

STEEL ~~STEAMER~~ OF MOTORSHIP.

Received at London Office 33 AUG 1928

State if Report has been sent on the Freeboard of the Vessel No.

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

Date of completion of report 29<sup>th</sup> August 1928. Port of Southampton. No. 13311.  
 Survey held at Southampton. Date First Survey 20<sup>th</sup> April 1928. Last Survey 27<sup>th</sup> August 1928.  
 On the (State if Machinery fitted with or without Torpedo Openings) Single screw motorship "PATO REAL". Machinery Amidships.

State Type (Full Seaming, Complete Superstructure with or without Torpedo Openings)

State Type of Erections None

TONNAGE under Tonnage Deck

CLASS A- For Towing. State if with freeboard SERVICES AT BUENOS AIRES. condition of Class

Built at Southampton.

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 50

Launched 17<sup>th</sup> August 1928 Yard No 1082.

Total

Breadth (greatest moulded) B 13.5

Builders John I. Thornycroft &amp; Co. Ltd.

Gross Tonnage 23 Approx.

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 6.0

Owners Compañia Argentina de Lanchas

Register Tonnage

1st Longitudinal Number (L x D) = 300

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

REGISTERED DIMENSIONS. FEET.

2nd Numeral L x (B + D) = 975

Residence PASEO COLON 195 BUENOS AIRES.

Length

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

Port of Registry BUENOS AIRES

Breadth

Proportions—Depth to Length—Uppermost continuous deck to top of keel 8.33.

If surveyed while building, afloat, or in dry dock

Depth

Do. Long Bridge to top of keel

Building and afloat.

Draught Moulded 4.6

## 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.
<b>FRAMES, Spacing amidships</b>					<b>Bracket Floors, Frame</b>				
" " from 1/2 length to Collision bulkhead	20				" " Reversed Frame				
" " in peaks	20				" " Vertical Struts				
<b>SIDE FRAMING.</b>					<b>Centre Girder, depth and thickness amidships</b>				
Frame Amidships, Angle, $\frac{1}{2}$ or $\frac{1}{4}$	2 1/2	2	22		" " top Angles				
" " Extends up to	Deck				" " bottom Angles				
Reversed Frame Amidships, Angle Flanged floor 2 1/2					<b>Side Girders, No. each side and thickness</b>				
" " Extends up to					<b>Margin Plate depth (excl. of flange) and thickness</b>				
Depth of Framing Girder	2 1/2				" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem				
Frames in Uppermost Continuous 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{1}{4}$					" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem				
" " Second 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{1}{4}$					" " Gussets, spacing and scantling abaft 1/2 len. from stem				
" " Third " " " "					" " Gussets, spacing and scantling forward 1/2 len. from stem				
Framing in Peaks, Angle $\frac{1}{2}$ or $\frac{1}{4}$	2 1/2	2	22		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1/2	3 1/2			<b>INNER BOTTOM PLATING.</b>				
State if Frame Joggled	No.				Breadth and thickness of Middle Line Strake				
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars					Thickness of remainder in Holds				
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars					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?				
<b>SINGLE BOTTOM.</b>					<b>BEAMS.</b>				
Floors, Depth and thickness at mid-line in Holds	9	20			Uppermost Continuous Deck, amidships in Wells, Angle, $\frac{1}{2}$ or $\frac{1}{4}$	3	2	24	
Height of Brackets at side above base line at toe of frame					" " in way of Bridge, Angle, $\frac{1}{2}$ or $\frac{1}{4}$				
Middle Line Keelson, on Floors, Angles, $\frac{1}{2}$ or $\frac{1}{4}$					Spacing				
" " Through Plate or Intercoastal Plate					<b>Second Deck, amidships, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>				
" " Foundation Plate on Floors					Spacing				
" " Flat Plate Keel Angles	3	2	24		<b>Third Deck, amidships, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>				
<b>Side Keelsons, No. each side</b>					Spacing				
" " thickness of Intercoastal Plate					<b>Fourth Deck, amidships, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>				
" " Angles					Spacing				
<b>DOUBLE BOTTOM.</b>					<b>Poop Deck, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>				
Solid Floors, thickness and spacing					Spacing				
" " Are Frame and Reversed Frame joggled?					<b>Bridge Deck, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>				
Bracket Floors, breadth and thickness at middle line					Spacing				
" " breadth and thickness at margin plate					<b>Forecastle Deck, Angle, <math>\frac{1}{2}</math> or <math>\frac{1}{4}</math></b>				
					Spacing				



