

State if Report is sent on the Machinery of the Vessel..... Yes

No. 99300

Last Survey 5<sup>th</sup> March 1941

Simple Screw

### State Type of Erections

Built at Hebrew-on-Type

FEET.

Launched 29<sup>th</sup> November 1940 Yard No. 628

**Breadth** (*greatest moulded*) .....

Builders R. W. Hawthorne & Son No. 12.

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

Owners for executing the office of Lord High Admiral  
of the United Kingdom

1st Longitudinal Number (L x D).....

Managers

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

Length 465 . 3

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

**Breadth** 59.3

Do. Long Bridge to top  
of head

Depth 33.85

**Draught Moulded** .....

Residence

Port of Registry **LONDON**

*If surveyed while building, afloat, or in dry dock*

While Building and Afloat.

## FRAMES, DOUBLE BOTTOM AND BEAMS.

9	3	42
9	3 1/2	54
8	3	43
8	3	36
27	4	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.
<b>PILLARS</b> , No. of Rows.....	TWO LONGT <sup>L</sup> BULKHEADS I.P. + I.S. ✓		Stringer Plate, breadth and thickness in way of Bridge ..... AFT...✓	.40 - .36 ✓	
" in 'tween Decks, Size and Spacing.....	✓		Thickness of Plating abreast Deck openings in way of Wells ..... FORD...✓	.34 ✓	
" " " " "	✓		Thickness of Plating abreast Deck openings in way of Bridge ..... AFT...✓	.36 - .34 ✓	
" in Holds " "	✓		Thickness of Plating within line of openings...	✓	
" " " " "	✓		If Sheathed, material and thickness .....	✓	
LONGITUDINAL Centre Line Bulkheads P.S. ✓	10 3½ .44 N°S 1-6 TANKS.		<b>Third Deck.</b>		
Stiffeners and Spacing.....	11 3½ .44 N°S 7-9 "		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of (VERTICAL)	SPACED 3½ ✓		If Plated, state thickness.....	✓	
<b>STRINGERS AND DECK.</b>	.42 ✓		<b>Fourth Deck.</b>		
Uppermost Continuous Deck.	.44 AT FORE END. ✓		Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	90 x .77 g/f 90 ¾ x ¼		If Plated, state thickness .....	✓	
" " " " , in way of Bridge	90 x .84 See plan as built		<b>Poop Deck.</b>		
" Angle in Wells .....	7 7 .94 ✓		Stringer Plate, breadth and thickness .....	.37 ✓	
Thickness of Plating abreast Deck openings in way of Wells .....	.72 CENTRE STRAKE ✓		Plating, Sheathing, material and thickness ...	.30 NOT SHEATHED ✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	.74 OTHER THRO' STRAKES ✓		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.58 HATCH STRAKES ✓		Stringer Plate, breadth and thickness.....	41½ x .43 ✓	
If Sheathed, material and thickness .....	INCREASES AS APP		Plating, Sheathing, material and thickness ...	.34 COVERED ON COMPN. ✓	
<b>Second Deck.</b>	AT POOP FRONT BRIDGE ENDS AND CARGO PUMP ROOMS ✓		<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	FORD ✓		Stringer Plate, breadth and thickness.....	.38 ✓	
	.36 ✓		Plating, Sheathing, material and thickness ...	.36 ✓	

## SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.			Inches.	Inches.			Inches.	Inches.		
FLAT PLATE KEEL .....	87 ✓	.86 ✓	.78 ✓	.78 ✓			DOUBLE ✓	1 ✓	4 ✓	QUINTUPLE - QUADRUPLE ✓	1 ✓	4 ✓	LAPPED ✓	
„ DELG. (if any)	✓						✓							
BOTTOM PLATING, No. } of Strakes ... THREE }		1c .67 ✓	.53 ✓	.56 ✓			DOUBLE ✓	7/8 ✓	3 1/2 ✓	QUADRUPLE - TREBLE ✓	7/8 ✓	3 1/2 ✓	LAPPED. ✓	
		1c .66 ✓	.74 ✓	.54 ✓										
		1c .64 ✓	.70 ✓	.58 ✓										
BILGE PLATING, No. of } Strakes ..... ONE }		.64 ✓	.50 ✓	.64 ✓			DOUBLE ✓	7/8 ✓	3 1/2 ✓	D° ✓	7/8 ✓	3 1/2 ✓	D° ✓	
SIDE PLATING, No. of } Strakes ..... FOUR }		.64 ✓	.50 ✓	.52 ✓ .50 ✓			DOUBLE ✓	7/8 ✓	3 1/2 ✓	D° ✓	7/8 ✓	3 1/2 ✓	D° ✓	
UPPER DECK, Sheer- } strake in Wells..... }	56 ✓	1.00 ✓	1.20 AT POOP FRONT ✓ BRIDGE ENDS.				✓			QUINTUPLE - QUADRUPLE ✓	1 1/8 ✓	5 1/8 ✓	D° ✓	
UPPER DECK, Sheer- } strake in Bridge ... }	62 1/2 ✓	.90 ✓	.50 ✓	.50 ✓			DOUBLE ✓ SINGLE ✓	7/8 ✓	3 1/2 ✓	QUINTUPLE - TREBLE ✓	1 1/4 ✓	7/8 ✓	5 1/8 ✓	D° ✓
STRAKE BELOW Sheer- } strake in Wells..... }	83 3/4 ✓	.76 ✓	.50 ✓	.50 ✓			DOUBLE ✓	1 ✓	4 ✓	QUADRUPLE ✓ TREBLE ✓	1 ✓	7/8 ✓	4 ✓	D° ✓
STRAKE BELOW Sheer- } strake in Bridge ... }	✓			.40 ✓ .44 AT POOP FRONT.			✓			✓				
POOP SIDE PLATING .....							SINGLE ✓	3/4 ✓	3 ✓	SINGLE ✓	3/4 ✓	25/8 ✓	D° ✓	
BRIDGE SIDE PLATING ...		.43 ✓					✓			DOUBLE ✓	3/4 ✓	25/8 ✓	D° ✓	
FOREC'TLE SIDE PLATING			.43 ✓				SINGLE ✓	3/4 ✓	3 ✓	SINGLE ✓	3/4 ✓	25/8 ✓	D° ✓	

## WATERTIGHT BULKHEADS.

## 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)												
,, Deck next below												
As per Rule												
STIFFENERS.						Plating Thickness.	VERTICAL.			HORIZONTAL.		
MIDSHIP BULKH'D, Upper tween decks						✓						
,, Second						✓						
,, Third						✓						
,, Holds						.51 .40	10 × 3½ × .40	33"	TWO GIRDERS AS PER APP'V PLAN.			
COLLISION (in Hold)						.46 .30	8 × 3 × .60	.35	24"	PLATS AND STRINGERS		
AFTER PEAK						.42 .30	8 × 3 × .50	.5	24"	AS APPROVED		
							6 × 3 × .26	✓	24"	BNC		
KEEL, Bar						✓	ROLLED BAR	10 × 25B	✓			
STEM							STEEL CASTING	AS APPROVED PLAN.	Harleyton Forge Co.			
Stern Frame						{	Propeller Post	✓				
							Rudder	✓				
Speed of Vessel						12	KNOTS	✓				
RUDDER—Type						SIMPLY	BALANCED	✓				
,, A × D						387	✓		Harleyton Forge Co.			
,, Diam. of head						11	✓					
,, Mainpiece at top pintle						STEEL	12	✓				
,, " heel						FORGING						
,, how constructed						STREAMLINED	✓					
,, double or single plate coupling, vertical or horizontal						PER APP'V PLAN						
						ELECTRICALLY	WELDED	✓				

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH  
APPLEBY, FRODINGHAM STEEL CO. CONSETT IRON CO. DORMAN, LONG & CO. SOUTH DURHAM STEEL & IRON CO. SKINNINGROVE IRON CO.  
CARGO FLEET IRON CO. COLVILLE & SONS STEEL CO OF SCOTLAND. LANARKSHIRE STEEL CO. RAINE & CO.

Has the Steel been tested as required by the Rules?



