

## STEEL STEAMER or MOTORSHIP.

Received at London Office 28 OCT 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 *25<sup>th</sup> October 1941* Port of *West Hartlepool* No. *18204*  
Survey held at *West Hartlepool* Date First Survey *10<sup>th</sup> December, 1940* Last Survey *21<sup>st</sup> October, 1941*On the *Single Screw* *"EMPIRE PARSONS"* machinery *amidships*  
State Type *Complete Superstructure without Tonnage opening* State Type of Erections *Forecastle*

TONNAGE under Tonnage Deck... *6292.95* CLASS *+100A-1* 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 most on summer L.W.L. See Sec. 3 (1a) *L 414'-0"* Launched *23<sup>rd</sup> Aug 1941* Yard No. *1121*

Total *-* Breadth (greatest moulded) *B 56'-6"* Builders *Wm Gray & Co Ltd.*

Gross Tonnage *6742.15* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 36'-4"* Owners *Ministry of War Transport*

Register Tonnage *4841.71* 1st Longitudinal Number (L x D) *= 14835* Managers *J. Morrison & Son*  
(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D) *= 38226* Residence *Newcastle*

REGISTERED DIMENSIONS. FEET Length *419.2* Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.25* Port of Registry *West Hartlepool*

Breadth *56.7* Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.39* If surveyed while building, afloat, or in dry dock

Depth *33.9* Draught Moulded *26'-4 1/2"* *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.
<b>FRAMES, Spacing amidships</b> .....	<i>30"</i> ✓		<b>Bracket Floors, Frame</b> .....	<i>6 3 1/2 3/8</i> ✓	
" " from 1/2 length amidships to Collision bulkhead.....	<i>27"</i> ✓		" " Reversed Frame.....	<i>6 3 1/2 5/16</i> ✓	
" " in peaks.....	<i>24"</i> ✓		" " Vertical Struts.....	<i>6 3 1/2 3/8</i> ✓	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	<i>43"x54"</i> ✓	
Frame Amidships, Angle, [ or ].....	<i>12"x4"x4"x16" to second dk and to upper deck at hatch and beams</i> ✓		" " top Angles.....	<i>4 4 1/2</i> ✓	<i>3 1/2 x 3 1/2 x 1/2</i> ✓
" " Extends up to.....	✓		" " bottom Angles.....	<i>4 4 9/16</i> ✓	
Reversed Frame Amidships, Angle.....	✓		<b>Side Girders, No. each side and thickness</b> .....	<i>1 at 38</i> ✓	
" " Extends up to.....	✓		<b>Margin Plate depth (excl. of flange) and thickness</b> .....	<i>39"x54"</i> ✓	
Depth of Framing Girder.....	<i>12"</i> ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem.....	<i>6 6 1/2</i> ✓	
Frames in Uppermost Continuous Decks, Angle, [ or ].....	<i>6 3 1/2 5/16</i> ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area.....	<i>6 6 1/2</i> ✓	
" " Second Tween Decks, Angle, [ or ].....	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	<i>22"x42"</i> ✓	
" " Third " " ".....	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area.....	<i>29"x42" continuous in No 1 Hold</i> ✓	
" " from 1/4 len. for'd. to 15% len. from Stem.....	<i>12"x4"x4"x16"</i> ✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	<i>68"x48"</i> ✓	
" " in Peaks, Angle or [.....	<i>8 3 1/2 3/8</i> ✓		<b>INNER BOTTOM PLATING.</b>		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships.....	<i>Sides 7/8-5 1/2"</i> ✓		Breadth and thickness of Middle Line Strake.....	<i>77"x60"x52"</i> ✓	
State if Frame Joggled.....	<i>Yes</i> ✓		Thickness of remainder in Holds.....	<i>44 and 45</i> ✓	
Are the scantlings and arrangements in the Panting Area 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?.....	<i>Yes</i> ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	<i>Yes</i> ✓		<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ].....	<i>10 3 1/2 7/16</i> ✓	<i>Thrs'</i> ✓
Floors, Depth and thickness at mid-line in Holds.....			" " in way of Bridge, Angle, [ or ].....	<i>8 3 1/2 7/16</i> ✓	<i>Half</i> ✓
Height of Brackets at side above base line at toe of frame.....			Spacing.....	<i>Every</i> ✓	
Middle Line Keelson, on Floors, Angles, [ or ].....			<b>Second Deck, amidships, Angle, [ or ].....</b>	<i>12 3 1/2 45</i> ✓	<i>Thrs'</i> ✓
" " Through Plate or Intercoastal Plate.....			Spacing.....	<i>9 3 1/2 3/8</i> ✓	<i>half</i> ✓
" " Foundation Plate on Floors.....			<b>Third Deck, amidships, Angle, [ or ].....</b>	✓	
" " Flat Plate Keel Angles.....			Spacing.....	✓	
<b>Side Keelsons, No. each side</b> .....			<b>Fourth Deck, amidships, Angle, [ or ].....</b>	✓	
" " thickness of Intercoastal Plate.....			Spacing.....	✓	
" " Angles.....			<b>Poop Deck, Angle, [ or ].....</b>	✓	
<b>DOUBLE BOTTOM.</b>			Spacing.....	✓	
Solid Floors, thickness and spacing.....	<i>42 at 60"</i> ✓		<b>Bridge Deck, Angle, [ or ].....</b>	✓	
" " Are Frame and Reversed Frame joggled?.....	<i>Yes</i> ✓		Spacing.....	✓	
Bracket Floors, breadth and thickness at middle line.....	<i>32 1/2 x 42</i> ✓		<b>Forecastle Deck, Angle, [ or ].....</b>	<i>8 3 1/2 7/16</i> ✓	
" " breadth and thickness at margin plate.....	<i>32 1/2 x 42</i> ✓		Spacing.....	<i>Every</i> ✓	



