

STEEL STEAMER ~~OR MOTORSHIP~~

Received at London Office

12 SEP 1946

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 **3RD SEPTEMBER, 1946** Port of **GREENOCK.**No. **23374.**Survey held at **GREENOCK**Date First Survey **6TH MAY 1946.**Last Survey **31ST AUGUST 1946**On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **STEEL SINGLE SCREW STEAMER "THE EMPEROR" (MACHINERY FITTED AFT)**State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **FULL SCANTLING**State Type of Erections **POOP, RQDK, BDGE, FCSLE.**TONNAGE under Tonnage Deck... **681.78**CLASS **100 A.I. (CONTEMPLATED)**State if with freeboard as condition of Class **No**Built at **GREENOCK**

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 202.0**Launched **27TH JULY, 1946.** Yard No. **235**Total **681.78**Breadth (greatest moulded) **B 32.58**Builders **GEO. BROWN & CO (MARINE) LD.**Gross Tonnage **1058.03**Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 15.12**Owners **J. HAY & SONS. LA**Register Tonnage **584.30**1st Longitudinal Number (L x D) **= 3055**Managers **-**
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) **= 9636**Residence **-**REGISTERED DIMENSIONS.
FEET.Length **204.8**Framing Depth "d," at middle of length. See Sec. 3 (1d) **-**Breadth **32.8**Proportions—Depth to Length—Uppermost continuous deck to top of keel **-**Depth **13.75**Do. Long Bridge to top of keel **-**Draught Moulded **15.18**Port of Registry **GLASGOW.**

If surveyed while building, afloat, or in dry dock

PART BUILDING & AFLOAT

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 $\frac{3}{4}$ length amidships to Collision bulkhead.....	24	✓			" " Reversed Frame	-			
" " in peaks.....	24	✓			" " Vertical Struts	-			
SIDE FRAMING.					Centre Girder, depth and thickness amidships	31	x	.38	✓
Frame Amidships, Angle, E or F	7	3	.33	6 x 3 1/4 x 3 1/2 x 30 CH² STRINGER	" " top Angles DOUBLE	3	3	.34	✓
" " Extends up to RAISED QUARTER DECK				ON FACE OF FR.	" " bottom Angles DOUBLE	3	3	.38	✓
Reversed Frame Amidships, Angle B.A.	6	3	.30	DITTO.	Side Girders, No. each side and thickness ONE	5	3	.29	6.A. TOP
" " Extends up to... UPPER DECK					" " B.A. BOT.	5	3	.29	
Depth of Framing Girder..IN WAY OF RQDK.	7	✓			Margin Plate depth (excl. of flange) and thickness	23	x	.34	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	-				" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	3	3	.38	✓
" " Second 'tween Decks, Angle, E or F	-				" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	3	3	.38	✓
" " Third " " " "	-				" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	.38	FL. 2"	EVERY 4TH FR.	✓
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem. EXTENDS TO UPPER DECK	8	3	.30	B.A.	" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area.....	.38	FL. 2"	EVERY 3RD FR.	✓
" " in Peaks, Angle, E or F	5	3	.26	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	41	x	.35	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4	2	5 1/4	✓	INNER BOTTOM PLATING.				
State if Frame Joggled	YES.	✓			Breadth and thickness of Middle Line Strake ...	45	x	.36	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES.	✓			Thickness of remainder in Holds36			✓
Are the scantlings and arrangements in way of the Bottom Forward 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?	SINGLE BOTTOM. FLOORS .36 ER. .44 B.R.			✓
SINGLE BOTTOM.					BEAMS.				
Floors, Depth and thickness at mid-line in Holds					Uppermost Continuous Deck, amidships in Well, Angle, E or F	4	3	.30	WITH DEEP FLANGED BKTS .36 SPACED 8'
Height of Brackets at side above base line at toe of frame					" " in way of Bridge, Angle, E or F	6	3	.29	✓
Middle Line Keelson, on Floors, Angles, E or F					Spacing	24	✓		
" " Through Plate or Intercoastal Plate...					RAISED QUARTER Second Deck, amidships, Angle, E or F	4	3	.30	WITH DEEP FLANGED BKTS .36 SPACED 8'
" " Foundation Plate on Floors					Spacing	24	✓		
" " Flat Plate Keel Angles					Third Deck, amidships, Angle, E or F	-			
Side Keelsons, No. each side					Spacing	-			
" " thickness of Intercoastal Plate...					Fourth Deck, amidships, Angle, E or F	-			
" " Angles					Spacing	-			
DOUBLE BOTTOM.					Poop Deck, Angle, E or F	5	3	.28	✓
Solid Floors, thickness and spacing28 EVERY FR.	✓			Spacing	24	✓		
" " Are Frame and Reversed Frame joggled?	YES.	✓			Bridge Deck, Angle, E or F	5	3	.30	✓
Bracket Floors, breadth and thickness at middle line	-				Spacing	24			
" " breadth and thickness at margin plate.....	-				Forecastle Deck, Angle, E or F	5	3	.25	✓
					Spacing	24			