FRAMING.			AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.		RIVETING.					
			In Ship.			In Ship.					Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.	
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Diam.	Spang.	Inches.	Number.	Diameter.	
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Ins.	Ins.	Inches.		Inches.	
BOTTOM																
Framing of <del>L or C</del> ✓																
Frames in Bridge 'tween Decks ...																
Frames from Uppermost Continuous Deck No. 1																
(BOTTOM ONLY)																
" 2																
" 3																
" 4																
" 5																
" 6																
" 7																
" 8																
" 9																
" 10																
" 11																
" 12																
" 13																
" 14																
" 15																
" 16																
Spacing of Longitudinal Frames																
Amidships																
At Ends																
Double Bottoms																
L or C																
Tank Top Longitudinals																
Bottom																
Spacing of Longitudinals																
Amidships																
At Ends...																
Transverses.																
Side																
(in'tween Decks)																
Depth and Thickness																
Face Angles																
Lugs to Shell*																
BOTTOM																
Side																
(in Hold)																
(WING TANKS)																
Depth and Thickness																
Face Angles																
Lugs to Shell*																
Bottom																
(CENTRE TANKS)																
Depth and Thickness																
Face Angles																
Lugs to Shell*																
Back Bars																
CENTRE TANKS																
WING TANKS																
Brackets																
Spacing of Transverse Frames																
* State if joggled or liners.																
Longitudinal Beams of																

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

1m, 2, 37. T.

002583-002591-0185 73







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.)

No 98948.

M.V. EMPIRE BRONZE

Copies of the approved plans are in the Head Office, and the Copies in this Office are being retained for reference in Building Sister Vessels.

3 Certificates are enclosed herewith.

PARTICULARS OF ELECTRIC WELDING (if employed) "RUDDER ELECTRICALLY WELDED" ✓  
All welding carried out with electrodes approved for the purpose employed and in accordance with the Rules.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. 100 A.I. "CARRYING PETROLEUM IN BULK"  
CRUISER STERN. MACHINERY AFT. LONGITUDINAL FRAMING AT BOTTOM AND DECK.  
RUDDER ELECTRICALLY WELDED. ECHO SOUNDING DEVICE. DIRECTION FINDER.  
LLOYDS A + C.P.

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

1st Bower	42-3-22	J.D.	2181	12-9-39
2nd "	43-3-19	J.D.	2625	14-2-40
3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 94.69 ft., R.Q.D. ft., Bridge 44.61 ft., Forecastle 50.17 ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 168069 Signal Letters Extreme Breadth over Belting 59.3 FEET. Over-all Length 483.29 FEET.  
No. and Material of Decks 1 DK. (STEEL) and P.B. + F. 2<sup>nd</sup> DECK CLEAR OF CARGO TANKS.  
Parts of Bottom of Vessel coated with cement or approved composition Cement fillets in piston cooling double bottom tank only.

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. S.W. Tons.	Where Fitted.	Length. Feet.	Water Capacity. S.W. Tons.
Double bottom, aft,			Fore peak tank,	23.3 ✓	138.3 ✓
Double bottom, under Engines and Boilers, oil fuel only	33.64		After peak tank,	16.0 ✓	85.4 ✓
Double bottom, under Engines only, lub. oil only	7.68		Deep tank aft, (not on ballast line)	14.0 ✓	85.6 ✓
Double bottom, under Boilers only, piston cooling	23.06	22.6	Deep tank, forward,	24.75 ✓	270.6 ✓
Double bottom, forward, " 2 Cofferdams (6Tol)	5.12		Other tanks, if fitted,		
Total length (continuous) and Capacity (G.B.)	69.52 ✓	22.6	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5596

Date 27-3-40

Dates of Surveys held while building

1939  
Sep. 28. Oct. 11. 13. 25. 26. 27. Nov. 13. 17. 21. 23. 27. 28. 29. 30. Dec. 1. 3. 4. 5. 8. 19.  
Feb. 5. 8. 13. 16. 21. 26. 27. 29. Mar. 6. 8. 11. 14. 28. Apr. 3. 10. 15. 25. 30. May 8. 23. 28. 30. June 6. 10. 17. 24.  
July 24. 11. 24. Aug. 1. 7. 9. 13. 15. 16. 20. 21. 22. 23. 27. 28. 29. 30. Sep. 2. 3. 4. 5. 6. 9. 11. 12. 13. 16. 17. 18. 19. 23. 27. Oct. 2.  
8. 11. 21. 29. 31. Nov. 5. 7. 11. 12. 13. 14. 15. 19. 21. 25. 27. 28. Dec. 3. 12. 13. 17. Jan. 2. 6. 10. 12. 23. 27. Feb. 6. 7. 12. 14. 18.  
24. 26. Mar. 3. 5.  
1940  
Jan. 5. 10. 12. 16. 19. 23. 26. 30.  
May 8. 23. 28. 30. June 6. 10. 17. 24.  
1941  
Jan. 2. 6. 10. 12. 23. 27. Feb. 6. 7. 12. 14. 18.  
Total No. of Visits 130