

## STEEL STEAMER or MOTORSHIP.

Received at London Office 22.1.42

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *No*

Date of completion of report

20<sup>th</sup> January, 1942

Port of

Middlesbrough

No.

17179

Survey held at

Hawerton Hill on this

Date First Survey

23<sup>rd</sup> January 1941

Last Survey

10<sup>th</sup> January, 1942

On the

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

*5 1/2 EAGLESDALE EX EMPIRE METAL*

Machinery Aft Single Screw Steam Tanker

State Type

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

*Full Scantling*

State Type of Erections

*Proprietary File*

TONNAGE under Tonnage Deck...

7197.47

CLASS *100 A.I. CARRYING* (State if with freeboard) *No*

PETROLEUM IN BULK. (as condition of Class)

LONGITUDINAL FRAMING AT BOTTOM AND AT DECK.

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

FEET.

L 460.0

Built at *Hawerton Hill on this*Launched *Nov. 18<sup>th</sup> 41*Yard No. *339*

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

Total

7197.47

Gross Tonnage

8032.20

Register Tonnage

4666.78

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 33.3

1st Longitudinal Number (L x D) = 15295

2nd Numeral L x (B + D) = 43355

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 13.83

Breadth Moulded 27.15

Builders *Furness, S.B.C.L.*OWNERS *HIS MAJESTY REPRESENTED BY THE COMMISSIONER FOR EXECUTING THE OFFICE OF LORD HIGH ADMIRAL OF THE UNITED KINGDOM*

