

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office. WED APR 24 1912

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

Date of completion of report *Glasgow* Port of *Glasgow* No. *3 351*
Survey held at *Glasgow* Date, First Survey *11. 9. 1911* Last Survey *16. 4. 1912*
On the **TWIN SCREW STEAMER "TAQUARY"** Rig *Schooner*

TONNAGE under
Tonnage Deck... *1598.99*
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper Dk. *56.82*
Do. of Poop *218.38*
Do. of R.Q.Dk. *39.65*
Do. of Bridge House *6.02*
Do. of Forecastle *22.87*
Do. of excess of Hatchways
Do. above Crown of Engine Room... *1942.73*
Gross Tonnage *68.72*
Less Crew Space
Less above Crown of Engine Room... *1874.01*
TONNAGE FOR FEES... *621.67*
Less Engine Room
Less Navigation Spaces *76.46*

CLASS *A.1. Brazilian*
Coasting
with Melboard
Breadth (greatest moulded) *45.0*
Depth, at middle of length from top of keel to top of upper deck beams at side... *17.5*
Transverse Number *62.5*
Length on deck from fore part of stem to after part of stern post *276*
Longitudinal Number *17250*
Depth "d," at middle of length (See Secs. 2 & 13) *14.5*
Proportions—Depth to Length—Upper Deck Beam at side to top of keel *15.77*
" " Long Bridge Deck Beam at side to top of keel *11.26*

Master *Titó José Evangelista*
Year of appointment *1912*
Built at *Glasgow*
When built *1912* Launched *24 Jan 1912*
By whom built *Mackie & Thomson Ltd*
Owners *Companhia Commercial e Navegação*
Managers *do do*
(Where necessary to be entered in Reg. Book.)
Residence *Rio de Janeiro*
Port belonging to *Rio de Janeiro*

Register Tonnage *1175.88* as cut on Beam... Destined Voyage *Rio de Janeiro* If Surveyed while Building, Afloat, *and* in Dry Dock *Yes.*

LENGTH on Deck as per Rule... *276* 0 BREADTH—Moulded... *45* 0 DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams *13* 5 7 4 No. of Decks with flat laid *One*
Do. do. do. do. Second Dk. Beams *5* 7 4 No. of Tiers of Beams *One*
Moulded depth, ft. *24* ins. *6* To Bridge Dk. Round of Upper *11 1/4* ins.
Moulded depth, ft. *17* ins. *6* To Upper Dk. Dk. Beam, Actual