## 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..... <i>One</i> .....				Stringer Plate, breadth and thickness in way of Bridge .....	✓		
"    in 'tween Decks, Size and Spacing.....	✓			Thickness of Plating abreast Deck openings in way of Wells .....	✓		
"    "    "    "    " <i>AS</i> ✓				Thickness of Plating abreast Deck openings in way of Bridge .....	✓		
<i>Brackets</i> in Holds    "    "    " <i>PER</i>				Thickness of Plating within line of openings...	✓		
"    "    "    "    " <i>PLAN</i> 2    ✓				If Sheathed, material and thickness .....	✓		
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>			
Stiffeners and Spacing.....	✓			Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of .....	✓			If Plated, state thickness.....	✓		
<b>STRINGERS AND DECKS.</b>				<b>Fourth Deck.</b>			
<b>Uppermost Continuous Deck.</b>				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	<i>36</i>	<i>22</i>	✓	If Plated, state thickness .....	✓		
"    "    "    "    in way of Bridge	✓			<b>Poop Deck.</b>			
"    Angle in Wells .....	<i>3</i>	<i>2</i>	<i>22</i> ✓	Stringer Plate, breadth and thickness .....	✓		
Thickness of Plating abreast Deck openings in way of Wells .....	✓			Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings in way of Bridge .....	✓			<b>Bridge Deck.</b>			
Thickness of Plating within line of openings...	<i>1/8</i>			Stringer Plate, breadth and thickness.....	✓		
If Sheathed, material and thickness .....	✓			Plating, Sheathing, material and thickness ...	✓		
<b>Second Deck.</b>				<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	✓			Stringer Plate, breadth and thickness .....	✓		
				Plating, Sheathing, material and thickness ...	✓		

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>No.</i>	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 .....	36	28	24	24	✓	Single.	$\frac{1}{2}$	2 $\frac{1}{2}$	Two	$\frac{1}{2}$	1 $\frac{3}{4}$	STRAPPED	
„ DBLG. (if any)													
BOTTOM PLATING, No. } of Strakes <i>Two</i> ..... }		22	20	20	✓	Single.	$\frac{1}{2}$	2 $\frac{1}{2}$	Two	$\frac{1}{2}$	1 $\frac{3}{4}$	LAPPED.	
BILGE PLATING, No. of } Strakes <i>One</i> ..... }		22	20	20	✓	Single.	$\frac{1}{2}$	2 $\frac{1}{2}$	Two	$\frac{1}{2}$	1 $\frac{3}{4}$	Do.	
SIDE PLATING, No. of } Strakes .....													
UPPER DECK, Sheer- } strake <del>in</del> Wells..... }	24	26	22	22	✓	Double.	$\frac{1}{2}$	2 $\frac{1}{2}$	Two.	$\frac{1}{2}$	1 $\frac{3}{4}$	LAPPED.	
UPPER DECK, Sheer- } strake in Bridge ... }													
STRAKE BELOW Sheer- } strake in Wells..... }													
STRAKE BELOW Sheer- } strake in Bridge ... }													
POOP SIDE PLATING .....													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING						✓							

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c).....4.

Deck next below

As per Rule.....4.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D,</b>	Upper tween decks	✓	✓		✓	
"	" Second "	✓	✓		✓	
"	" Third "	✓	✓		✓	
"	" Holds .....	20	2½ x 2½			
"	" Holds .....	24	22	21	✓	✓
<b>COLLISION</b>	" (in Hold) .....	20	3½ x 2½	ON		
		24	x 26.	Q.	✓	✓
<b>AFTER PEAK</b>	" .....	20	2½ x 2			
		34	x 22	20.	✓	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	✓	✓	✓	
<b>STEM</b> .....	<i>Rolled Bar.</i>	$4\frac{1}{2} \times \frac{7}{8}$		
<b>STERN FRAME</b> {				
Propeller Post .....	<i>Forging.</i>	$4\frac{1}{2} \times \frac{1}{2}$	<i>J. I. Thornycroft &amp; Co. Ld.</i>	
Rudder " .....		$4\frac{1}{2} \times \frac{1}{2}$	<i>Do.</i>	
<b>RUDDER—A × D</b> .....		<i>16 53.</i>		
<b>Speed of Vessel</b> <i>8 1/2 knots</i>				
<b>RUDDER</b> mainpiece at head ...	<i>Forging</i>	$2\frac{1}{2}$ "	<i>J. I. Thornycroft &amp; Co. Ld.</i>	
" " heel ...		$2\frac{1}{2}$ "		
" how constructed .....	<i>Forged 2 armed frame with single plate</i>			
" double or single plate .....	<i>Single</i>			
" coupling, vertical or .....				
" horizontal .....	<i>NONE.</i>			

STEEL.