Managers

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

Residence

Port of Registry *LONDON*

If surveyed while building, afloat, or in dry dock

*Surveyed while 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.
<b>FRAMES, Spacing amidships</b> .....	31' ✓		<b>Bracket Floors, Frame</b> .....	8' 3 1/2" 7/16 ✓	
" " from 3/4 length amidships to Collision bulkhead.....	30 3/4" IN E-B SPACE ✓		" " Reversed Frame.....	8' 3 1/2" 45 ✓	
" " in peaks.....	24' ✓		" " Vertical Struts <i>PLATES</i> .....	2-11' 52' ✓	
<b>LONGITUDINAL FRAMING AT BOTTOM AND AT DECK.</b>			" " <i>81' 150' 34' ✓</i>		
<b>SIDE FRAMING. SEE SEPARATE SHEET.</b>			<b>Centre Girder, depth and thickness amidships</b>	100' 60' ✓	
Frame Amidships, Angle, [ or ] ✓	10 3 1/2" 40' ✓		" " top Angles.....	135' 3 1/2" 3 1/2" 53' ✓	
" " Extends up to <i>UPPER DECK.</i>			" " bottom Angles.....	6' 6" 50' ✓	
Reversed Frame Amidships, Angle.....	✓		" " <i>ES. TWO 50' ✓</i>		
" " Extends up to.....	✓		<b>Side Girders, No. each side and thickness</b> .....	<i>BS. ONE 52' ✓</i>	
Depth of Framing Girder.....	10' ✓		<b>Margin Plate</b> depth (excl. of flange) and thickness.....		
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ].....	7 10' 3 1/2" 50' ✓		" " Vertical Angle to Tank side		
" " <i>ALT IN ROOF. ✓</i>			Bracket abaft 1/4 len. from stem.....		
" " <b>Second 'tween Decks, Angle, [ or ]</b> .....	7 6' 3 1/2" 36' ✓		" " Vertical Angle to Tank side		
" " <i>INTERMEDIATE. ✓</i>			Bracket from forward 1/4 len. from stem to Panting Area.....		
" " <b>Third</b> " " " " " " " "			Gussets, spacing and scantling abaft 1/4 len. from stem.....		
" " from 1/4 len. for'd. to 15% len. from Stem.....	7 12' 3 1/2" 45' ✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area.....		
" " <i>AS APPROVED. ✓</i>			<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
" " in Peaks, Angle or [ ✓	8' 3 1/2" 7/16 ✓				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships.....	7/16" 4 1/8" ✓		<b>INNER BOTTOM PLATING.</b>		
State if Frame Joggled.....	<i>Yes</i> ✓		Breadth and thickness of Middle Line Strake.....	ER. 30' 52' ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?.....	<i>No</i> ✓		Thickness of remainder in Holds <i>IN E-B SPACE</i> .....	ER. 54' ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	<i>Yes</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?.....	BR. 58' ✓	
<b>SINGLE BOTTOM. AT FORE END.</b>			<b>BEAMS, IN MACHINERY SPACE.</b>		
Floors, Depth and thickness at mid-line in Holds.....	4' 0" 3/8" ✓		Uppermost Continuous Deck, amidships in Wells, Angle, [ or ].....	7 8' 3 1/2" 7/16 ✓	
Height of Brackets at side above base line at toe of frame.....	7' 0" 40' 3 1/4" ✓		" " in way of Bridge, Angle, [ or ].....		
Middle Line Keelson, on Floors, Angles, <i>IN CANAL TANKS</i> [ or ].....			Spacing.....	<i>SEE SEPARATE SHEET.</i> ✓	
" " Through Plate or Intercoastal Plate.....	3 1/2" 3 1/2" 7/16 ✓		<b>Second Deck, amidships, Angle, [ or ]</b> .....	8' 3 1/2" 7/16 ✓	
" " Foundation Plate on Floors.....			Spacing.....	<i>EVERY</i> ✓	
" " Flat Plate Keel Angles.....	4' 4" 50' ✓		<b>Third Deck, amidships, Angle, [ or ]</b> .....		
Side Keelsons, No. each side.....			Spacing.....		
" " thickness of Intercoastal Plate.....			<b>Fourth Deck, amidships, Angle, [ or ]</b> .....		
" " Angles.....			Spacing.....		
<b>DOUBLE BOTTOM. IN MACHINERY SPACE.</b>			<b>Poop Deck, Angle, [ or ]</b> .....	8' 3 1/2" 7/16 ✓	
Solid Floors, thickness and spacing.....	4 1/2" 30 3/4" 3 1/2" 30' ✓		Spacing.....	<i>EVERY</i> ✓	
" " Are Frame and Reversed Frame joggled? <i>NOT JOGGED.</i>	<i>RE IN BOILER SPACE ONLY ✓</i>		<b>Bridge Deck, Angle, [ or ]</b> .....		
Bracket Floors, breadth and thickness at middle line.....	2-11' 52' ✓		Spacing.....	<i>(SEE SEPARATE SHEET)</i>	
" " breadth and thickness at margin plate.....	<i>AS APPROVED.</i> ✓		<b>Forecastle Deck, Angle, [ or ]</b> .....	8' 3 1/2" 35' ✓	



## 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</b> , 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 .....		
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge .....		
„ in Holds			Thickness of Plating within line of openings...		
27" CENTRAL LINE BULKHEAD IN ORDN TANK TWO			If Sheathed, material and thickness .....		
STIFFENERS 10" x 3 1/2" x 60" SPACED 26" x 31" APART.			<b>Third Deck.</b>		
WELLS FRAMES ON 168" x 28" x 40" DOUBLE FACE BAR			Stringer Plate, breadth and thickness.....		
LONGITUDINAL			If Plated, state thickness.....		
CENTRE LINE BULKHEAD. A.S.			<b>Fourth Deck.</b>		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of .....			If Plated, state thickness .....		
<b>STRINGERS AND DECKS.</b>			<b>Poop Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness .....		
Stringer Plate, breadth and thickness in Wells			Plating, <del>Sheathing, material and thickness</del> ...		
„ „ „ „ in way of Bridge			<b>Bridge Deck.</b>		
„ Angle in Wells .....			Stringer Plate, breadth and thickness.....		
Thickness of Plating abreast Deck openings in way of Wells .....			Plating, <del>Sheathing, material and thickness</del> ...		
Thickness of Plating abreast Deck openings in way of Bridge .....			<b>Forecastle Deck.</b>		
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness .....			Plating, <del>Sheathing, material and thickness</del> ...		
<b>Second Deck.</b>					
Stringer Plate, breadth and thickness in Wells...					

