

STEEL ~~STEAMER~~ OF MOTORSHIP.

25 APR 1928

Received at London Office

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

Port of

Glasgow

No. H 7850

Survey held at

Glasgow

Date First Survey

11. 2. 27

Last Survey

12th April

1928

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

T.S.M.V. EL ARGENTINO

(Machinery Amidships)

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

Full Scantling Type

State Type of Erections

Pile & Bridge

TONNAGE under Tonnage Deck

7548.37

CLASS *100 A.1.

State if with freeboard as condition of Class

No

Built at

Glasgow

Do. of space or spaces between Tonnage Dk. and Upper Dk.

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

L 433.40

Launched

11th Jan. 1928

Yard No. 629

Total

7548.37

Breadth (greatest moulded)

B 64.25

Builders

Fairfield S. B. & E. G. Ltd.

Gross Tonnage

9500.78

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

D 38.208

Owners

The British & Argentine Steam Navigation Co. Ltd.

Register Tonnage

6022.90

1st Longitudinal Number (L x D)

= 16560

Managers

do.

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

2nd Numeral L x (B + D)

= 44406

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

12.81

Residence

London

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

11.34

Port of Registry

London

Do. Long Bridge to top of keel

9.41

If surveyed while building, afloat, and in dry dock

Draught Moulded

29.56

Yes.

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	✓	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	✓	
" " in peaks	24		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	46 x 59	
Frame Amidships, Angle, E or F	9 1/2 3 1/2 52		" " top Angles	2 1/2 3 1/2 55	
do. Machinery Space	10 1/2 3 1/2 56		" " bottom Angles	5 5 63	
" " Extends up to 3rd deck and upper deck			Side Girders, No. each side and thickness	Three 40	
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	60 x 55	43 x 55
" " Extends up to			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 45	
Depth of Framing Girder	10 1/2 x 9 1/2		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 6 45	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	8 3 1/2 38		" " Gussets, spacing and scantling abaft 1/2 len. from stem	4 4 48	
" " Second 'tween Decks, Angle, E or F	9 1/2 3 1/2 52		" " Gussets, spacing and scantling forward 1/2 len. from stem	none	
" " Third " " "	9 1/2 3 1/2 52		Tank Side Brackets, height above base line at 1/2 of Frame and thickness	53 1/2 x 42	
Framing in Peaks, Angle, E or F	9 1/2 3 1/2 50		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/8 dia - 5 1/4 Sp		Breadth and thickness of Middle Line Strake	60 x 53	
State if Frame Joggled	Yes		Thickness of remainder in Holds	43 - 39	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deep floors & res. frames as per app. plan		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	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	See app. plan		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships (Shell deck) in Wells, Angle, E or F	8 x 3 1/2 x 3 1/2 52	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or F	8 x 3 1/2 x 3 1/2 52	
Height of Brackets at side above base line at toe of frame			Spacing	28	
Middle Line Keelson, on Floors, Angles, E or F			Second Deck, amidships, Angle, E or F	8 x 3 1/2 x 3 1/2 52	
" " Through Plate or Intercoastal Plate			Spacing	28	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or F	8 x 3 1/2 x 3 1/2 52	
" " Flat Plate Keel Angles			Spacing	28	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or F	8 x 3 1/2 x 3 1/2 52	
" " thickness of Intercoastal Plate			Spacing	28	
" " Angles			POOP DECK, Angle, E or F		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	42 @ 28		Bridge Deck, Angle, E or F	7 1/2 x 3 1/2 x 3 1/2 52	
" " Are Frame and Reversed Frame joggled?	Yes		Spacing	28	
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, E or F	8 x 3 1/2 x 3 1/2 52	
" " breadth and thickness at margin plate	✓		Spacing	27 and 24	

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.....	Two							
Shelter in 'tween Decks, Size and Spacing.....	4 1/2							
" " " " " "	5 1/2							
" " " " " "	6 1/4							
" " " " " "	6 6							
" " " " " "	6 6							
Centre Line Bulkhead , Stiffeners and Spacing.....	none							
Plating, thickness of	none							
STRINGERS AND DECKS , Uppermost Continuous Deck (Shelter dk)								
Stringer Plate, breadth and thickness in Wells	64 x	.82						
" " " " " " in way of Bridge	60 1/2 x	.42	48 x	.42				
" " " " " " Angle in Wells	6 6	.82						
Thickness of Plating abreast Deck openings in way of Wells	65, 54	.46						
Thickness of Plating abreast Deck openings in way of Bridge	40 and	.36	.36					
Thickness of Plating within line of openings... in st.	in wells 61 and 40	.43 and .36						
If Sheathed, material and thickness	2 1/2 P.P. where exposed	.36	.32					
Second Deck , (upper deck)								
Stringer Plate, breadth and thickness in Wells...	48 x	.38						
Stringer Plate, breadth and thickness in way of Bridge	48 x	.38						
Thickness of Plating abreast Deck openings in way of Wells	36 and	.32	.32					
Thickness of Plating abreast Deck openings in way of Bridge	32							
Thickness of Plating within line of openings...	32		.30					
If Sheathed, material and thickness								
Third Deck , (Main deck)								
Stringer Plate, breadth and thickness.....	48 x	.34						
If Plated, state thickness.....		.30						
Fourth Deck , (Orlop deck)								
Stringer Plate, breadth and thickness.....	48 x	.34						
If Plated, state thickness30						
Poop Deck , Stringer Plate, breadth and thickness								
Plating, Sheathing, material and thickness								
Bridge Deck , Stringer Plate, breadth and thickness.....	63 1/2 x	.60						
Plating, Sheathing, material and thickness	44 x	.20						
Forecastle Deck , Stringer Plate, breadth and thickness.....	36 x	.38						
Plating, Sheathing, material and thickness	30 sheathed	2 1/2 P.P.						