PILLARS AND DECKS.

PILLARS, No. of Rows	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
	ONE	TWO			
FORECASTLE & POOP	3 3 36	3 3 36	OA.	-	-
in 'tween Decks, Size and Spacing	3 3 36	3 3 36	OA.	-	-
" " " " "	3 3 36	3 3 36	OA.	-	-
in Holds	8 x 6 H BAR	8 x 6 H BAR	ON CENTRE LINE	-	-
Centre Line Bulkhead.	-	-	-	-	-
Stiffeners and Spacing	-	-	-	-	-
Plating, thickness of	-	-	-	-	-
STRINGERS AND DECKS.	-	-	-	-	-
Uppermost Continuous Deck.	-	-	-	-	-
Stringer Plate, breadth and thickness in Wells	70 x 42	70 x 42	-	-	-
" " " " " in way of Bridge	48	48	-	-	-
" " " " " Angle in Wells	3 1/2 3 1/2 48	3 1/2 3 1/2 48	-	-	-
Thickness of Plating abreast Deck openings in way of Wells	-	-	-	-	-
Thickness of Plating abreast Deck openings in way of Bridge	-	-	-	-	-
Thickness of Plating within line of openings	26	26	-	-	-
If Sheathed, material and thickness	-	-	-	-	-
RAISED QUARTER DECK.	-	-	-	-	-
Stringer Plate, breadth and thickness in Wells	66 1/2 x 48	66 1/2 x 48	38 on plan	-	-

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	TOP EDGES. State if Joggled?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam.	Spacing cr. to cr. Inches.		Diam.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	40	49	49	49		DOUBLE	3/4	3 3/8	WELDED. EDGE TO EDGE.			
" DBLG. (if any)		-					-					
BOTTOM PLATING, No. of Strakes	A -	40	44	39		DOUBLE	3/4	3 3/8	A. DOUBLE 3/4 3 LAPPED.			
BILGE PLATING, No. of Strakes	C	40	36	33		DOUBLE	3/4	3 3/8	B. 2 BUTTS EACH OVERLAPPED & WELDED.			
SIDE PLATING, No. of Strakes	D	40	36	34		DOUBLE	3/4	3 3/8	C. OVERLAPPED & WELDED.			
UPPER DECK, Sheer-strake in Wells.....	E	40	36	34		DOUBLE	3/4	3 3/8	D. OVERLAPPED & WELDED.			
UPPER DECK, Sheer-strake in Bridge.....	F 53 1/2	60	36	-		DOUBLE	3/4	3 3/8	E. OVERLAPPED & WELDED.			
UPPER DECK, Sheer-strake in R.Q.DK.	F 53 1/2	40	-	34		{ SINGLE FOR FULL LENGTH OF VESSEL	3/4	3 3/8	F. OVERLAPPED & WELDED.			
UPPER DECK, Sheer-strake in Wells.....		44	-	36						G. OVERLAPPED & WELDED.		
STRAKE BELOW SHEER-strake in Bridge ...		-										
POOP SIDE PLATING			36			SINGLE	3/4	3 3/8	OVERLAPPED & WELDED.			
BRIDGE SIDE PLATING ...		27				SINGLE	5/8	2 3/4	NO BUTTS.			
FORECASTLE SIDE PLATING			27			SINGLE	5/8	2 3/4	OVERLAPPED & WELDED.			

