

DISCLOSED

SECTION

No. 784

## STEEL STEAMER or MOTORSHIP.

Received at London Office 3 MAR 1943

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

DISCLOSED

SECTION

No. 784

No. 66732

Date of completion of report

1st March 1943

Port of

GLASGOW.

Survey held at

GLASGOW.

Date First Survey

23rd October 1941

Last Survey

1st MARCH

1943

On the

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

"EMPIRE COURAGE."

NOW NAMED "PHILIPS WOUWERMAN"

State Type

(Full Steamships Complete Superstructure with or without Tonnage Openings)

C.S.S.

WITHOUT TONNAGE OPENING.

State Type of Erections

FOCLE.

TONNAGE under Tonnage Deck

6553.99

CLASS

100 A.1.

State if with freeboard as condition of Class

WITH FREE BD.

Built at WHITEINCH - GLASGOW.

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 410.0

Breadth (greatest moulded)

B 57.25

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

CORR. 37.46

D 38.0

1st Longitudinal Number (L x D)

= 15358

2nd Numeral L x (B + D)

= 38831

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

25.0 ENG. SR.

25.8

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

10.79

Do. Long Bridge to top of keel

✓

Draught Moulded

27.5

Launched 21st DECEMBER, 1942 Yard No. 689

Builders BARCLAY CURLE &amp; CO. LD.

Owners MINISTRY OF WAR TRANSPORT

Managers

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

Residence LONDON.

Port of Registry GLASGOW.

If surveyed while building, afloat, or in dry dock

BUILDING &amp; AFLOAT.

SEE PAGE 5

## FRAMES, DOUBLE BOTTOM AND BEAMS.

				INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
FRAMES, Spacing amidships				30"	✓		
" from 3/8 length amidships to Collision bulkhead				30	to 24	✓	
" in peaks				24	✓		
FRAMING.							
me Amidships, Angle, E or F				7	3 1/2	46	✓
" Extends up to				UPPER DK.			
Reversed Frame Amidships, Angle				10	4	56	✓
" Extends up to				2nd DECK.			
th of Framing Girder				13 1/2			
nes in Uppermost Continuous 'tween Decks, Angle, E or F				7	3 1/2	46	✓
" Second 'tween Decks, Angle, E or F				EVERY FRAME.			
" Third " " "				7	3 1/2	48	✓
" from 1/4 len. for'd. to 16% len. from Stem				10	4	58	✓
" in Peaks, Angle, E or F				8	3 1/2	42	✓
eter and Spacing of Rivets through Frame and Shell Plating amidships				10	4	50	✓
" if Frame Joggled				9	3 1/2	40	✓
" scantlings and arrangements in the 'tween Area in accordance with the Rules or as approved?				YES	✓		
" scantlings and arrangements in way of Bottom Forward in accordance with Rules and/or as approved?				AS APPD.	✓		
BOTTOM.							
" Depth and thickness at mid-line in Holds							
" Height of Brackets at side above base line at toe of frame							
" Line Keelson, on Floors, Angles, E or F							
" " Through Plate or Intercoastal Plate							
" " Foundation Plate on Floors							
" " Flat Plate Keel Angles							
" Keelsons, No. each side							
" thickness of Intercoastal Plate							
" Angles							
DOUBLE BOTTOM.							
" Solid Floors, thickness and spacing				36"	EVERY	3rd	✓
" " Are Frame and Reversed Frame joggled?				YES	✓		
" Bracket Floors, breadth and thickness at middle line				34		36	✓
" " breadth and thickness at margin plate				34		36	✓

				INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
Bracket Floors, Frame				BA	8	3 1/2	36
" " Reversed Frame				BA	8	3	36
" " Vertical Struts				ANGLE	6	3 1/2	40
Centre Girder, depth and thickness amidships				43 1/2		54	✓
" " top Angles				3 1/2	3 1/2	48	✓
" " bottom Angles				4	4	54	✓
Side Girders, No. each side and thickness				1	@	36	✓
Margin Plate depth (excl. of flange) and thickness				38 1/4		53	✓
" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem				3 1/2	3 1/2	42	✓
" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area				3 1/2	3 1/2	42	✓
" " Gussets, spacing and scantling abaft 1/4 len. from stem				50	CONT. PLATE		✓
" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area				50	CONT. PLATE		✓
Tank Side Brackets, height above base line at toe of Frame and thickness				70		45	✓
INNER BOTTOM PLATING.							
" Breadth and thickness of Middle Line Strake				84		54	✓
" Thickness of remainder in Holds						43	✓
" Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space framing in Boiler Room?				YES			✓
BEAMS.							
" Uppermost Continuous Deck, amidships				8	3	36	✓
" " in Wells, Angle, E or F				AS APPD.	✓		
" " in way of Bridge, Angle, E or F				EVERY FRAME	✓		
" Spacing				8	3	40	✓
" Second Deck, amidships, Angle, E or F				AS APPD.	✓		
" Spacing				EVERY FRAME	✓		
" Third Deck, amidships, Angle, E or F							
" Spacing							
" Fourth Deck, amidships, Angle, E or F							
" Spacing							
" Poop Deck, Angle, E or F							
" Spacing							
" Bridge Deck, Angle, E or F							
" Spacing							
" Forecastle Deck, Angle, E or F				7	3	31	✓
" Spacing				EVERY FRAME.			



## PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
<b>PILLARS</b> , No. of Rows.....	<u>3 ROWS.</u>	CENTRE LINE BND & 2 ROW OF WIDE SPACED PILLARS WITH DEEP GIRDERS IN HOLDS AS APPROVED.			
" in 'tween Decks, Size and Spacing.....		CENTRE ROW OF CLOSE SPACED PILLARS & 2 ROW OF WIDE SPACED PILLARS WITH DEEP GIRDERS IN TWEEN DECKS AS APPROVED.			
" " " " "					
" in Holds					
" " " " "					
<b>Centre Line Bulkhead.</b>					
Stiffeners and Spacing.....	<u>ALTERNATE F.A.M.</u>	10	3 1/2	.44	✓
Plating, thickness of .....				.32	✓
<b>STRINGERS AND DECKS.</b>					
<b>Uppermost Continuous Deck.</b>					
Stringer Plate, breadth and thickness in Wells.....		74"		.66	✓
" " " " in way of Bridge.....					
" Angle in Wells .....		4	4	.60	✓
Thickness of Plating abreast Deck openings in way of Wells .....				.66	✓
Thickness of Plating abreast Deck openings in way of Bridge .....				.62	✓
Thickness of Plating within line of openings.....		.40	4	.36"	✓
If Sheathed, material and thickness .....			✓		
<b>Second Deck.</b>					
Stringer Plate, breadth and thickness in Wells.....		76"		.40	✓
<b>Third Deck.</b>					
Stringer Plate, breadth and thickness.....					
If Plated, state thickness.....					
<b>Fourth Deck.</b>					
Stringer Plate, breadth and thickness.....					
If Plated, state thickness .....					
<b>Poop Deck.</b>					
Stringer Plate, breadth and thickness .....					
Plating, Sheathing, material and thickness .....					
<b>Bridge Deck.</b>					
Stringer Plate, breadth and thickness.....					
Plating, Sheathing, material and thickness .....					
<b>Forecastle Deck.</b>					
Stringer Plate, breadth and thickness.....		39"		.38	✓
Plating, Sheathing, material and thickness .....		.28	4	.40"	✓
				.50 UNDER WINDLASS	(SHEATHED) ✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	UPPER EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled? NO. ✓	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.									
FLAT PLATE KEEL "A" .....	48 ✓	.80 ✓	.72 ✓	.72 ✓		DOUBLE ✓	1-0 ✓	3 3/4 ✓	4 R - 3 R ✓	1-0 ✓	4 To 3 1/2 ✓	LAPPED.	
„ <del>B.C.D.E.</del> (if any) 3 STRAKES NEXT KEEL (P. 45.)					FROM 1/2 LTH. TO COLL. END .70" AND	AS APPROVED.							
BOTTOM PLATING, No. of Strakes ..... 4 .....	B.C.D.E.	.62 ✓	.50 ✓	.50 ✓		DOUBLE	7/8 ✓	3-3 ✓	4 R - 3 R - 2 R ✓	For% AFT. 7/8 1 3/4 ✓	3 1/2 - 2 5/8 ✓	" ✓	
BILGE PLATING, No. of Strakes ..... 1 .....	" F" ✓ G.H.I.	.62 ✓ .60 ✓	.50 ✓ .57 ✓	.50 ✓ .46 ✓		"	"	"	4 R - 3 R - 2 R ✓	For% AFT. 7/8 1 3/4 ✓	3 1/2 - 2 5/8 ✓	" ✓	
SIDE PLATING, No. of Strakes ..... 4 .....	K ✓ 69	.60 ✓	.46 ✓	.46 ✓		"	"	"	3 R - 2 R ✓	7/8 1 3/4 ✓	3 1/8 - 2 5/8 ✓	" ✓	
UPPER DECK, Sheer- strake in Wells .....	M	.60 ✓	.46 ✓	.46 ✓					4 R - 2 R ✓	7/8 1 3/4 ✓	3 1/2 - 2 5/8 ✓	" ✓	
UPPER DECK, Sheer- strake in Bridge .....	75 " L"	.60 ✓	.46 ✓	.46 ✓		DOUBLE	7/8 ✓	3-3 ✓	4 R - 2 R ✓	7/8 1 3/4 ✓	3 1/2 - 2 5/8 ✓	" ✓	
STRAKE BELOW Sheer- strake in Wells .....													
STRAKE BELOW Sheer- strake in Bridge .....													
POOP SIDE PLATING .....													
BRIDGE SIDE PLATING .....													
FOREC'TLE SIDE PLATING			.38 ✓			SINGLE ✓	3/4 ✓	3-0 ✓	1 R ✓	3/4 ✓	2 5/8 ✓	" ✓	