## 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, No. of Rows.....</b>	✓		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 .....	35 ✓	
„ „ „ „ „	✓		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 .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>	✓	
Stiffeners and Spacing.....	12 3½ .45 I at 60" ✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	.30 ✓		If Plated, state thickness.....	✓	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>	✓	
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	77 x .65 ✓		If Plated, state thickness .....	✓	
„ „ „ „ in way of Bridge	✓		<b>Poop Deck.</b>	✓	
„ Angle in Wells .....	6 6 5/8 ✓		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	.60 ✓		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	✓		<b>Bridge Deck.</b>	✓	
Thickness of Plating within line of openings...	.40 ✓		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness .....	✓		Plating, Sheathing, material and thickness ...	✓	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>	40 x .36 ✓	35 x .36 ✓
Stringer Plate, breadth and thickness in Wells...	77½ x .40 ✓		Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness ...	.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?	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 .....	52	.77	.67	.67		Double	7/8	3 1/2	Quad	1	4	lapped	
„ DBLG. (if any)			✓										
BOTTOM PLATING, No. of Strakes ..... 4		.60	.50	.50		Double	7/8	3 1/2	Triple	7/8	3 1/8	lapped	
BILGE PLATING, No. of Strakes ..... 1		.60	.50	.50		Double	7/8	3 1/2	Triple	7/8	3 3/8	-	
SIDE PLATING, No. of Strakes ..... 4		.60	.46	.46		Double	7/8	3 1/2	Triple	7/8	3 3/8	-	
UPPER DECK, Sheer- strake in Wells.....	54	.68	.46	.46		✓	✓	✓	Quad	7/8	3 1/2	✓	
UPPER DECK, Sheer- strake in Bridge ...			✓			✓	✓	✓	✓	✓	✓		
STRAKE BELOW Sheer- strake in Wells.....	53	.65	.46	.46		Double	7/8	3 1/2	Quad	7/8	3 1/2	lapped	
STRAKE BELOW Sheer- strake in Bridge ...			✓						✓				
POOP SIDE PLATING .....			✓						✓				
BRIDGE SIDE PLATING ...			✓						✓				
FOREC'TLE SIDE PLATING			.42			Single	3/4	3	Single	3/4	2 7/8	lapped	

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 7 ✓

„ Deck next below ✓

As per Rule 7.

## FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c)		7 ✓				
" Deck next below		✓				
As per Rule		7.				
		STIFFENERS.				
Plating Thickness.		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper tween decks		26 ✓	6 x 3½ x ¾ A 30" ✓			
" " Second "						
" " Third "						
" " Holds 46-110-26 ✓			12 x 3½ x 45 D 30" ✓			
COLLISION " (in Hold) 51-30 ✓			9 x 3½ x 9/16 ✓	24" Semi box beams + Charin locker bottom ✓		
AFTER PEAK " 49-78-30 ✓			7 x 3 x 33 D 26 ✓	Semi box beams ✓		
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)						
STEEL. South Durham S & S Co. Lancashire Steel Co. Dorman Long & Co. Cargo Fleet I & S. Co. Skinningrove Iron Co. Consett Iron Co. American Steel. Has the Steel been tested as required by the Rules? Yes.						

KEEL, Bar					
STEM Rolled bar		10 x 2½ ✓			
STERN FRAME		Propeller Post forged iron 10½ x 7½ ✓	CMEW		
		Rudder " 10½ x 7½ ✓	"		
Speed of Vessel		11 knots ✓			
RUDDER—Type		ordinary ✓			
" A x D		504-8 ✓			
" Diam. of head		Forged Iron 11" ✓	CMEW	10½" + 10% in area ✓	
" Mainpiece at top pintle		" 11" ✓			
" " heel		" 8½ ✓			
" how constructed		CMEW keyed to mainpiece ✓			
" double or single plate		Single lip & bottom ✓			
" coupling, vertical or horizontal		horizontal ✓			







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.)

Forging reports attached. Sister Vessel:- William Gray & Co No 1118 — EMPIRE CABOT

PARTICULARS OF ELECTRIC WELDING (if employed)

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

2 decks. D.F. "Cargo battens not fitted" Notation about equipment. Wood hatch covers omitted on 2nd deck. "With freeboard" Collision Bhd to weather deck. 6 bhd to 2nd deck. 6 divisional W.T. Bhd in 'tween decks.

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

1st Bower  
2nd  
3rd

44-3-21  
45-0-14

J.D.  
J.D.

3557  
3554

26-2-41  
26-2-41

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 35-8 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 168931

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1703) 431-8

No. and Material of Decks 2. decks steel.

Parts of Bottom of Vessel coated with cement or approved composition Peaks & D.B. tank under boilers cemented, other D.B. tanks cement fillets

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,	132-5	406	Fore peak tank,	23 2/10	198
Double bottom, under Engines and Boilers,			After peak tank,	22	190
Double bottom, if under Engines only,	25-0	110	Deep tank, aft,		
Double bottom, if under Boilers only,	15-0	—	Deep tank, forward,		
Double bottom, forward,	192-5	686	Other tanks, if fitted,		
Total length (if continuous) and Capacity	365-0	1202	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2437

Date 10/12/40.

Dates of Surveys held while building

1940. Dec. 10. 12. 1941. Jan. 2. 10. 15. 27. Feb. 3. 7. 10. 18. 26. March 4. April 7. 9. 16. 17. May 7. 14. 27. June 6. 11. 14. 19. 23. 25. 27. 30. July 3. 4. 9. 15. 17. 21. 25. 31. August 1. 2. 8. 19. 27. Sept. 1. 17. 22. 25. 29. Oct. 1. 3. 8. 9. 10. 13. 15. 16. 17. 20. 21.

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