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	4
Extending to Upper Deck (Sec. 3 c)	4 (FRS 90. 69. 47. 29)
" Deck next below	1 (FR 5 AFT PEAK)
As per Rule	-

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	-	-	-	-	-
" " Second	-	-	-	-	-
" " Third	-	-	-	-	-
" " Holds	FR 47 1/2 38	8 x 3 x 40 B.A.	30	W.T. FLAT & STRONGER.	5 FT.
COLLISION (in Hold)	FR 90 1/2 44	5 x 3 x 38 B.A.	24	-	-
AFTER PEAK	FR 5 1/2 42	5 x 3 x 38 OA.	24	-	-

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

STEEL.

Has the Steel been tested as required by the Rules? To BRITISH CORPORATION RULES.

WAR EMERGENCY EQUIP. C.23. EQUIPMENT No 10549

LETTER 2

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 33.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
48154	1st Bower	23	2	25	Stockless	23	13	3	0	BYERS STOCKLESS		LPH. S. 26.7.45 H. PHILLIPS
48153	2nd "	23	2	0	Stockless	23	10	0	0	"		" " "
	3rd "	47	0	25	Stockless	47	0	25	0	"		" " "
47836	Stream	7	2	26	Stockless	9	18	0	14	BYERS STOCKLESS.		LPH. S. 12.6.45 F.W. DOVEY.
60654	KEDGE	3	1	2	3 B	5	14	1	14	Exc. Stock. ORDINARY. FORGED W.I.		LPH. CH. 13.9.45 W. NORMAN.

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and size per Table 33.	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 33.	
			Supplied.	Per Rule.						Fathoms.	Inches.		Fathoms.	Inches.
70223	180	1 1/6	37 1/10	55 3/5	200 - 1 - 20	203	210	1 1/6	STUD LINK	H. REECE	LPH. CH. 21.9.45 W. NORMAN	TOWLINE	90	3 1/4
													90	2 1/2
													90	2
													90	1 3/4

Steering Gear, Type (Power or hand) STEAM (DUNKINS) WITH TELEMOTOR. Alternative Means of Steering BLOCK & TACKLE TO CAPSTAN AFT.

Steering Chains (Size and Test) 7/8 SHORT LINK. 18 1/4 TONS Windlass STEAM (CLARKE CHAPMAN) Boats 2 LIFEBOATS. 1 DINGHY.

Ceiling in Holds, thickness and material 3" WOOD BELOW HATCHES. Cargo Battens, thickness, material and spacing FRAMES PUNCHED. NO BATTENS

Cargo Hatchways. (Upper Deck) R.Q.DK. STEEL PLATES & ANGLES. Thickness of Hatches 2 1/2" PINE.

Size of Hatchways No. 1 (Fwd.) 26'0" x 20'6" No. 2 27'0" x 20'6" No. 3 27'0" x 20'6" No. 4 - No. 5 - No. 6 -

Number of Shifting Beams 4 4 4 ALL SLIDING TYPE.

Builder's Signature

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 WAS BUILT TO M.O.W.T. ACCOUNT UNDER SURVEY TO BRITISH CORPORATION REGISTRY CLASS B.S.* AND WAS ACQUIRED BY MESSRS J. HAY & SONS UPON COMPLETION.

THE SURVEY FOR THE SOCIETY'S CLASS WAS COMMENCED DURING BUILDING AND THE SCANTLINGS & ARRANGEMENTS HAVE BEEN CHECKED AND FOUND TO COMPLY WITH THOSE SHOWN ON THE PLANS.

THE SHELL PLATING & RUDDER, HOLDS, TWEEN DECKS, COAL BUNKERS & MACHINERY SPACES, DECKS, CASINGS, HATCHWAYS, VENTILATORS AND GENERAL EQUIPMENT HAVE BEEN EXAMINED AND FOUND SATISFACTORY.

THE PUMPING ARRANGEMENTS, WINDLASS AND STEERING GEAR HAVE BEEN TESTED AND FOUND SATISFACTORY.