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		8		Casting or Forging.		Scantlings.		Maker's Name.		Any Departure from Approved Plans to be Noted.	
Extending to Upper Deck (Sec. 3 c)		1		COLLISION BHD TO WEATHER DECK.							
Deck next below		7		7 BHDs. TO 2 <sup>ND</sup> DECK.							
As APPROVED		8		6 DIVISIONAL W.T. BHDs. IN TWEEN DECK.							
				(OPENINGS IN DIVISIONAL W.T. BHDs IN TWEEN DECKs. FITTED WITH STEEL PLATES & RIVETED)							
		Plating Thickness.		STIFFENERS.							
				VERTICAL.		HORIZONTAL.					
				Scantlings.	Spacing.	Scantlings.	Spacing.				
MIDSHIP BULKHEAD, Upper tween decks		28	ANG.	33							
		26	5 x 3 x 3/8	30							
" " Second "											
" " Third "											
" " Holds No. 112		42-33	12 x 4 x 40/60	33							
		42-31	12 x 4 x 40/60	30							
COLLISION " (in Hold) No. 161		52-28	9 x 3/2 x 46	24							
AFTER PEAK " No. 12		48-30	9 x 3/2 x 46	24							

STEEL.

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

COLVILLES LIMITED.

Has the Steel been tested as required by the Rules? **YES.**

Lloyd's Register  
Foundation



Committee's Minute **GLASGOW** 2 MAR 1943

Character assigned -1- 100 A1 J. 43

Lloyd as CP

With freeboard. Carr. Cargo oil 2. H. abas 150° 3. in S.T. abt 1 inch. space.

-1- Lmc 2. 43

Oil Eng. 200 120 lb.

Note:- Equip, Cgo bins. 4' 10" covers

Note:- Owners, C. of name &c

FRI 11 MAR 1943

AS non-subj

00602/3



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.) THIS IS A SISTER VESSEL TO EMPIRE HIGHWAY. GLASGOW RPT. N°66280.

# LIST OF PLANS.

## PLANS AS BUILT.

1. MIDSHIP SECTION.
2. PROFILE.
3. RUDDER & STERNFRAME.
4. TANK TOP PLATING.
5. SHELL EXPANSION.
6. UPPER DECK PLATING.
7. SHELTER DECK PLATING.
8. PEAK BHD. & WT. BHD. 112.
9. WT. BHD. 40 & 135
10. DEEP TANK
11. FORE END FRAMING.
12. AFT END FRAMING.
13. CENTRE LINE BULKHEAD.
14. HATCH WEBS.
15. SHAFT TUNNEL.
16. PILLARS & GIRDERS.
17. PILLARS & GIRDERS FORD.
18. PILLARS & GIRDERS AFT.
19. DEEP TANK HATCHES.
20. ENGINE & BOILER CASING.
21. PILLARS & WEB FRAMES IN ENG. ROOM.
22. OIL FUEL BUNKERS.
23. DOOR & VENT COAMINGS.
24. WT. BOX FOR SEA INLET.
25. ERECTIONS FOR EQUIPMENT.
26. BILGE & BALLAST PUMPING.
27. OIL HEATING ARRANG.
28. DEEP TANK FORWARD HOLD.
29. DEEP TANK AFT.
30. EMERGENCY STEERING GEAR.
31. CAPTAINS HOUSE.
32. HOUSE ON SHELTER DECK.
33. MIDSHIP DECKHOUSE & BOAT DK. PLATING.

