

State of Report has been sent on the Freeboard of the Vessel *Yes*State of Report is sent on the Machinery of the Vessel *Yes*Date of completion of report *8-4-43*Port of *West Hartlepool*No. *18404*Survey held at *West Hartlepool*Date First Survey *8th July 1942*

Last Survey

12th April 1943

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

*S.S. "EMPIRE PROWESS"**(MACHINERY AMIDSHIPS)*

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

COMPLETE SUPERSTRUCTURE WITHOUT TONNAGE OPENINGS

State Type of Erections

FOCLE

TONNAGE under Tonnage Deck...

*6571.98*CLASS *A 100 A1.*State if with freeboard as condition of Class *Yes*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 post on summer L.W.L. See Sec. 3 (1a)

*L 425'-0"*Launched *6-2-43*Yard No. *1142*

Total

Breadth (greatest moulded)

*B 56'-0"*Builders *Wm Gray & Co Ltd.*

Gross Tonnage

7057.97

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

*D 37'-8"*Owners *Ministry of War Transport.*

Register Tonnage

*4855.22*1st Longitudinal Number (L x D) = *15194*Managers *Joseph E. Murrell & Son*
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) = *38994*REGISTERED DIMENSIONS.
FEET.Length *431.5*

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

23.3

Residence

Breadth *56.2*

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

*11.27*Port of Registry *West Hartlepool.*Depth *35.2*

Draught Moulded

26'-7 1/2"

If surveyed while building, afloat, or in dry dock

while 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	31	✓	Bracket Floors, Frame	✓	
" " from 3/8 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	✓	
" " in peaks	24	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 .54	✓
Frame Amidships, Angle, <i>E or F</i>	12 3 1/2 9/16	✓	" " top Angles	3 1/2 3 1/2 .48	✓
" " Extends up to <i>2nd deck & upper dk</i>	<i>alternately</i>	✓	" " bottom Angles	4 4 .54	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	<i>24 x 3 x .42</i> <i>15 6 x 3 1/2 x .42</i>	✓ <i>Plate girders in mach. space & fwd of 1/2 L</i>
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	36 .54	✓
Depth of Framing Girder	12"	✓	" " Vertical Angle to Tank side	6 6 .44	✓
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	12 3 1/2 9/16	<i>alt.</i> ✓	" " Bracket abaft 1/2 len. from stem <i>panting area</i>	6 6 .44	✓
" " Second 'tween Decks, Angle, <i>E or F</i>	✓		" " Vertical Angle to Tank side	6 6 .44	<i>dbl.</i> ✓
" " Third " " " "	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	Continuous .42	✓
" " from 1/2 len. for'd. to 15% len. from Stem	12 3 1/2 9/16	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	Continuous .42	✓
" " in Peaks, Angle, <i>E or F</i>	8 3 1/2 .35	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	Continuous .42	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 3 1/2 7 on bottom 3 5/8 6 5/16 on sides	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	94 7/8 .44	✓
State if Frame Joggled	<i>Yes</i>	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</i>	✓	Breadth and thickness of Middle Line Strake	71 3/4 .50	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes</i>	✓	Thickness of remainder in Holds	.44 (.52 under hatches)	✓
SINGLE BOTTOM.			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>	✓
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i>	8 3 1/2 .42	✓
Middle Line Keelson, on Floors, Angles, <i>E or F</i>			" " in way of Bridge, Angle, <i>E or F</i>	✓	
" " Through Plate or Intercoastal Plate			Spacing	31	✓
" " Foundation Plate on Floors			Second Deck, amidships, Angle, <i>E or F</i>	9 3 1/2 .38	✓
" " Flat Plate Keel Angles			Spacing	31	✓
Side Keelsons, No. each side			Third Deck, amidships, Angle, <i>E or F</i>	✓	
" " thickness of Intercoastal Plate			Spacing	✓	
" " Angles			Fourth Deck, amidships, Angle, <i>E or F</i>	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	<i>Every</i> .42	✓	Poop Deck, Angle, <i>E or F</i>	✓	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>	✓	Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		Bridge Deck, Angle, <i>E or F</i>	✓	
" " breadth and thickness at margin plate	✓		Spacing	✓	
			Forecastle Deck, Angle, <i>E or F</i>	9 3 1/2 .42	✓
			Spacing	6 3 .44	✓
				27 x 24	✓