FRAMING.				PILLARS.			
	Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, or E or L Bars amidships	7	3	42	PILLARS, In 'tween Deck, size and spacing			
Do. in peaks	5 1/2	3	40	" " Hold			
Do. in way of Double Bottoms at Solid Floors	3	3	32	" " Quarter 'tween Dks.,			
" " " " at intermdt. Bkts.				" " In Hold			
Spacing of Frames from centre to centre amidships		23 1/2		KEELSONS & STRINGERS.			
" " " " from #		23 1/2		CENTRE LINE KEELSON, Vertical Plate above			
" " " " length to Collision bulkhead				floors, Through Plate, or Intercoastal Plate			
" " " " in peaks				" Rider Plate			
REVERSED FRAME, Angles				" Flat Plate Keel Angles			
Do. in way of Double Bottoms at Solid Floors	3	3	32	" Horizontal Plates on Floors			
" " " " at intermdt. Bkts.				" Angles or Bulb Angles			
FRAMING, depth of girder	7		7	SIDE KEELSONS, Number			
FLOORS, depth and thickness of Floor Plate				" Angles or Bulb Angles			
" " " " at mid line for # length amidships				" Plate above floors, for length			
" " " " in way of Engine and Boiler Spaces				" Intercoastal Plate, for length			
" " " " thickness at the ends of vessel		36	36	" Attached to outside Plating with Angle			
" " " " depth at 3/4 the half breadth, as per Rule				BILGE KEELSON, Angles			
" " " " height extended at the Bilges		32	32	" Intercoastal Plate for length			
FLOORS & BRACKETS in Cell Dble Bottoms				" Attached to outside Plating with Angle			
" " " " state if flanged (top & bottom)				SIDE STRINGERS, Number			
" " " " Spacing		23 1/2	23 1/2	" " Angle			
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.		36	42	" " Intercoastal Plate, for whole length			
" " " " Angles, Top (double)	3	3	40	" " Attached to outside plating with Angle			
" " " " Bottom (double)	4	4	48	Upper Deck Stringer Plate, br'dth & thickness			
" " " " to Floors	3	3	32	" " " " (clear of Bridge)			
SIDE GIRDERS, number on each side & thickness		240	30	" " " " br'dth & thickness			
" " " " state if flanged (top and bottom)				" " " " (in way of Bridge)			
" " " " Angles (top and bottom)	3	3	32	" " " " Angle (clear of Bridge)			
" " " " to Floors	2 1/2	2 1/2	32	" " " " Tie Plate at sides of Hatchways			
MARGIN PLATE, depth (exclusive of flange)	30		30	" " " " Deck * Iron or Steel, for whole lng.			
" " " " and thickness	3 1/2	3 1/2	36	" " " " Thickness (clear of Bridge)			
" " " " Angles to Outside Plating	3	3	32	" " " " (in way of Bridge)			
" " " " Floors	3	3	32	" " " " Wood Deck. Material & thcknss.			
" " " " Height of Brackets above at bilge		18	18	Second Deck Stringer Plate, br'dth & thickness			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	34		40	" " " " Angles on ditto, No.			
" " " " in Engine and Boiler space	38 E.S.	48 B.S.	38 E.S.	" " " " Tie Plates outside Hatchways			
" " " " Remainder in Holds		32	32	" " " " Deck * Iron or Steel, for lng.			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	44	" " " " Wood Deck. Material & thickness			
" " " " Angles on upper edge	6 1/2	3	40	Third Deck Stringer Plate, br'dth & thickness			
" " " " In way of Long Bridge	23 1/2		23 1/2	" " " " Angles on ditto, No.			
" " " " Spacing				" " " " Tie Plates outside Hatchways			
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3 1/2	55	" " " " Deck * Material and thickness			
" " " " Angles on upper edge	47		47	Fourth and Fifth Deck Stringer Plate, breadth & thickness			
" " " " Spacing				" " " " Angles on ditto, No.			
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	50	" " " " Tie Plates outside Hatchways			
" " " " Angles on upper edge	47		47	" " " " Deck * Material & thickness			
" " " " Spacing				Poop Deck Stringer Plate, breadth & thickness			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	50	" " " " Angle on ditto			
" " " " Angles on upper edge	47		47	" " " " Tie Plates			
" " " " Spacing				" " " " Deck. Material and thickness			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3 1/2	55	Bridge Deck Stringer Plate, br'dth & thickness			
" " " " Angles on upper edge	47		47	" " " " Angle on ditto			
" " " " Spacing				" " " " Tie Plates			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	50	" " " " Deck. Material and thickness			
" " " " Angles on upper edge	47		47	Forecastle Deck Stringer Plate, br'dth & th'kns			
" " " " Spacing				" " " " Angle on ditto			

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

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[illegible]

EQUIPMENT No. 18124				LETTER T				ANCHORS.				TONNAGE U. DK. OR PLATING No. FOR TRAWLERS						
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.				
14938	1st Bower ...	36	0	0	Stockless			33	2	2	0	35	2	-	Byers Stockless	not stated	Shedland 11/11/11 A. Green	
14956	2nd " ...	35	3	14	do			33	0	2	14	35	2	-	do	do	1/16/11 Haffner	
14943	3rd " ...	30	0	14	do			28	14	1	14	30	-	-	do	do	3/11/11 do	
	4th " ...							Certificates for lost stock anchor heads produced										
	Collective weight	102	-	-								101	-	-				
13	Stream	9	3	0	2	2	4	11	15	2	14	9	1	-	Ordinary	not stated	Bradley Haffner 10/11/11 S.C. Paul	
1	Kedge.....	4	3	0	1	0	22	7	2	2	0	4	3	-	do	do	10/11/11 do	

If Patent state name of Patentee.

