

State if Report is sent on the Machinery of the Vessel YES

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW MOTOR VESSEL "SERENITY" (MACHINERY AFT.)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING. State Type of Erections ROR, D.C. & F.C.E.

CLASS 100 A 1.

State if with freeboard
as condition of Class

No.

Built at GREENOCK

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3. (1a)

156.0

Launched 12TH JUNE, 1937. Yard No. 201.

Total

Breadth (*greatest moulded*)

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

27.5

Builders **GEORGE BROWN & Co. (MARINE) LTD.**

Gross Tonnage 487.43

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

1671

Owners F.T. EVERARD & SONS, LTD

Register Tonnage 244.07

2nd Numeral $L \times (B + D)$

5961

Managers.....✓

REGISTERED DIMENSIONS.

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

9.

Residence LONDON

157.8.

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

14

Port of Registry LONDON.

dth 27 7

Do. ~~Long Bridge~~ to top
R. Q.R. Dr. of keel

11.

If surveyed while building, afloat, or in dry dock

q. 55.

Draught Moulded

(0-

BUILDING & AFLOAT.

FRAMES, ^{SINGLE}~~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.
S, Spacing amidships	21"	✓	Bracket Floors, Frame		
" from $\frac{3}{8}$ length to Collision bulkhead.....	21"	✓	" " Reversed Frame		
" in peaks	AFT PEAK 18" x 21" FORE " 21"	✓	" " Vertical Struts		
FRAMING.			Centre Girder, depth and thickness amidships		
Amidships, 5" x 3" x 30"	5" x 3" x 30"	✓	" " top Angles		
" Extends up to UPPER DECK & R. Q. DECK		✓	" " bottom Angles		
sed Frame Amidships, Angle TOP OF FLOORS 3" x 3" x 30"	3" x 3" x 30"	✓	Side Girders, No. each side and thickness		
" Extends up to ACROSS TOP OF FLOORS		✓	Margin Plate depth (excl. of flange) and thickness		
of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
es in Uppermost Continuous 'tween Decks, Angle, [or]	✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		
" Second 'tween Decks, Angle, [or]	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" Third " " " " " "	✓		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
ng in Peaks, 5" x 3" x 30"	5" x 3" x 30"	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
ter and Spacing of Rivets through Frame and Shell Plating amidships	$\frac{3}{4}$ " RIVETS, $\frac{5}{8}$ "	✓	INNER BOTTOM PLATING.		
f Frame Joggled	No.	✓	Breadth and thickness of Middle Line Strake		
G ARRANGEMENTS (Sec. 7), state system and particulars	ONE SIDE STRINGER ATTACHED AS PER APPROVED PLAN.	✓	Thickness of remainder in Holds		
THENING OF BOTTOM FOR ID. State Particulars	DOUBLE FRAMES, INCREASED SHELL & RIVETING S/L DIAPHS. 5" x 3" x 32" B.A. REV. FCS. ACROSS TOP OF FLOORS ADDIT. SIDE KEELSONS.	✓	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?		
BOTTOM.			BEAMS.		
Depth and thickness at mid-line in Holds	18" x 375" AT G. 20" x 375" AT SIDES. (HEIGHT RAISED FORE END)	✓	Uppermost Continuous Deck, amidships in Wells, Angle, [or]	42" x 3" x 36"	✓
Height of Brackets at side above base line at toe of frame	No BRACKETS	✓	" " in way of Bridge, Angle, [or]	✓	
Line Keelson, on Floors, Angles, 2" x 3" x 30" DOUBLE	4" x 3" x 38"	✓	Spacing	21"	✓
" " Through Plate or Intercoastal Plate	32"	✓	RAISED QUARTER Second Deck, amidships, Angle, 2" x 3" x 30" CARLINGS	5" x 3" x 34" 3" x 3" x 30"	✓
" " Foundation Plate on Floors	✓		Spacing	21"	✓
" " Flat Plate Keel Angles	3 1/2" x 3 1/2" x 36"	✓	Third Deck, amidships, Angle, [or]	✓	
Keelsons, No. each side	TWO	✓	Spacing	✓	
" thickness of Intercoastal Plate	27"	✓	Fourth Deck, amidships, Angle, [or]	✓	
" Angles	6" x 3" x 42" (DOUBLE FORWARD)	✓	Spacing	✓	
LE BOTTOM.			Poop Deck, Angle, [or]	✓	
1 Floors, thickness and spacing			Spacing	✓	
" Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, [or]	✓	
cket Floors, breadth and thickness at middle line			Spacing	✓	
" breadth and thickness at margin plate			Forecastle Deck, Angle, 2" x 3" x 30"	6" x 3" x 32" 5 1/2" x 3" x 37"	✓
			Spacing	21"	✓

