

STEEL STEAMER OR MOTORSHIP

Received at London Office 26 SEP 1941

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 20th Sept. 1941.Port of *West Hartlepool*

No. 18194

Survey held at *West Hartlepool*Date First Survey 5th FebruaryLast Survey 17th September 1941

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

Single Screw. "EMPIRE WOLFE"

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

*Full Scantling*State Type of Erections *P.B. & F.*

TONNAGE under Tonnage Deck... 2530.76

CLASS *+ 100 A.1.*

State if with freeboard as condition of Class

No.

Built at *West Hartlepool*

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)

FEET.

L 310'-0"

Launched 26th July 1941 Yard No. 1119.

Total

Breadth (greatest moulded)

B

46'-4"

Builders *Wm. Gray & Co. Ltd.*

Gross Tonnage

2873.42

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

D

25'-2"

Owners *Ministry of Shipping*

Register Tonnage

1684.56

1st Longitudinal Number (L x D) $310 \times 24.5 =$

7595

Managers *Fredrick Jones & Co.*2nd Numeral L x (B + D) $310 \times (46.33 + 24.5) =$

21957

(Where necessary to be entered in Reg. Book)

Residence

Cardiff

REGISTERED DIMENSIONS.

FEET.

Length

315.4

Breadth

46.55

Depth

23.0

Framing Depth "d," at middle of length. See Sec. 3 (1d) $24.5 - 3.0 =$

21.42

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

3/10

12.65

Do. Long Bridge to top of keel

3/10

9.25

Draught Moulded

20'-8 1/4"

If surveyed while building, afloat, or in dry dock

Building, afloat, & in dry dock.

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	24	✓	Bracket Floors, Frame	✓	
" " from 3/4 length amidships to Collision bulkhead	24	✓	" " Reversed Frame	✓	
" " in peaks	24	✓	" " Vertical Struts	✓	
DE FRAMING.			Centre Girder, depth and thickness amidships	34" x 46	✓
Frame Amidships, Angle, E or F	10 3 1/2 7/16	✓	" " top Angles	3 3 3/8	✓
" " Extends up to	9 alternate to Bridge deck in way of bridge	✓	" " bottom Angles	3 1/2 3 1/2 7/16	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1-5 6 x 3 1/2 x 7/16	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	29 1/2 x 42	✓
Depth of Framing Girder	10"	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 3/8	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	5 5 3/8	✓
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	34 Continuous alternate	✓
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area Coll. Bld.	34 Continuous every	✓
" " from 1/4 len. for'd. to 15% len. from Stem	12 3 1/2 9/16	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	59" x 38	✓
" " in Peaks, Angle or F	7 3 3/32	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 5/4"	✓	Breadth and thickness of Middle Line Strake	65 1/2 x 40 1/4 under hatch	✓
State if Frame Joggled	Yes	✓	Thickness of remainder in Holds	35 and 43 under hatch	✓
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?	Yes	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	BEAMS.		
ANGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	6 3 1/2 7/16	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or F	7 3 3/32	✓
Height of Brackets at side above base line at toe of frame			Spacing	Every.	✓
Middle Line Keelson, on Floors, Angles, E or F			Second Deck, amidships, Angle, E or F	✓	
" " Through Plate or Intercoastal Plate			Spacing	✓	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or F	✓	
" " Flat Plate Keel Angles			Spacing	✓	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or F	✓	
" " thickness of Intercoastal Plate			Spacing	✓	
" " Angles			Poop Deck, Angle, E or F	6 3 1/2 5/16	✓
DOUBLE BOTTOM.			Spacing	Every	✓
Solid Floors, thickness and spacing	3/4 every	✓	Bridge Deck, Angle, E or F	7 3 3/32 and 6 3 1/2 5/16	✓
" " Are Frame and Reversed Frame joggled?	Yes	✓	Spacing	Every	✓
Bracket Floors, breadth and thickness at middle line	None	✓	Forecastle Deck, Angle, E or F	7 3 3/32 and 6 3 1/2 5/16	✓
" " breadth and thickness at margin plate	None	✓	Spacing	Every	✓