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

Park Gate Iron & steel Co. L<sup>d</sup>.. Frodingham Iron & steel Co. L<sup>d</sup>.. The steel Co. of Scotland L<sup>d</sup>..  
Leicestershire Steel Co. L<sup>d</sup>..

Has the Steel been tested as required by the Rules? Yes.



EQUIPMENT No. ✓												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.	Cwts.			
28/04	1st Bower ...	3	26		22			3	2	1	0	✓	Ord. W. H. Stock.	Not stated.	Cradley Heath 12/7/28 S. C. Paul.
	2nd „ ...														
	3rd „ ...														
	Collective weight.														
	Stream .....														

CHAIN CABLES.										HAWSERS 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.	
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
4/600	30	3/4	1635	35	2	3	27	✓	✓	✓	Plant	Not stated	12/7/28-S.C. Paul.	TOWLINE...	30	5		✓	
														HAWSERS & WARPS	30	2 1/2	12.5	✓	
														"					
														"					
Iron Stream } Chain or Steel Wire }	✓																		

Steering Gear, Steam *NONE.* Steering Gear, Hand *T. M. Archer. Dunstan-on-Tyne. No. 1 Type.*

Boats *✓* Steering Chains, Size and Test *5/16 1 1/2 tons.* Windlass *Hand. Simpson, Lawrence & Co. Ltd.*

Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness, material and spacing *✓*

Cargo Hatchways.—(Upper Deck) *✓* Thickness of Hatches *✓*

Size of No. 1 Hatchway (Forward) *✓* No. 2 *✓* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *✓*

Builder's Signature

For & on behalf of  
JOHN L. THORNYCROFT & Co. LIMITED  
*Harrison*  
ACCOUNTANT  
LONDON WORKS

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel an oil tanker, is fitted for carrying oil as cargo. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*This vessel is a steel single screw motor tug and has been built under Special Survey in accordance with the approved plans enclosed herewith. the Secretary's Letters of various dates and in conformity with the Rules for the class contemplated so far as they apply.*

*The workmanship is good.*

*The deck and watertight bulkheads and the fore peak tank have been tested as per Rule and found satisfactory. The steering gear, deck pumps and hand windlass have been tested and found satisfactory.*

*This vessel is to be shipped to Buenos Aires and has not been measured for tonnage.*

*Plans (5 in number). Midship Section (2 plans), Profile & bulkheads, Sternpost & rudder, general arrangement.*

*Forging report 1. and Mill sheets.*

The amount of Entry Fee ..... £ *2: 0: 0* Fees applied for,  
Special Survey Fee.... £ *20: 0: 0* *29/8/1928.*  
Travelling Expenses, if any £ *✓* Received by me, *H. G. 28/8/28*

I am of opinion the Vessel should be Classed *"A" For Towing SERVICES AT BUENOS AIRES.*

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

Signature *C. D. Simpson*  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Heul to Southampton.* Date of issue *7/9/28*

Committee's Minute

*FRI 7 SEP 1928*

Character assigned

*+ A- For Towing Services at Buenos Aires*

*+ L.M.C. 5.28*  
*Oil Engines*

*Write to*

*My*



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Lloyd's Register Foundation

W1233-0186 2/2



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.)

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

1st Bower

2nd „

3rd „

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

No. and Material of Decks (this information is to be given as it should appear in the Register Book) / *OK (ste)*

Official No. ; Signal Letters Is bottom of Vessel coated with cement *yes* if not particulars of composition

**PARTICULARS OF WATER BALLAST.—**

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<i>2.5</i>	<i>4.4</i>
Double bottom, under Engines and Boilers,			After peak tank,	<input checked="" type="checkbox"/>	<i>1.4</i>
Double bottom, if under Engines only,			Deep tank, aft,	<input checked="" type="checkbox"/>	<i>1.4</i>
Double bottom, if under Boilers only,			Deep tank, forward,	<input checked="" type="checkbox"/>	<i>1.4</i>
Double bottom, forward,			Other tanks, if fitted,	<input checked="" type="checkbox"/>	<i>1.4</i>
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.

Order for Special Survey No.

Date *April 1928*

Dates of Surveys held while building

*APRIL 20. MAY 14, 25. JUNE 6, 15, 21. JULY 5, 24, 27. AUG 9, 14, 17, 24*

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Total No. of Visits *14*