Stockless state Mechanical Tests.

CHAIN CABLES.										HAWSERS AND WARPS.									
No. of Ste.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and Size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 31.			
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
6	120	1 3/4	55 1/2	77 1/2	190.0.21	370.1.22	240	1 3/4	Steel and British Chain Co.	Shedland 10/11/11	Towline	90	3 1/2	26	90	3 1/2	Hemp		
8	120	1 3/4	do	do	192.1.4			do	do	do	Hawsers & Warps	2090	6	Warp	2090	6	Warp		
Hemp Wire	75	Cir. 4		83	-	-	75	Cir. 4	Steel wire			" "	1290	4 1/2	Manila	1290	4 1/2		

Number *Two* *1st Bower, 1 ordinary to forepeak* Steering Gear, Steam *Port & Starboard* Steering Gear, Hand *Port & Starboard*
 ss is *Emerson Walker & Thompson Bros. Ltd.* Capstan *Yes* State whether they are in efficient working order *Yes*
 Room Skylights. How constructed? *Plates & angles* What arrangements for deadlights in bad weather? *Jackstays for covers*
 Tank Openings. How constructed? *Plates & angles* How are lids secured? *To be secured by bolts & battens* Height above deck? *15"*
 of Scuppers, and numbers and dimensions of Freeing Ports, &c. *8 Scuppers each side; 8 freeing ports each side 2'6" x 1'6"*
 in Holds, thickness and material. *2 1/2" W.P.* Cargo Battens, thickness and material. *1 1/2" W.P.*
 Hatchways. How formed? *Plates and angles* Hatches, If strong and efficient? *Yes*
 No. 1 Hatch (Forward) *23'6" x 16'0"* No. 2 Hatch *23'6" x 16'0"* No. 3 Hatch *23'6" x 16'0"* No. 4 Hatch *23'6" x 16'0"*
 of Web Plates, Shifting Beams and Fore and Afters to each Hatch *Two webs and knee fore and afters*
 No. of Breasthooks *Three* No. of Crutches *One*
 Height above deck and description *4 ft. plates* Main Rail, material and size *7 x 3 x 35 butt angle*
 Is a correct description. *Yes* Surveyor's Signature *George Nicol*
 Signature (here only) *R. H. B. Thomson* Director Surveyor to Lloyd's Register of British and Foreign Shipping.

Endorsement. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) *M. 13/6/11, M. 4/8/11*
18/11, M. 28/8/11, E. 13/10/11, M. 23/1/12

Ships. Are the butts of plating planed or otherwise fitted? *planed*
 Work properly closed? *Yes*
 Are the frames and plates solid single pieces? *Yes* Do the holes for riveting plate to frames, butt straps, or plate
 te, &c., conform well to each other? *Yes* Are the rivet holes well and sufficiently countersunk in the plate and punched
 the faying surfaces? *Yes* Do any rivets break into or through the seams or butts of the plating? *a few*
 Butts of Plating, Stringers, &c., properly shifted and strapped? *Yes*
 Have upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *Satisfactory*
 Have gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *Satisfactory*
 Remarks (State quality of workmanship, &c.) *Workmanship good*
This vessel has been built in accordance with the approved plans, the
retary's letters of the above mentioned dates, and in general conformity
with the Rules for the class contemplated.

1. forging and 1 steel casting report and 6 approved plans herewith. Please return
ans for use in dealing with sister vessel.
Vessel sustained considerable damage to the lower bottom plating, floors &c. at
fore end, on the day of the trial trip, through, it is stated, having grounded
at the Craig on the River Clyde. The vessel was subsequently dry docked in
and efficiently repaired - see copy of damage survey report attached
the whole of the repairs recommended in which have been carried out
satisfactory manner. Summary of damage repairs given overleaf.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

The amount of Entry Fee £ 4 : 0 : 0 Fees applied for, *10/10/11*
 Special Survey Fee £ 71 : 17 : 0 Received by me, *22/4/12*
 Travelling Expenses, if any *10 : 10 : -* Certificate to be sent to *Glasgow* Date of issue *15/5/12*
 State whether the Vessel has been built under Special Survey *Yes*
 I am of opinion this Vessel should be Classed *A.1. Brazilian Coasting*
 With, or without Freeboard, as condition of Class *with Freeboard* Surveyor to Lloyd's Register of British and Foreign Shipping. *George Nicol*

Committee's Minute **GLASGOW 23 APR 1912**

Character assigned *A1*
Brazilian Coasting with freeboard 52" 9 1/2
4. 12.
Lloyd's A & C R
+ L M C 4. 12.

