

## STEEL STEAMER or MOTORSHIP

Received at London Office

16 NOV 1927

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YES

Date of completion of report

9th November 1927

Port of

GREENOCK

No. 18796

Survey held at

PORT GLASGOW

Date First Survey

6th April 1926

Last Survey

4th November

1927

On the (State if Machinery, Hull, etc.)

SINGLE SCREW "QUERCUS"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Opening)

FULL SCANTLING

State Type of Erections POOP, BRIDGE &amp; FACILE

TONNAGE under Tonnage Deck

4327.38

CLASS 100A1

State if with freeboard as condition of Class

No

Built at PORT GLASGOW

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 384.0

Launched 11th August 1927 Yard No. 793

Total

4327.38

Breadth (greatest moulded)

B 51.75

Builders LITHGOWS LIMITED

Gross Tonnage

4564.47

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

D 29.0

Owners ARBOR SHIPPING CO LTD

Register Tonnage

2897.25

1st Longitudinal Number (L x D) = 11136

Managers

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

BEVIS MARK HOUSE

Residence 23/24 BEVIS MARKS, LONDON.

## REGISTERED DIMENSIONS.

FEET.

Length

385.0

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

17.04

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

13.24

Port of Registry LONDON.

Breadth

52.0

Do. Long Bridge to top of keel

10.45

If surveyed while building, afloat, or in dry dock

Depth

26.6

Draught Moulded 25.94

BUILDING &amp; 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	28"				Bracket Floors, Frame	B.A.	6 1/2	3 1/2	34
" " from 1/2 length to Collision bulkhead	27"				" " Reversed Frame	B.A.	6	3	36
" " in peaks	24"				" " Vertical Struts	PLATES 2" x 1/2"	24"	18"	38
SIDE FRAMING.					Centre Girder, depth and thickness amidships		4 1/2		51
Frame Amidships, Angle, E or C	9 1/2	3 1/2	48		" " top Angles		3 1/2	3 1/2	48
" " Extends up to	2ND DECK.				" " bottom Angles		4	4	55
Reversed Frame Amidships, Angle	BULB ANGLE FRAMING				Side Girders, No. each side and thickness		1	2	38
" " Extends up to					Margin Plate depth (excl. of flange) and thickness		4 1/2		49
Depth of Framing Girder					" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		5	5	43
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	7	3 1/2	36		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		6	6	41
" " Second 'tween Decks, Angle, E or C					" " Gussets, spacing and scantling abaft 1/2 len. from stem & forward		3 1/2	3 1/2	43 AT WEB FR SYSTEM.
" " Third " " " "					" " Gussets, spacing and scantling forward 1/2 len. from stem				ON EVERY FRAME
Framing in Peaks, Angle or C	7 1/2	3	34		Tank Side Brackets, height above base line at toe of Frame and thickness		6 1/2		43
Diameter and Spacing of Rivets through Shell Plating	7/8 R	2	6"		INNER BOTTOM PLATING.				
State if Frame Joggled	YES.				Breadth and thickness of Middle Line Strake		70"		46
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	WEB FRAME SYSTEM WITH 3 SIDE STRINGERS AS PER APP'D PLAN.				Thickness of remainder in Holds				41
STRENGTHENING OF BOTTOM FORWARD. State Particulars	DOUBLE FRAMES IN BOTTOM FORWARD OF 3/8" L FORD, AND ADDITIONAL INTER GIRDERS AS APPROVED.				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.		
DOUBLE BOTTOM.					BEAMS.				
Floors, Depth and thickness at mid-line in Holds					Uppermost Continuous Deck, amidships in Wells, Angle, E or C		6	3	46
Height of Brackets at side above base line at toe of frame					" " in way of Bridge, Angle, E or C		6	3	42
Middle Line Keelson, on Floors, Angles, E or C					Spacing		EVERY FRAME		
" " Through Plate or Intercoastal Plate					Second Deck, amidships, Angle, E or C		6 1/2	3	40
" " Foundation Plate on Floors					Spacing		EVERY FRAME		
" " Flat Plate Keel Angles					Third Deck, amidships, Angle, E or C				
Side Keelsons, No. each side					Spacing				
" " thickness of Intercoastal Plate					Fourth Deck, amidships, Angle, E or C				
" " Angles					Spacing				
DOUBLE BOTTOM.					Poop Deck, Angle, E or C		6	3	30
Solid Floors, thickness and spacing	38	EVERY 3RD FR.			Spacing		ALTERNATE FR.		
" " Are Frame and Reversed Frame joggled?	YES				Bridge Deck, Angle, E or C		6	3	38
Bracket Floors, breadth and thickness at middle line	31 1/2	38			Spacing		EVERY FRAME		
" " breadth and thickness at margin plate	34	38			Forecastle Deck, Angle, E or C		8 1/2	3	38
					Spacing		ALTERNATE FR.		