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>Na</i>			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.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	<i>53</i>	<i>47</i>	<i>80</i>	<i>52</i>	<i>82 See letter 29.1.42</i>	<i>DOUBLE.</i>	<i>1</i>	<i>4</i>	<i>QUINTUPLE FOR 1/2 LTH QUAD ENDS.</i>	<i>1</i>	<i>4</i>	<i>LAPPED.</i>
<i>DBLG. (if any)</i>												
BOTTOM PLATING, No. of of Strakes ....		<i>70</i>	<i>50</i>	<i>66</i>			<i>7/8</i>	<i>3 1/2</i>	<i>QUADRUPLE.</i>	<i>7/8</i>	<i>3 1/2</i>	<i>LAPPED.</i>
BILGE PLATING, No. of Strakes ....	<i>E</i>	<i>64</i>	<i>50</i>	<i>66</i>								
	<i>F</i>	<i>63</i>	<i>50</i>	<i>48</i>								
SIDE PLATING, No. of Strakes ....	<i>G</i>	<i>65</i>	<i>46</i>	<i>46</i>								
	<i>H</i>	<i>63</i>	<i>46</i>	<i>46</i>								
UPPER DECK, Sheer- strake in Wells.....	<i>K 72 1/2</i>	<i>94</i>	<i>46</i>	<i>46</i>			<i>1</i>	<i>3 7/8</i>	<i>5-4</i>	<i>1 1/8</i>	<i>4 1/2</i>	
UPPER DECK, Sheer- strake in Bridge ...	<i>72 1/2</i>	<i>112</i>					<i>1</i>	<i>3 7/8</i>	<i>5</i>	<i>1 1/8</i>	<i>5 1/2</i>	
STRAKE BELOW Sheer- strake in Wells.....	<i>72</i>	<i>78</i>	<i>46</i>	<i>46</i>			<i>1</i>	<i>3 7/8</i>	<i>4-3</i>	<i>1 1/8</i>	<i>4</i>	
STRAKE BELOW Sheer- strake in Bridge ...												
POOF SIDE PLATING .....				<i>40</i>		<i>SINGLE</i>			<i>2</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED.</i>
BRIDGE SIDE PLATING ...		<i>44</i>							<i>2</i>	<i>3/4</i>	<i>2 5/8</i>	
FOREC'TLE SIDE PLATING			<i>43</i>				<i>3/4</i>	<i>3</i>	<i>1</i>	<i>3/4</i>	<i>2 5/8</i>	

## WATERTIGHT BULKHEADS.

**Total No. of W.T. BULKHEADS in Vessel—**

Extending to Upper Deck (Sec. 3 c) 2 WATER TIGHT. } To Upper Deck.

Deck next below ALL EXTENDED TO UPPER DECK.

As per Rule

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Particulars from Approved Plans to be Noted.
KEEL, Bar	FLAT PLATE.			
STEM	PLATES 60' WITH CAST STEEL EXTENSION.			
STERN FRAME	Propeller Post PLATES 1/8" E.W. - CAST STEEL CASTINGS.			
	Rudder " BUTT. PLATES E.W. D 1" THICK			
Speed of Vessel	12 KNOTS.			
RUDDER-Type	DOUBLE PLATE STEAM LINE.			
" A x D	664			
" Diam. of head	FORGED STEEL. 14"			
" Mainpiece at top pintle	CAST STEEL BUTT JOINT COUPLING			
" " heel				
" how constructed				
" double or single plate coupling, vertical or horizontal	6 BOLTS.			