## FORGINGS & CASTINGS.

STERNFRAME.  
RUDDER FRAME.  
RUDDER STOCK.

PARTICULARS OF ELECTRIC WELDING (if employed) HOLD AND TWEEN DECK PILLARS. GUSSET PLATES TO TANK TOP.  
BULKHEAD STIFFENER BRACKETS TO TANK TOP. AUXILIARY ENGINE SEATS TO TANK TOP AND OTHER  
MINOR DETAILS.

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

"CRUISER STERN, WIRELESS, OIL ENGINE, LLOYDS A & C.P., DIRECTION FINDER, ECHO SOUNDING.  
"CARRYING FUEL OIL, F.P. ABOVE 150° FT. IN DEEP TANK AT AFT END OF MACHINERY SPACE." 2-DECK.  
SPECIAL REASONS.—SPARKING TO BE FITTED ON AFTER BHD. OF CARGO OIL DEEP TANK AT AFT END OF ENGINE SPACE WHEN CARRYING OIL.  
CARGO BATTENS & 2ND DECK HATCH COVERS TO BE FITTED, FIRST OPPORTUNITY.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd "	3rd "	WEIGHT HEAD & PIN	SURVEYOR'S INITIALS	CERT. NO.	DATE OF TEST.
				45-1-7	K.L.	4470	13-12-41
				44-1-14	K.L.	4412	25-11-41

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. 168753 Signal Letters B.F.D.J. Extreme Breadth over Belting (Circ. 1611) ☒ Over-all Length (Circ. 1708) 431-25  
No. and Material of Decks 2 DECKS

Parts of Bottom of Vessel coated with cement or approved composition PORTLAND CEMENT IN PEAKS AND IN DOUBLE BOTTOM FEED TANK.

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.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	87-5	339	Fore peak tank,	22-75	139
Double bottom, under Engines and Boilers,	48-5	247	After peak tank,	22-0	93
Double bottom, if under Engines only,			Deep tank, aft, OF ENG. ROOM BHD.	30-0	1254
Double bottom, if under Boilers only,			Deep tank, forward, (P45) IN N°1 HOLD	10-0	238
Double bottom, forward,	165-75	593	DEEP TANK AFT	55-0	433
Total length (if continuous) and Capacity (INC. COFF.)	300-75	1179	DEEP TANK AFT, IN N°5 HOLD (COMMON TO D. BOTTOM)		

(If necessary, furnish further information by sketch.)  
1168 See Amc 48 16473 12-47.

Order for Special Survey No. 16614

Date 23.9.41

Dates of Surveys held while building

1941 Oct 23 Nov 14 18 26 Dec 4 9.10.17 1942 Jan 5 23 29 Feb 16 23 Mar 11 13 20 26 Apr 7 15 16 21  
May 1 6 11 15 22 Jun 1 4 5 12 26 July 1 8 28 Aug 6 12 21 25 26 28 Sep 3 10 14 16 18 24 1 9 13 16  
21 26 28 29 30 Nov 2 5 9 10 13 16 17 18 19 23 24 26 27 30 Dec 1 2 4 8 10 11 14 15 16 21 28 1943 Jan 5 18 23  
27 29 Feb 8 10 11 12 13 16 18 19 23 Mar 1

Removed See Amc 48 16473 6-12-47

Total No. of Visits 94

Rpt. 9a.

Port of Glasgow

Continuation of Report No. 66732 dated

1.3.43

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on the

"EMPIRE COURAGE" NOW NAMED "PHILIPS WOUWERMAN"

Vessel placed in Elderslie Dry Dock, Glasgow on 1<sup>st</sup> March 1943.

Bottom, keel & rudder cleaned, examined, found in good condition and renovated.

This vessel has now been taken over by the Royal Netherlands Government

Ship's NAME "PHILIPS WOUWERMAN"

OWNERS ROYAL NETHERLAND GOVERNMENT

MANAGERS. HOLLAND-AMERICA LINE K. LUNN

PORT LONDON.

Certs issued with these owners & managers but no part of reg. 13/4/42

*Handwritten signature*

Propeller and outside fastenings examined and found in order.

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