## PILLARS AND DECKS.

[illegible]

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled? <u>ORDINARY.</u>	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 .....	49	76	66	66	X	DOUBLE	1"	40	4R	1"	4"	LAPPED.	
„ <del>Double (if any)</del>													
BOTTOM PLATING, No. of Strakes ..... }		60	46	46	X	"	7/8	3 1/2	3R	7/8	3/8	"	
BILGE PLATING, No. of Strakes ..... }		60	46	46	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes ..... }		58	44	44	X	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells..... }	50 1/2	86	44	44	X	"	1"	4	5R - 3R	1"	4 1/2	"	
UPPER DECK, Sheer-strake in Bridge ... }	50 1/2	60			X	"	7/8	3 1/2	3R	7/8	3/8	"	
STRAKE BELOW Sheer-strake in Wells..... }		76	44	44	X	"	1"	4	4R - 3R	1"	4"	"	
STRAKE BELOW Sheer-strake in Bridge ... }		60			X	"	7/8	3 1/2	3R	7/8	3/8	"	
POOP SIDE PLATING .....				38	X	SINGLE	3/4	30	1R	3/4	2 5/8	"	
BRIDGE SIDE PLATING ...		56			X	DOUBLE	7/8	3 1/2	3R	7/8	3/8	"	
FOREC'TLE SIDE PLATING				40	X	SINGLE	3/4	30	1R	3/4	2 5/8	"	

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *Four*

„ Deck next below *Two.*

As per Rule *Six.*

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	FORGING	9 1/4" x 2 3/8"	PORTLAND FORGE COY.	
STEERN FRAME { Propeller Post	CASTING	10 1/4" x 7 1/4"	SKODA WORKS	
{ Rudder	"	9" x 7 1/4"	LT <sup>o</sup>	
RUDDER—A x D		438.6		
Speed of Vessel		UNDER 10 K.		
RUDDER mainpiece at head	FORGING	9 1/2"	WITKON. BERGE,	
"                                heel	"	7 1/4"	& EISEHN.	
"                                how constructed		BUILT FORGING		
"                                double or single plate		SINGLE PLATE	1'06"	
"                                coupling, vertical or horizontal		VERTICAL		

STEEL. OPEN HEARTH PROCESS

"	"	"		BA		16" x 3/4"	ONE	Manufacturer's name or trade mark of the Steel used in the construction of the
"	"	Holds	45-28	7 x 3 x 30	24" x 30"	FLG & FACE	HALF DEPTH	Vessel (state process of manufacture) W. BEARDMORE & CO L <sup>d</sup> ; D. COLVILLE & SONS L <sup>d</sup> ;
<b>COLLISION</b>	"	(in Hold)	50-31	BA 52 x 32 x 34	24"	ONE SEMI BOX BEAM		STEEL COMPANY OF SCOTLAND L <sup>d</sup> ; J. DUNLOP & CO L <sup>d</sup> ; LANARKSHIRE STEEL CO L <sup>d</sup> ; STEWARTS
<b>AFTER PEAK</b>	"	"	45-30	BA 7 1/2 x 3 x 40	24	TUNNEL RECESS.		& LLOYDS; BOLCHOW VAUGHAN & CO; SKINNING ROVE IRON WORKS.
	"	"						Has the Steel been tested as required by the Rules? YES.



EQUIPMENT No. 32429.										LETTER	ANCHORS.							
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.							
29863	1st Bower ...	60	2	0	Stockless			48	12	2	0	60	BYERS.	H.L. BYERS & CO. LD	SUNDERLAND 29.3.27 J.H. BUTLER.			
29864	2nd „ ...	59	3	0	"			48	4	1	14	60				D°	D°	D°
29865	3rd „ ...	51	1	14	"			43	4	2	21	50½				D°	D°	D°
	Collective weight	171	2	14								✓ 170½						
42672	Stream .....	16	1	21	4	0	21	17	16	1	0	16¼	ORDINARY	R. SYKES & CO LD	CRADLEY HEATH 29.3.27 S. C. BULL			

CHAIN CABLES.										HAWERS 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.		
	Fathoms.	Ins.	Tons.	Break-ing.	Supplied.	Per Rule.	Cwts.	Fathoms.	Ins.					Length.	Ins.	Tons.	Fathoms.	Ins.	
30715	270	2 3/8	86 1/8	120 1/2	646 - 2 - 0	645 3/4		270	2 3/8	STUB LINK.	R. SYKES & Co. Ltd.	CARDIFF 30.3.27 A. JONES.	TOWLINE	120	4 3/4	47	120	4 3/4	
													HAWERS & WARPS	2290	2 3/4	15 1/2	2290	2 3/4	
													"	2290	2 1/2	12 1/2	2290	2 1/2	

Steering Gear, Steam BY MAC GREGOR & Co. PORT. GLASGOW. Steering Gear, Hand BY RELIEVING TACKLE TO WINCH ON POOP.

Boats 2 LIFEBOATS, 1 GIG, & 1 DINGY. Steering Chains, Size and Test 1 3/8 DIA. ; 22 5/8 TONS. STEAM Windlass BY CLARKE CHAPMAN & Co. Ltd.

Ceiling in Holds, thickness and material 2 1/2 W.P. UNDER HATCHWAYS ONLY. Cargo Battens, thickness, material and spacing 6" x 2" W.P. @ 9" SPACING IN HOLDS & TWEEN DECKS.