STIFFENERS.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D,	Upper tween decks	5/16" 7/16" 2 1/2"	10 x 3 1/2" - 40' 7 3/8" IN WING TANKS. 40' - 120 ON Bulk	24"	120 - 132 - 137 - 144	
"	Second "	5/16" 7/16" 2 1/2"	10 x 3 1/2" - 40' 7 3/8" IN WING TANKS.	24"	120 Bulk	
"	Third "	5/16" 7/16" 2 1/2"	10 x 3 1/2" - 50' 7 3/8"	24"	ON 120 Bulk	
"	Holds .....	5/16" 7/16" 2 1/2"	12 x 3 1/2" - 45' 7 3/8"	24"	To W.T.F. SIDE Box	
COLLISION	(in Hold) .....	5/16" 7/16" 2 1/2"	6 x 3 1/2" - 38' 7 3/8"	24"	To L.D. BEAM.	
AFTER PEAK	" .....	5/16" 7/16" 2 1/2"	7 x 3 1/2" - 36' 7 3/8"	24"	To PEAK TOP.	
	" .....	5/16" 7/16" 2 1/2"	7 x 3 1/2" - 33' 7 3/8"	24"	To L.D.	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS

Plates, South Durham 5 + 2. 6 to 8. Rethlehem 5 to 6  
Sutton, Cape Hat Low 1 to 2. Dorman Long 1 to 2

Has the Steel been tested as required by the Rules? Yes

PROCESS ✓

Lloyd's Register  
Foundation



3/5 194160414  
E-EMING METAL

## PARTICULARS OF LONGITUDINAL FRAMING.

Rpt. No. 14179.

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam. Ins.	Spang. Ins.		Number.	Diameter. Inches.
Framing of L L or E .....													
Frames in Bridge 'tween Decks ...		7'	3'	3 1/8" J					3/4"	45"		7'	7 1/8"
Frames from Uppermost Continuous Deck No. 1		30' APART											
" 2													
" 3													
" 4													
" 5													
" 6													
" 7													
" 8													
" 9													
" 10													
" 11		12'	3 1/2'	50 J	12'	3 1/2'	50 J		7 1/8"	52"			
" 12		17'-58" 4" 4" 68			17'-58" 4" 4" 68 J				10 Rivets.				
" 13													
" 14													
" 15													
" 16													
Spacing of Longitudinal Frames		Amidships			At Ends								
		3'-0"			3'-0"								
		3'-0"			3'-0"								
Double Bottoms L, E or C		Tank Top Longitudinals			Bottom								
		✓			✓								
Spacing of Longitudinals		Amidships			At Ends...								
Transverses.		15' 38"											
Side (in 'tween Decks)		Depth and Thickness			3' 3' 38"				7 1/8"	3 1/2"			
		Face Angles			3 1/2' 3 1/2' 38"								
		Lugs to Shell*			3 1/2' 3 1/2' 38"								
Side (in Hold)		Depth and Thickness			37' 44' 51088				7 1/8"	3 1/2"			
		Face Angles			40 1/2' 44' 24"								
		Lugs to Shell*			37' 44' 51088								
Bottom		Depth and Thickness			6' 3 1/2' 56"								
		Face Angles			6' 6' 56"								
		Lugs to Shell*			3 1/2' 3 1/2' 7 1/6"								
		" " Back Bars			44"								
		Brackets			10'-4"								
Spacing of Transverse Frames		State if jogged or liners.											
Longitudinal Beams of L, E or C		Bridge Deck			5' 3' 3 1/8" J				3'-0"		12'-7 1/6" 4" 4" 60 J		
		Upper			9' 3 1/2' 7 1/6" J				3'-0"		28'-42" 6' 3 1/2' 56 1/2"		
		Second			✓								
		Third			✓								

The particulars of framing in peaks (if ordinary), Floors, Centre Girders, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.



ANCHORS. 23. 15.

## HAWSERS AND WARPS.

0131  $\frac{3}{2}$



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.)

Sister vessels built by Harland & Wolff S.B.C.L.