EMERGENCY EQUIPMENT HAS BEEN SUPPLIED WITH OWNER'S CONSENT.

SPARRING HAS NOT BEEN FITTED IN HOLDS. THERE WAS NO OPPORTUNITY TO CARRY OUT WATER TESTS DURING CONSTRUCTION.

AS THE DOUBLE BOTTOM TANKS AND PEAK TANKS WERE PRESSURE TESTED AS REQUIRED BY BRITISH CORPORATION RULES BEFORE THE SURVEY FOR THE SOCIETY'S CLASS WAS COMMENCED IT WAS NOT CONSIDERED NECESSARY TO PLACE THE

VESSEL IN DRY DOCK FOR REPEAT TESTING OF THESE TANKS: THE DOUBLE BOTTOM AND PEAK TANKS WERE INSPECTED AND WERE PRESSURE TESTED WITH THE VESSEL AFLOAT AND FOUND SATISFACTORY.

The amount of Entry Fee £ 52. 10. 0

Special Survey Fee £ 10. 0. 0

Travelling Expenses, if any £

Fees applied for,

Received by me,

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

(Special notations, where part of class, to be stated.)

State whether the Vessel has been built under Special Survey NO

Certificate sent to GREENOCK OFFICE. Date of issue 27/9/46

Signature W. H. Millar
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 11 SEP 1946

Character assigned 100 A.I.

8.46

JRA

LPH. S. 8.46

Lloyd's Register

Note: Bapt.

Cargo battens not fitted

Record Closed 8.46.

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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 "THE MONARCH" (GEO. BROWN'S N^o 234)

THE FOLLOWING APPROVED PLANS ARE FORWARDED HERewith.

MIDSHIP SECTION.

SHELL EXPANSION.

RUDDER & STERNFRAME.

DECK, HATCHES & PILLARS.

AFT END & FORE END FRAMING.

NO PLANS "AS BUILT" ARE AVAILABLE.

PARTICULARS OF ELECTRIC WELDING (if employed) BUTTS OF FLAT PLATE KEEL. BUTTS OF ALL SHELL PLATES EXCEPT "A" STRAKE. BUTTS OF POOP, RAISED QUARTER DECK AND FORECASTLE SIDE PLATING.

BUTTS & SEAMS OF TANK TOP. MARGIN PLATE TO SHELL. GUSSET PLATES TO MARGIN.

UPPER DECK STRINGER PLATE (WITHIN FORECASTLE ONLY) TO SHELL. UPPER DECK STRINGER PLATE (WITHIN POOP ONLY) TO SHELL.

CROWN OF FORE PEAK TANK TO SHELL. BILGE KEELS TO SHELL. FORE PEAK STRINGER TO SHELL.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book MACHINERY AFT. CRUISER STERN. CARGO BATTENS NOT FITTED. LLOYD'S A. & C.P. PART ELEC. WELDED.

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

1st Bower	15 CWTs	3 qrs	11 LBS	(INC. PIN)	G.H.B (B.C)	N ^o 418	24/8/44
2nd "	15 "	3 "	25 "	"	"	" 417	"
STREAM	5 "	1 "	22 "	"	"	" 479	14/2/45.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 49 ft., R.Q.D. 94 ft., Bridge 13 ft., Forecastle 26 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 169482

Signal Letters GQGD.

Extreme Breadth over Belting
(Circ. 1611)

Over-all Length 211.75
(Circ. 1703)

No. and Material of Decks ONE DECK. STEEL.

Parts of Bottom of Vessel coated with cement ~~or approved composition~~ CEMENT FILLETS IN BOTTOM SHELL. PEAKS CEMENTED.

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,			Fore peak tank,		61
Double bottom, under Engines and Boilers,			After peak tank,		22
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	8	10	Deep tank, forward,		
Double bottom, forward,	126	213	Other tanks, if fitted,		
Total length (if continuous) and Capacity	134	223	(If necessary, furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys held while building

MAY. 6. 17. 20.
JUNE. 4. 5. 7. 26. 27.
JULY. 23. 26. 31.
AUGUST. 9. 30. 31.



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Total No. of Visits 14.