

## STEEL STEAMER or MOTORSHIP.

Received at London Office 23 JAN 1942

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 21<sup>st</sup> January 1942 Port of West Hartlepool No. 18228Survey held at West Hartlepool Date First Survey 17<sup>th</sup> June, 1941, Last Survey 15<sup>th</sup> January, 1942On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw* "EMPIRE PILGRIM" Machinery amidships.State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling* State Type of Erections *P.B.F.*TONNAGE under 2530.76  
Tonnage Deck...

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 post on summer L.W.L. See Sec. 3 (1a) L 310.0

Launched 20<sup>th</sup> Nov. 1941 Yard No. 1126

Total

Breadth (greatest moulded) B 46'-4"

Builders William Gray &amp; Co Ltd.

Gross Tonnage 2861.06

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

Register Tonnage 1711.36

1st Longitudinal Number (L x D)  $310 \times 24.5 = 7595$ 

Managers WING LINE LTD

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

2nd Numeral L x (B + D)  $310 \times (46.33 + 24.5) = 21957$ 

Residence CARDIFF

REGISTERED DIMENSIONS.  
FEET.

Length 315.4

Framing Depth "d," at middle of length. See Sec. 3 (1d)  $24.5 - 2.08 = 22.42$ 

21.42

Port of Registry West Hartlepool.

Breadth 46.55

Proportions—Depth to Length—Uppermost continuous deck to top of keel  $\frac{310}{24.5} = 12.65$  $\frac{310}{33.5} = 9.25$ 

If surveyed while building, afloat, or in dry dock

Depth 23.0

Draught Moulded 20'-8 1/2

Building, afloat &amp; 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 1/2 length amidships to Collision bulkhead	24	✓	" " Reversed Frame	✓	
" " in peaks	24	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	37" x 46	✓
Frame Amidships, Angle, E or F	10 3 1/2 7/16 to upper dck + alternate to Bridge deck in way of Bridge	✓	" " top Angles	3 3 3/8	✓
" " Extends up to		✓	" " bottom Angles	3 1/2 3 1/2 7/16	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1- 6 x 3 1/2 x 5/16 1- 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	34 alternate
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	34 continuous	34 every
" " from 1/4 len. for'd. to 15% len. from Stem	12 3 1/2 7/16	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	59 x 38	✓
" " in Peaks, Angle or E	7 3 33	✓	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 + 43 under hatches	✓
State if Frame Joggled	Yes	✓	Thickness of remainder in Holds	35 and 43 under hatches	✓
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.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	6 3 1/2 5/16	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or F	7 3 33	✓ almost casings
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	34 every	✓	Bridge Deck, Angle, E or F	7 3 33 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 33 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.
<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 .....	✓	
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
„ in Holds „ „	one row as approved ✓		Thickness of Plating within line of openings...	✓	
„ „ „ „ „			If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	✓		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	83½ x .65 ✓		If Plated, state thickness .....	✓	
„ „ „ „ in way of Bridge	.40 ✓		<b>Poop Deck.</b>		
„ Angle in Wells .....	6 6 .65 ✓		Stringer Plate, breadth and thickness .....	35 ✓	as after plan 30 x 32
Thickness of Plating abreast Deck openings in way of Wells .....	.65 ✓		Plating, Sheathing, material and thickness ...	30 + .25 ✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	.35 + .30 ✓		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.40 .35 .30 ✓		Stringer Plate, breadth and thickness.....	65½ x .40 ✓	see plan
If Sheathed, material and thickness .....	none ✓		Plating, Sheathing, material and thickness ...	.35 ✓	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	✓		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. 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 .....	<i>46½</i>	<i>.65</i>	<i>.59</i>	<i>.59</i>		<i>Double</i>	<i>7/8</i>	<i>3½</i>	<i>Triple</i>	<i>7/8</i>	<i>3½</i>	<i>lapped</i>
„ DBLG. (if any)		<i>✓</i>										
BOTTOM PLATING, No. of Strakes ..... <i>3</i> .....		<i>.50</i>	<i>.42</i>	<i>.42</i>		<i>Double</i>	<i>¾</i>	<i>3</i>	<i>Triple</i>	<i>¾</i>	<i>2½</i>	<i>lapped</i>
BILGE PLATING, No. of Strakes ..... <i>1</i> .....		<i>.50</i>	<i>.42</i>	<i>.42</i>		<i>Double</i>	<i>¾</i>	<i>3</i>	<i>Triple</i>	<i>¾</i>	<i>2½</i>	<i>lapped</i>
SIDE PLATING, No. of Strakes ..... <i>2</i> .....		<i>.50</i>	<i>.40</i>	<i>.40</i>		<i>Double</i>	<i>¾</i>	<i>3</i>	<i>Triple</i>	<i>¾</i>	<i>2½</i>	<i>lapped</i>
UPPER DECK, Sheer- strake in Wells.....	<i>65</i>	<i>.65</i>	<i>.40</i>	<i>.40</i>					<i>Quad</i>	<i>7/8</i>	<i>3½</i>	<i>"</i>
UPPER DECK, Sheer- strake in Bridge ...		<i>.50</i>				<i>upper seam. Single</i>	<i>¾</i>	<i>3</i>	<i>Quad Triple see plan</i>	<i>¾</i>	<i>2½</i>	<i>"</i>
STRAKE BELOW Sheer- strake in Wells.....		<i>.55</i>	<i>.40</i>	<i>.40</i>		<i>Double</i>	<i>7/8</i>	<i>3½</i>	<i>Triple</i>	<i>7/8</i>	<i>3½</i>	<i>"</i>
STRAKE BELOW Sheer- strake in Bridge ...		<i>.50</i>				<i>Double</i>	<i>¾</i>	<i>3</i>	<i>Triple</i>	<i>¾</i>	<i>2½</i>	<i>"</i>
POOP SIDE PLATING .....				<i>.354-33</i>		<i>Single</i>	<i>¾</i>	<i>3</i>	<i>Single</i>	<i>¾</i>	<i>2½</i>	<i>"</i>
BRIDGE SIDE PLATING ...		<i>.454-50</i>				<i>Single</i>	<i>¾</i>	<i>3</i>	<i>Triple</i>	<i>¾</i>	<i>2½</i>	<i>"</i>
FOREC'TLE SIDE PLATING			<i>.38</i>			<i>one plate in depth lower 3 Single seams</i>	<i>¾</i>	<i>3</i>	<i>Single</i>	<i>¾</i>	<i>2½</i>	<i>"</i>