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	✓			
„ „ „ „ „	✓				Thickness of Plating abreast Deck openings in way of Bridge	✓			
„ in Holds „ „	one row as approved				Thickness of Plating within line of openings...	✓			
Centre Line Bulkhead.					If Sheathed, material and thickness	✓			
Stiffeners and Spacing.....	✓				Third Deck.				
Plating, thickness of	✓				Stringer Plate, breadth and thickness.....	✓			
STRINGERS AND DECKS.					If Plated, state thickness.....	✓			
Uppermost Continuous Deck.					Fourth Deck.				
Stringer Plate, breadth and thickness in Wells	83½ x .65	✓			Stringer Plate, breadth and thickness.....	✓			
„ „ „ „ in way of Bridge	.40	✓			If Plated, state thickness	✓			
„ Angle in Wells	6 6 .65	✓			Poop Deck.				
Thickness of Plating abreast Deck openings in way of Wells .....	.65	✓			Stringer Plate, breadth and thickness .....	.35	✓	30 x .32	see last approved plan
Thickness of Plating abreast Deck openings in way of Bridge .....	.35 + .30	✓			Plating, Sheathing, material and thickness ...	.30 + .25	✓		
Thickness of Plating within line of openings...	.40 .35 .30	✓			Bridge Deck.				
If Sheathed, material and thickness	none	✓			Stringer Plate, breadth and thickness.....	65½ x .40	✓	see plan	
Second Deck.					Plating, Sheathing, material and thickness ...	.35	✓		
Stringer Plate, breadth and thickness in Wells...	✓				Forecastle Deck.				
					Stringer Plate, breadth and thickness.....	.35	✓		
					Plating, Sheathing, material and thickness ...	.30 + .35	✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		RIVETS.		RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.		No. OF ROWS OF RIVETS.		Diam.	Spacing or to cr.
FLAT PLATE KEEL	46½	.65	.59	.59		Double	7/8 3½	Double	7/8 3½	lapped	
„ DBLG. (if any)											
BOTTOM PLATING, No. of Strakes .....		.50	.42	.42		Double	¾ 3	Double	¾ 2 5/8	"	
BILGE PLATING, No. of Strakes .....		.50	.42	.42		Double	¾ 3	Double	¾ 2 5/8	"	
SIDE PLATING, No. of Strakes .....		.50	.40	.40		Double	¾ 3	Double	¾ 2 5/8	"	
UPPER DECK, Sheer-strake in Wells.....	.65	.65	.40	.40				Quad	7/8 3½	"	
UPPER DECK, Sheer-strake in Bridge ...		.50				upper seam } Single	¾ 3	Double	¾ 2 5/8	"	
STRAKE BELOW Sheer-strake in Wells.....		.55	.40	.40		Double	7/8 3½	Double	7/8 3½	"	
STRAKE BELOW Sheer-strake in Bridge ...		.50				Double	¾ 3	Double	¾ 2 5/8	"	
POOP SIDE PLATING .....			.35 + .33			Single	¾ 3	Single	¾ 2 5/8	"	
BRIDGE SIDE PLATING ...		.45 + .50				Single	¾ 3	Double	¾ 2 5/8	"	
FORECASTLE SIDE PLATING			.38			one plate in depth lower seam	¾ 3	Single	¾ 2 5/8	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	5 ✓
„ Deck next below	—
As per Rule	5. ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM	rolled bar	8¼ x 2¼		✓
STERN FRAME	Propeller Post	Forged Iron 9¼ x 6	C.M.E.W.	
	Rudder	" 9¼ x 6	"	
Speed of Vessel	under 12 knots	(10½)		✓
RUDDER—Type	ordinary			✓
„ A x D	270.6			✓
„ Diam. of head	Forged Iron 8½	C.M.E.W.	8½ plus 10% material in area	✓
„ Mainpiece at top pintle	" 8½	"		✓
„ „ heel ...	" 6½			✓
„ how constructed	arms keyed to mainpiece			✓
„ double or single plate coupling, vertical or horizontal	Single			✓
	Horizontal			✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
„ „ Second „					
„ „ Third „					
„ „ Holds .....	.44 .40 .25	10 x 3½ x 50	33		
COLLISION „ (in Hold) .....	.46 .26	7 x 3 x 33	24	Semi box beam	
AFTER PEAK „ „ .....	.46 7/8 .30	7 x 3 x 33	26½	" " "	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	South Durham S & I Co. Borman Long & Co. Cargo Fleet Iron Co. Consett Iron Co. Skinningrove Iron Co. American Steel.
	Has the Steel been tested as required by the Rules? Yes ✓

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.)

Plans showing Vessel as built should be forwarded and a List of

Approved plans + forging reports herewith.

PARTICULARS OF ELECTRIC WELDING (if employed)

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

Cruiser Stern, Lloyd A.C.P. Cargo battens not fitted. Notation regarding Equipment
1 deck steel. 5 Bulkheads. D.F.

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

1st Bower
2nd "
3rd "

Weight and pins
28-3-7
28-2-7

Surveyor
J.T.
J.T.

No of Certificates
3643
3626

Date of Test
20.12.40
16.12.40.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.7 ft., R.Q.D. ✓ ft., Bridge 82.0 ft., Forecastle 33.5 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated not joined

Official No. 168930 Signal Letters ✓ Extreme Breadth over Belting (Circ. 1811) ✓ Over-all Length 327.9 (Circ. 1703)

No. and Material of Decks 1 deck steel.

Parts of Bottom of Vessel coated with cement or approved composition F+A Peake, E+Blr D.B tank + bilge cemented
Remainder of Tanks - Cement Jetties.

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.	S.W. Water Capacity. Tons.	Where Fitted.	Length. Feet.	S.W. Water Capacity. Tons.
Double bottom, aft,	106.0	228	Fore peak tank,	16.3	59
Double bottom, under Engines and Boilers,			After peak tank,	18.0	117.
Double bottom, if under Engines only, F.W. tank	20.0	67	Deep tank, aft,		
Double bottom, if under Boilers only,	18.0	dry tank	Deep tank, forward,		
Double bottom, forward,	126.0	334	Other tanks, if fitted,		
Total length (if continuous) and Capacity	✓ 270	629	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2435

Date. 10/12/40

Dates of Surveys held while building

Feb. 5.17.24. March 17.20. April 1.8.15.16.22.24. May 6. June 4.9.10.20.25.27.30. July 1.2.3.4.8.10.11.14.15.17.19.23.25.26.30.31. August 3.7.18.20.23. Sept. 1.2.3.4.5.8.9.10.11.12.13.15.16.17.

Lloyd's Register Foundation
Total No. of Visits 54