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		36	✓	
„ „ „ „ „					Thickness of Plating abreast Deck openings in way of Bridge		✓		
„ in Holds „ „					Thickness of Plating within line of openings...		34	✓	
„ „ „ „ „					If Sheathed, material and thickness		none	✓	
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.....	12	3 1/2	7/16	✓	Stringer Plate, breadth and thickness.....		✓		
Plating, thickness of		alternate	30	✓	If Plated, state thickness.....		✓		
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....		✓		
Stringer Plate, breadth and thickness in Wells	65 5/8	.65	✓		If Plated, state thickness		✓		
„ „ „ „ in way of Bridge	✓				Poop Deck.				
„ Angle in Wells	6	6	.60	✓	Stringer Plate, breadth and thickness		✓		
Thickness of Plating abreast Deck openings in way of Wells .....	.60	8	.55	✓	Plating, Sheathing, material and thickness ...		✓		
Thickness of Plating abreast Deck openings in way of Bridge	✓				Bridge Deck.				
Thickness of Plating within line of openings...		.40	✓		Stringer Plate, breadth and thickness.....		✓		
If Sheathed, material and thickness	none		✓		Plating, Sheathing, material and thickness ...		✓		
Second Deck.					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...	82 3/4	.38	✓		Stringer Plate, breadth and thickness.....		36	✓	
					Plating, Sheathing, material and thickness ...	unheated	32	✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>no</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	54	.80	.70	.70		Double	7/8	3 1/2	Treble	7/8	4	Double straps
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes ... A	A	.65	.50	.50		Double	7/8	3 1/2	Quad.	7/8	3 1/2	lapped
BILGE PLATING, No. of Strakes 1	B	.60	.70			„	7/8	3 1/2	Quad	7/8	3 1/2	inside straps
SIDE PLATING, No. of Strakes 2	C	.65	.60			„	7/8	3 1/2	Treble	7/8	3 5/32	lapped
UPPER DECK, Sheer-strake in Wells.....	E	.64	.50	.50		„	7/8	3 1/2	Quad	1	4	lapped
UPPER DECK, Sheer-strake in Bridge ...	F	.60										
STRAKE BELOW Sheer-strake in Wells.....	G	.60	.45	.45		Double	7/8	3 1/2	Treble	7/8	3 5/32	lapped
STRAKE BELOW Sheer-strake in Bridge ...	H	.65										
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FORECASTLE SIDE PLATING			.40			Single	3/4	3	Single	3/4	2 5/8	lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c) } <i>collision bhd to weather dk.</i>	
„ Deck next below } <i>6 watertight bhd to 2nd deck</i>	
As per Rule 7 } <i>6 divisional W.T. bhd in tween dks.</i>	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		✓		
STEM		rolled bar		
STERN FRAME { Propeller Post	Forged	10 1/2 x 8	CMEN	
„ { Rudder „	iron	10 1/2 x 8		
Speed of Vessel		10 1/2 K		
RUDDER—Type		Ordinary		
„ A x D		604		
„ Diam. of head	Forged	11 7/8	CMEN	
„ Mainpiece at top pintle	iron	11 7/8		
„ „ heel ...		8 7/8		
„ how constructed	Alms	keyed to mainpiece		
„ double or single plate	single			
„ coupling, vertical or horizontal	vertical			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	.26	5 x 3 x .42	30		
„ „ Second „		✓			
„ „ Third „		✓			
„ „ Holds .....	.39	26 1/2 x 3 1/2 x .45	30		
COLLISION „ (in Hold) .....	.53	29 1/2 x 6 x 3 x .30 A	24		
AFTER PEAK „ „	.48	75 1/2 x 30 1/2 x 3 x .30 A	24		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>open hearth</i>
	<i>Borgo Fleet Iron Co Ltd. Skinningrove Iron Co Ltd. Dorman Long & Co Ltd</i>
	<i>South Durham S & I. Co. Ltd. Bonsett Iron Co Ltd</i>
	Has the Steel been tested as required by the Rules? <i>Yes</i> ✓

ANCHORS.

HAWSERS AND WARPS.

Write ~~in~~ *the*

Forging reports enclosed.

This vessel is of the fabricated "B" type design similar to the "Empire Mortimer" (William Gray & Co Ltd. Yard No 1141) & previous vessels.

The vessel was wholly constructed by William Gray & Co Ltd, no pre-fabricated material being used.

Hatch covers fitted to all 2nd deck hatchways (See Log memorandum 6.4.43)

Closing of openings in divisional watertight bulkheads in tween decks.

The access and tonnage openings in bulkheads 133, 109, 57 & 34 are closed by riveted watertight steel plates.

The openings in bulkheads 14 & 87 are closed by hinged watertight steel doors operated from both sides.

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. Lloyds A & B.P. 2 decks. D.F. Cargo battens not fitted. Notation about equipment. E.S.D. Collision bulkhead to weather deck. 6 bulkheads to 2nd deck. 6 divisional W.T. bulkheads in tween decks. with freeboard.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	weight incl. pins	Surveyors initials	No of cert	Date of test.
	2nd "	42-3-11	J.D.	3927	8-1-42
	3rd "	42-2-17	J.D.	3928	8-1-42

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 39'5" ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated Not on upper deck

Official No. 168954 Signal Letters Extreme Breadth over Belting Over-all Length 446'4" (Circ. 1611) (Circ. 1703)

No. and Material of Decks Two decks - steel. Parts of Bottom of Vessel coated with cement or approved composition F & A Peaks & double bottom under boilers cemented. Remainder of tanks - cement fillets.

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.
Double bottom, aft, tank incl. in deep tank aft.	Feet.	S.W. Tons.	Fore peak tank,	Feet.	S.W. Tons.
Double bottom, under Engines and Boilers,	62.0	226	After peak tank,	21.5	119
Double bottom, if under Engines only,	46.5	217	Deep tank, aft,	18.0	112
Double bottom, if under Boilers only,			Deep tank, forward,	49.08	338
Double bottom, forward,	209.7	821	Other tanks, if fitted, Wing tanks in mach space	14.0	248
Total length (if continuous) and Capacity	318.2	1264	(If necessary, furnish further information by sketch.)	23.25	398

Order for Special Survey No 2458

Date 15/3/42

Dates of Surveys held while building

1942. July 8.13.23.29. August 6.11.17. Sept 9.21.24. Oct 1.5.6.8.9.13.19.20.21.22.23.27.30. Nov 2.5.9.16.26.30. Dec. 10.14.20.31. 1943. Jan. 5.7.8.11.12.14.15.18.19.23.24.27.29. Feb 1.3.5.6.8.9.12.19.22.23. March 3.4.9.11.16.18.19.23.24.26.29.30.31. April 1.2.3.4.5.12.

Total No. of Visits 75