## 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.
<b>KEEL, Bar .....</b>				
<b>STEM .....</b>	rolled bar	8½ x 2¼ ✓		
<b>STERN FRAME</b> { Propeller Post forged iron 9¼ x 6 ✓ C.M.E.W.				
{ Rudder „ „ 9¼ x 6 ✓ „				
<b>Speed of Vessel.....</b>	10¼ knots ✓			
<b>RUDDER—Type.....</b>	ordinary ✓			
„ A x D .....	270 .6 ✓			
„ Diam. of head forged iron 8½ ✓ C.M.E.W. 8½ + 10% in area				
„ Mainpiece at top pintle „ 8½ ✓				
„ „ heel ... 6½ ✓				
„ how constructed .....	arms keyed to mainpiece			
„ double or single plate single ✓				
„ coupling, vertical or horizontal horizontal ✓				

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D, Upper tween decks</b>					
„ „ Second „					
„ „ Third „					
„ „ Holds .....	.44-40 .25 ✓	10 x 3½ x .50 ✓	33 ✓		
<b>COLLISION</b> „ (in Hold) .....	.46-26 ✓	7 x 3 x .33 ✓	24 ✓	Semi br beams	
<b>AFTER PEAK</b> „ „ .....	.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) open hearth ✓  
 South Durham S & I Co., Dorman Long & Co., Cargo Flat Iron Co., Consett Iron Co.,  
 Skinning iron Iron Co., American Steel.  
 Has the Steel been tested as required by the Rules? Yes ✓



EQUIPMENT No 23209										LETTER <i>u</i>	ANCHORS.
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Where and when tested and Superintendent.
41359	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
41360	2nd "	45	2	-	Stockless			39	11	1	0
	3rd "	45	0	21	"			39	8	0	14
	Collective weight.										
54203	Stream	12	1	4	3	0	10	14	1	3	14

CHAIN CABLES.										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.	Statu- ing.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Owts. grs. lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
64394	119	1 15/16	64 1/2	94 1/2	223.3.9	425 5/8 for 225 lbs	225	1 15/16	Slid	Kendrick + Moh	CH 10/12/41 L2 Paul.	TOWLINE...	100	4	44.9	100	4
64395	104 1/2	1 15/16	67 1/2	94 1/2	198.0.0	Rule	270	1 15/16	"	"	CH 10/12/41 L2 Paul	HAWSERS & WARPS }	2.90	2 1/2	13.2	2.90	2 1/2
	223 1/2											"	2.90	6	main	2.90	6
Iron Stream Chain or Steel Wire	90	4 1/4			51.5		90	4 1/4				"					

Steering Gear, Type (Power or hand)

Steam
Tel. Control.
John Lynn & Co.

