total length (if continuous) and Capacity	—	—	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 15516

Date 23-6-43

Dates of Surveys held while building

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

Total No. of Visits 157