Cert. No.	Length	Dia.	Stat. Test	Breaching Test	Weight	When & Where Tested	No.	Rep. No.	Name
116533	15	2 1/2	113.8	159.3	36-0-16	Humbly Grove 13-9-41. JAR.	No 325	16969	EMPIRE GOLD.
116534	.	.	.	.	36-1-0	.	No 326	17010	EMPIRE GRANITE.
116535	.	.	.	.	36-0-0	.	No 327	17038	EMPIRE OIL
116077	.	.	.	.	36-3-7	4-4-41. JAR.	No 328	17054	EMPIRE MICA.
116078	.	.	.	.	36-3-14	"	No 329	17081	EMPIRE SAPPHIRE.
116079	.	.	.	.	36-3-21	.	No 330	17097	EMPIRE AMETHYST.
116080	.	.	.	.	36-2-21	.	No 334	17123	EMPIRE EMERALD.
116081	.	.	.	.	37-0-11	.	No 335	17164	EMPIRE CBLT.
116082	.	.	.	.	36-2-7	.			
116083	.	.	.	.	37-0-3	.			
116084	.	.	.	.	36-2-7	.			
116085	.	.	.	.	36-3-7	.			
116086	.	.	.	.	36-3-21	.			
116087	.	.	.	.	36-3-7	.			
116088	.	.	.	.	36-3-21	.			
116089	.	.	.	.	37-1-12	.			
116090	.	.	.	.	37-0-5	.			
116091	.	.	.	.	38-0-19	.			
116092	.	.	.	.	37-3-12	.			
116532	15	2 1/2	113.8	159.3	35-3-23	Humbly Grove 13-9-41. JAR.			
Total					736-3-10				

PARTICULARS OF ELECTRIC WELDING (if employed)

Rudder electrically welded. Quayside electrodes.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book 100 A.I. Carrying petroleum in bulk.

Longitudinal framing at bottom, and at decks, cruiser stern, Machinery aft. Echo sounding Direction finding apparatus.

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

1st Bower 43-1-26 J.D. N° 3397 15-11-40  
2nd " 44-0-12 A.E.G. N° 3203 23-8-40  
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 105'33" ft., R.Q.D. ✓ ft., Bridge 43'16" ft., Forecastle 38'2" ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 168248 Signal Letters Extreme Breadth over Belting ✓ Over-all Length 479'02"  
No. and Material of Decks 10" (S.S.) 2" D (S.S.) CLEAR OF OIL TANKS.  
Parts of Bottom of Vessel coated with cement or approved composition AS BELOW.

Particulars of composition (if fitted) and of approval FORE- & AFTER PEAK TANKS, FEED TANK, & CORRUGATIONS IN S.S. CEMENT IN BOTTOM & CEMENT WASHED. PUMP ROOM COATED WITH GRAPHITE BELOW PLATFORM PAINTED REDDIE, REMAINDER OF TANKS INCLUDING CARGO TANKS LEFT BARE.

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,			Fore peak tank,	23'5"	140 ✓
Double bottom, under Engines and Boilers,			After peak tank,	16'0"	78 ✓
Double bottom, if under Engines only,	38'3"	95	Deep tank, aft,		
Double bottom, if under Boilers only,	43'11 1/2"	279	Deep tank, forward,	32'0"	664 ✓
Double bottom, forward,	2'6 3/4"		Other tanks, if fitted,		
Total length (if continuous) and Capacity	84'8 1/2"	374 ✓	(If necessary, furnish further information by sketch.)		
		567 85'0" ✓			

Order for Special Survey No. 1531.

Date 13/3/40.

Dates of Surveys held while building

1941 Jan. 23. March 4. 18. 27. Apr. 22. 25. May 2. 16. 25. July 2. 14. 31. Aug. 5. 7. 28. Sept. 3. 5. 17.  
29. Oct. 1. 3. 6. 8. 10. 13. 15. 20. 21. 22. 24. 28. 31. Nov. 3. 5. 10. 12. 13. 18. 20. 28. Dec. 4. 10. 18. 19. 22. 24. 29. 31.  
1942 Jan. 6. 9. 10.

Total No. of Visits 52