Alternative Means of Steering

Blocks & tackle to winch.
1st 27.1 x 8.5 x 3.55 fitted with motor

Steering Chains (Size and Test)

Windlass
Emmerson Walker & Co.

Ceiling in Holds, thickness and material

2 1/2" ceiling iron bridges

Cargo Battens, thickness, material and spacing

2 1/2" No 2A hatch + 3".

Cargo Hatchways.—(Upper Deck)

Steel plates & angles

Size of Hatchways

No. 1 (Fwd.) 32'0" x 22'0" No. 2 34'0" x 24'0" No. 3 5'10" x 16'0" No. 4 34'0" x 24'0" No. 5 32'0" x 22'0" No. 6

Number of Shifting Beams and/or Fore and Afters

5
6
5

FOR WILLIAM GRAY & CO. LIMITED.

J. S. Simpson

GENERAL MANAGER.

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

No.

(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).

This vessel has been constructed in accordance with the approved plans, the Secretary's letters & specifications (amended) and generally conforms with the Society's Rules for the class contemplated. The materials & workmanship are good. All double bottom tanks & peak tanks have been tested as required by the Rules and found satisfactory. The weather decks, W.T. Bulkheads & tunnel have been satisfactorily tested. The assigned freeboards have been marked on the vessel's sides, verified & cut in. The winches & stowing gears have been satisfactorily tested under working conditions.

The amount of Entry Fee ..... £ 6 : - : -

Special Survey Fee... £ 272 : 11 : 3

Travelling Expenses, if any £ 13 : 0 : 0

Fees applied for,

19

Received by me,

19

I am of opinion the Vessel should be Classed + 100 A.1.

State whether the Vessel has been built under Special Survey

Yes

Signature

J. S. Simpson

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

W. Hpl.

Date of issue

6/3/42

Committee's Minute

FRI. 30 JAN 1942

Character assigned

+ 100 A1

Lloyd's A & CP

+ LMC 1.42

FD. CH



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 Vessel :- "EMPIRE CAREY" (William Gray & Co No 1125)

Forging reports attached.

Approved plans attached which please return for use in sister vessels

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 & C.P. Cargo battens not fitted. Notation about 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.		Weight incl pins.	Surveyor's Initial	No. of Cert.	Dating Test.
1st Bower		28. 1-0	A.E.G.	3789	19.9.41
2nd "		28. 0-21	A.E.G.	3786	19.9.41
3rd "					

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. 168935 Signal Letters ✓ Extreme Breadth over Belting ✓ Over-all Length 327.9.  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 dk. steel.  
Parts of Bottom of Vessel coated with cement or approved composition F + A plates, E + B. Double bottom tanks & bilges cemented  
Remainder of 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. Tons.	Where Fitted.	Length. Feet.	S.W. Tons.
Double bottom, aft,	106	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	67	Deep tank, aft,		
Double bottom, if under Boilers only,	18	dry tank	Deep tank, forward,		
Double bottom, forward,	126	334	Other tanks, if fitted,		
Total length (if continuous) and Capacity	240	629	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2442

Date 1/4/41

Dates of Surveys held while building

1941. June 17. 20. July 2. 10. 14. 17. 18. 11. 24. Aug. 1. 6. 18. Sept. 1. 8. 16. 17. 24. 25. 27. Oct. 2. 7. 13. 20. 24. 27. 28. 31. Nov. 3. 4. 5. 6. 10. 11. 12. 14. 18. 19. 20. 24. Dec. 5. 8. 10. 11. 12. 17. 22. 23. 24. 29. 31.  
1942. Jan. 2. 9. 7. 8. 9. 11. 12. 13. 14. 15.

Total No. of Visits 60