Ref. Inchy



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Lloyd's Register
Foundation

Summary of Damage Repairs

Lower part of stem bar cut out, faired, repaired, and refitted
Shell Plating Port. Starb.

A. Strake.	2 plates renewed, 1 removed, faired & refitted 2 faired in place	2 plates renewed, 2 removed, faired and refitted, 1 faired in place
B. / do.	3 plates renewed, 2 removed, faired & refitted, 1 faired in place	2 plates renewed, 2 removed, faired and refitted, 1 faired in place
C. do.	3 plates renewed, 1 removed, faired and refitted, 2 faired in place	2 plates renewed, 1 removed, faired and refitted, 1 faired in place
D. do.	3 plates renewed, 2 removed, faired and refitted, 1 faired in place	2 plates renewed, faired and refitted, 1 faired in place
E. do.	3 plates renewed, 1 removed, faired and refitted, 1 faired in place	3 plates faired in place
F. do.	2 plates renewed, 2 removed, faired and refitted	
Frames in Peak.	3 removed, faired, and refitted	3 removed, faired, and refitted
Frames in N ^o . 1	3 renewed, 9 removed, faired, and refitted	
hold above margin of tank	7 faired in place	
Frames in Tank	4 (double) removed, faired, & refitted	2 (double) renewed, 1 (single) renewed, 4 (double) removed, faired & refitted, 2 (single) removed, faired, and refitted
Rev. frames in Tank		2 removed, faired and refitted
Floors in Peak	3, extending full breadth of vessel, removed, faired, and refitted	
Floors in N ^o . 1 Tank	4 plates removed, faired, and refitted	2 plates renewed, 6 removed, faired, and refitted
Tank Stues	8 renewed, 3 removed, faired, & refitted	4 removed, faired, and refitted
Tank Margin Plate	1 plate faired in place	1 plate renewed, 1 removed, faired and refitted

Collision Bulkhead: Frame bar partly renewed, port and starb., 3 plates renewed, 1
 plate faired in place

Centre girder and tank side girders repaired as necessary
 Snagging repairs effected

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 26.75 ft., R.Q.D. — ft., Bridge 61 ft., Forecastle 22.16 ft.
 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it
 should appear in the Register Book) 1 BR Stl & Deck Plating

Official No. ; Signal Letters

State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside Cement and Paint

Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. Cellular

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	86.16	212.54	Fore peak tank,	18	126
Double bottom, under Engines and Boilers,			After peak tank,	17.62	127
Double bottom, if under Engines only,	13.7	43 "	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	113.58	314	Other tanks, if fitted,		
Total capacity of double bottom		569	(If necessary, furnish further information by sketch.)		

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

State whether the above have been tested as required by the Rules. Yes

Order for Special Survey No. 4594

Date 28.7.11.

No. 426 in builder's yard.

DATES of Surveys
held while building

1911. July 11. Aug. 1. 2. 8. 10. 17. 28. Sept. 4. 6. 14. 19. 21. 26. Oct. 2. 4. 11. 13. 16. 20. 23. 30. Nov. 9. 16. 22. 30.
 Dec. 7. 8. 12. 13. 15. 18. 21. 25. 27. 1912. Jan. 10. 11. 15. 16. 19. 20. 24. 29. Feb. 13. 22. 23. 24.
 DAMAGE: 1912. Feb. 27. 28. March 1. 8. 11. 14. 15. 18. 20. 21. 25. 26. 27. 28. 29. April 1. 2. 11. 15. 16.

Total No. of Visits 66.

Surveyor's Signature

George Nicol

Lloyd's Register
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