W449-0339 C1121

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.
PILLARS, No. of Rows..... ONE.		✓		
" in 'tween Decks, Size and Spacing	✓			
" " " " "	✓	APPROVED.		
" in Holds UNDER " R. QR. DK."	{ 3 3/4" & 3" DIA. 6"x5"x25 LBS. H BAR AT MATCH ENDS ✓ SPACING - 3'-6" 3 3/4" & 3" DIA. 6"x5"x25 LBS. H BAR AT MATCH ENDS. SPACING - 3'-6" ✓	3" DIAR. APPROVED. 3' & 3 1/4" DIAR.		
" " UNDER " UPP. DK."				
Centre Line Bulkhead.				
Stiffeners and Spacing.....	✓			
Plating, thickness of	✓			
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	49" x '38"	✓		
" " " " , in way of Bridge	✓			
" Angle in Wells	3 1/2" x 3 1/2" x '38"	✓		
Thickness of Plating abreast Deck openings } in way of Wells	STRINGER PLATE '36"	✓		
Thickness of Plating abreast Deck openings } in way of Bridge	✓			
Thickness of Plating within line of openings..	'375"	/ also see plans		
If Sheathed, material and thickness	NO SHEATHING.			
R. QR.				
Second Deck.				
Stringer Plate, breadth and thickness in Wells..	47" x '375"	✓		
Stringer Plate, breadth and thickness in way of Bridge	✓			
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..	'375"	/ also see plans		
If Sheathed, material and thickness	NO SHEATHING.			
Third Deck.				
Stringer Plate, breadth and thickness.....	✓			
If Plated, state thickness.....	✓			
Fourth Deck.				
Stringer Plate, breadth and thickness.....	✓			
If Plated, state thickness	✓			
Poop Deck.				
Stringer Plate, breadth and thickness	✓			
Plating, Sheathing, material and thickness ...	✓			
Bridge Deck.				
Stringer Plate, breadth and thickness.....	✓			
Plating, Sheathing, material and thickness ..	✓			
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	'25"	✓		
Plating, Sheathing, material and thickness ..	5' x 2 1/2" WHITE BURNED HARDWOOD.	✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	No. /		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.				Diam.					Spacing cr. to cr.
FLAT PLATE KEEL	45	52 ✓	50 ✓	50 ✓		DOUBLE	3/4	3	TREBLE & DOUBLE.	3/4	2 5/8	LAPPED.	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes ... TWO ...		50 ✓	50 ✓	50 ✓		DOUBLE	3/4	3	DOUBLE	3/4	2 5/8	LAPPED.	
BILGE PLATING, No. of Strakes ONE		50 ✓	50 ✓	50 ✓		"	3/4	3	"	3/4	2 5/8	"	
SIDE PLATING, No. of Strakes ONE & TWO ...		50 ✓	50 ✓	50 ✓		"	3/4	3	TREBLE & DOUBLE.	3/4	2 5/8	"	
UPPER DECK, Sheer- strake in Wells	61"	50 ✓	50 ✓	50 ✓		"	3/4	3	" & "	3/4	2 5/8	"	
R. & L. DECK, Sheer- strake in Bridge ...	39"	50 ✓	50 ✓	50 ✓		"	3/4	3	QUADRUPLE AT BREAK	7/8	3 1/2	"	
STRAKE BELOW Sheer- strake in Wells	SAME AS SIDE	PLATING.	✓			SAME AS SIDE	PLATING.	✓					
STRAKE BELOW Sheer- strake in Bridge ...		✓	✓	✓									
POOP SIDE PLATING		✓	✓	✓									
BRIDGE SIDE PLATING ...		✓	✓	✓									
FORECASTLE SIDE PLATING		25"	✓	✓		SINGLE	3/4	3	SINGLE.	3/4	2 5/8	LAPPED.	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 3