Cargo Hatchways.—(Upper Deck) STEEL CORNINGS & ANGLES. Thickness of Hatches 2 1/2 W.P. SOLID COVERS.

Size of No. 1 Hatchway (Forward) 24'9" x 19'0" No. 2 28'0" x 19'0" No. 3 14'0" x 19'0" No. 4 35'0" x 19'0" No. 5 25'8" x 19'0" No. 6

Number of Shifting Beams and for Fore and Afters No. 1 HATCH 4 WEBS; No. 2 HATCH 5 WEBS; No. 3 HATCH 2 WEBS; No. 4 HATCH 6 WEBS; No. 5 HATCH 5 WEBS.

Builder's Signature

For LITHGOWS LIMITED.

*[Signature]*

GENERAL DECLARATION This vessel has been built in accordance with the approved Plans & in general conformity with the Society's Rules for the class contemplated. The workmanship is good & the materials used throughout in the vessels construction are also good.

The Double Bottom Tanks, after Peak Tank, Deep Tank & the Fore Peak were tested as required by the Rules & found satisfactory.

The weather decks, shaft tunnel & W. T. Bulkheads were loose tested & found satisfactory.

Freeboard verified & marks put in on vessel's sides.

Copy of Letter from Owners regarding omission of Tween Deck Bulkhead aft attached to Report.

The amount of Entry Fee ..... £ 8 : 0 : 0

Special Survey Fee .... £ 303 : 4 : 0

FREEBOARD.

Travelling Expenses, if any £ 9 : 3 : 4

Fees applied for, 9<sup>th</sup> Nov. 1927

Received by me, 11<sup>th</sup> Nov. 1927

I am of opinion the Vessel should be Classed **\*100A1**

INTERMEDIATE TWEEN DECK BHP IN AFTER HOLD DISPENSED WITH.

4 BHP TO UPPER DECK; 2 BHP TO SECOND DECK.

State whether the Vessel has been built under Special Survey **YES.**

H.M. via Gls. Certificate to be sent to GREENOCK

Date of issue 17/11/27

Signature

*Robert Dunsmuir*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 15 NOV 1927**

Character assigned **+ 100A1**

11.27.

*Lloyds A.T.C.P.*

+ L.M.C. 11.27. F.D.

Intermediate Tween Deck BHP in after hold dispensed with.

4 BHP to upper deck. 2 BHP to second deck.



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00422/12



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.)

List of Plans.

✓ Midship Section (2 Row Pillars) Profile + Decks. (2 Row Pillars).  
Midship Section (3 Row Pillars) Profile + Decks (3 Row Pillars).  
Stern Frame. Rudder. H. T. Bulkheads. Web Frames. Pillars + Girders.  
Tunnel Plan. Strengthening in B. Bottom Forward. Cargo Hatches.  
Plan of 2<sup>nd</sup> Deck in E & B Spaces. Pumping Arrangements.  
Midship Section (as built). Profile + Decks (as built).  
Forging + Casting reports on Rudder, + Sternframe

This is practically a sister vessel to S. S. "MARGOT" Gk Rep No 18626  
with exception that a Rule Centre Line Bulkhead has been fitted.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	WEIGHT HEAD & PIN. 38 - 2 - 14	SURVEYORS INITIALS. K. H.	No OF CERTIF 4384	DATE OF TEST. 1. 3. 27.
	2nd "	27 - 3 - 21	K. H.	4387	1. 3. 27.
	3rd "	32 - 2 - 14	K. H.	4336	11. 2. 27.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33'42 ft., R.Q.D. ✓ ft., Bridge 112'0 ft., Forecastle 44'1 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)  
2 DKS (STL).

Official No. 149939 : Signal Letters

particulars of composition PORTLAND CEMENT ON BOTTOM IN D.B. TANKS UNDER ENGINES & BOILERS, ELSEWHERE CEMENT FILLETS IN D.B. TANKS.  
PORTLAND CEMENT IN PEAKS.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	119.0	354	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, N under Engines only,	39.7	82	Deep tank, aft,	30.33	16
Double bottom, N under Boilers only, DRY TANK.			Deep tank, forward,		784
Double bottom, forward,	172.75	576	Other tanks, if fitted,		
Total capacity of double bottom		1012	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 3144

Date 24<sup>th</sup> February 1926

Dates of Surveys held while building

(1926) Apr. 6. 9. 19. 26. May 6. 10. 12. 21. 28. June 2. 4. 8. 14. 25. 29. July 11. 20. 29. Aug. 4. 21. 26. Sept. 1. 9. 14. 21. Oct. 4. Nov. 11. 15. 29.  
Dec. 9. 15. 24. (1924) Jan. 12. 14. 19. 21. 25. Feb. 1. 9. 15. 22. Mar. 3. 9. 15. 22. 28. 31. Apr. 5. 11. 19. 20. 22. 29. May 2. 4. 5. 9. 11. 18. 24. 31.  
June 4. 15. 22. July 24. 29. Aug. 4. 15. 19. 21. Sept. 1. 20. Oct. 5. 11. 14. 17. 24. Nov. 2. 3. 4.

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Total No. of Visits 80