„ Deck next below 3

As per Rule 3

2 W.T. + 20 T. - 4.
10 F. Bulkhead
= 3 Bulk for R.P.

STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD,	Upper tween decks					
"	Second "					
"	Third "					
"	Holds ^{BHD. 22} C.F. RUNNER	34" x 30"	5" x 35" FLAT BARS.	25"	STIFFS ELECT. WELDED	
			8" x 3" x 45' B.A.B.	21" ^g		
COLLISION	(in Hold)	35" x 30"	9" x 3" x 50' B.A.	24" ^g	✓	✓
			5" x 3" x 34' L & R			
AFTER PEAK	" "	34" x 30"	6" x 3" x 42' L	24"	RECESSED FLAT.	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		FLAT PLATE	✓ KEEL.	
STEM		ROLLED. $6" \times \frac{1}{8}"$	✓	
STERN FRAME { Propeller Post	FORGING	$5\frac{3}{4}" \times 3"$	EMERSON	
{ Rudder "	"	$5\frac{3}{4}" \times 3"$	WALKER, LTD.	
Speed of Vessel $9\frac{1}{2}$ KNOTS. ✓				
RUDDER—Type		BALANCED TYPE.		
" A x D 58×40 ✓				
" Diam. of head	FORGING.	$4\frac{3}{4}"$ ✓		
" Mainpiece at top pintle	"	$5\frac{1}{2}"$ ✓	EMERSON WALKER LTD.	
" " heel ...	"	$4\frac{1}{2}"$ ✓		
" how constructed	FORGED,	ARMS SHRUNK & KEYED TO MAIN STOCK.		
" double or single plate		$28"$ ✓		
" coupling, vertical or				
" horizontal	WITH	$6 - \frac{1}{8}"$ DIA. BOLTS.		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH. COLVILLES, LTD., THE STEEL COY. OF SCOTLAND LTD., LANARKSHIRE STEEL CO. LTD., DORMAN, LONG & Co. LTD. CONSETT IRON CO. LTD.
	Has the Steel been tested as required by the Rules? YES.

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.)

Plans of Vessel as built (i.e. midship section, Profile & Decks) together with the approved plans and Fording Reports as detailed on separate list are forwarded.

Steering Gear Spares for Red Chain gears:— The Owners stated that these spares would be placed on board vessel on arrival at their Works at Greenhithe.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book CRUISER STERN. MACHINERY AFT.
OVERALL LENGTH:— 164.6 FEET. ✓ EXTREME BREADTH OF VESSEL TAKEN OVER MOULDING— 27.95 FEET. ✓

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.
1st Bower (INCL. PINS.) 7#. 0qrs. 2lbs. R.L. No. 4496: 31-7-36.
2nd " (" ") 7#. 1qr. 0lbs. W.H. No. 5589: 28-2-36.
3rd " (" ") 5#. 2qrs. 2lbs. R.L. No. 5105. 4-9-36.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 97.75 ft., Bridge ✓ ft., Forecastle 16.75 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 1 DK. ✓

Official No. 165499. ; Signal Letters pt asp Is bottom of vessel coated with cement No. if not give
particulars of composition BITUMASTIC ENAMEL ON BOTTOM OF VESSEL, CEMENT IN AFTER & FORE PEAK TANKS. ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,		✓	Fore peak tank,		81
Double bottom, under Engines and Boilers,		✓	After peak tank,		47.
Double bottom, if under Engines only,		✓	Deep tank, aft,		✓
Double bottom, if under Boilers only,		✓	Deep tank, forward,		✓
Double bottom, forward,		✓	Other tanks, if fitted,		✓
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 3401.

Date 13TH OCTOBER 1936.

Dates of Surveys held while building

(1936) SEPT. 30. OCT. 2. 6. 8. 15. 19. 23. 24. NOV. 3. 6. 10. 12. 16. 18. 24. 25. 26. DEC. 2. 4. 9. 11. 14. 18. 23. 30. (1934) JAN. 4. 11. 13. 15. 18. 20. 21. 25. 26. 28. FEB. 2. 4. 8. 9. 11. 15. 14. 19. 22. 24. 26. MAR. 2. 5. 8. 10. 16. 18. 19. 24. 26. 29. 31. APRIL 4. 9. 10. 12. 22. 28. 30. MAY 3. 5. 4. 10. 13. 14. 19. 25. JUNE 1. 3. 7. 9. 12. 18. 23. 25. 29. 30.

Total No. of Visits 82