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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.		Inches.	Inches.		Inches.	Inches.			
FLAT PLATE KEEL	57½	.96	.82	.82	57½ x .89 - .80	Double	1½	4	Four	1½	4½	Shapped overlapped clear of duct keel lapped	
" DBLG. (if any) in way of duct keel	44	.96	.96	.96	44 x .54	✓	✓	✓	Three	"	4		
BOTTOM PLATING, No. } of Strakes68	.60	.55	.66	Double	7/8	3½	Four	7/8	3½	"	
BILGE PLATING, No. of } Strakes70	.52	.66	.66	"	"	"	"	"	"	"	
SIDE PLATING, No. of } Strakes64	.52	.52		"	"	"	Three	"	3½	"	
UPPER DECK, Sheer- } strake in Wells.....	74 #	.91	.53	.56	.87	"	1	4	"	1	4	Double shaps	
UPPER DECK, Sheer- } strake in Bridge64	.53	.56		"	7/8	3½	"	7/8	3½	Lapped	
STRAKE BELOW Sheer- } strake in Wells.....		.64	.52	.52		"	"	"	"	"	"	"	
STRAKE BELOW Sheer- } strake in Bridge64	.52	.52		"	"	"	"	"	"	"	
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...		# 67 and 64			.64	Double	7/8	3½	Four	7/8	3½	Lapped	
FOREC'TLE SIDE PLATING			.44			Single	¾	3	One	¾	2 5/8	"	

WATERTIGHT BULKHEADS. * Increased for sidelights

FORGINGS and CASTINGS.			
Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar			
STEM	Rolled Steel bar 10 1/2 x 3	Beardmore	
STERN FRAME { Propeller Post	Steel 15 x 14	Steel Co. of Scotland	
{ Rudder "	Casting hollow		
RUDDER—A x D	930		
Speed of Vessel	15 K.		
RUDDER mainpiece at head ...	14 1/4	Denny's	14
" " heel ...	10 3/4	Forge Co.	10 1/2
" how constructed	Forged frame & shrunk on arms		
" double or single plate	Single		
" coupling, vertical or horizontal	Horizontal		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	D. Colville & Son, Lanarkshire Steel Coy. Cargo Fleet S. Co. Wm Beardmore & Co
	Has the Steel been tested as required by the Rules? Yes

EQUIPMENT No. 47252-1.										LETTER <i>dt</i>	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.		
89425	1st Bower ...	78	1	7	Stockless			57	17	2	0	Halls C. S. Neale	Atterton 27/12/27 Green
89396	2nd „ ...	78	1	0	do			57	17	2	0	do	do 13/10/27 do
89424	3rd „ ...	77	3	0	do			57	12	2	0	do	do 27/10/27 do
	Collective weight.	234	1	7									
89440	Stream	23	2	14	6	0	14	23	11	3	14	Ordinary	Atterton 29/10/27 Green

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.
80788	150	2½	11½	15½	473.0.25			940	300	2½	Stud link	Wingley & Sons	Kilburn 21/28 Green	TOWLINE..	130	6	96.3	130	6
80795	150	2½	do	do	473.2.7						do	do	do 23/28 Green	HAWSERS & WARPS	120	5	73.0	2-100	2¾
														"	4-100	2¾	15.5	2-100	2¾
Iron Stream Chain Steel Wire	120	5¼		75.3					120	5¼	Steel wire	British Rope Works		"	4-120	2½	12.5		

Steering Gear, Steam *Hastie & Co.* *Emergency* Steering Gear, *Hand* *Efficient*

Boats *Five* Steering Chains, Size and Test *none* Windlass *Steam by Clarke Chapman*

Ceiling in Holds, thickness and material *Holds insulated* Cargo Battens, thickness, material and spacing *Holds & tween decks insulated*

Cargo Hatchways.—(Upper Deck) *Steel coamings 30" x 44"* Thickness of Hatches *3" pine*

Size of No. 1 Hatchway (Forward) *27'0" x 16'* No. 2 *27'10" x 16'* No. 3 *37'4" x 16'* No. 4 *28'0" x 16'* No. 5 *28'0" x 16'* No. 6 *18'8" x 16'*

No. 7. Hatchway *9'4" x 16'*

Number of Shifting Beams and/or Fore and Afters *No. 1, 2, 4, and 5 hatches, 5 webs, No. 3 7 webs, No. 6 3 webs*

No. 7. 1 web. No fore and afters.

THE FAIRFIELD SHIPBUILDING AND ENGINEERING CO., LIMITED.

Builder's Signature *W. Henderson* MANAGER

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *Yes* (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.

The materials and workmanship are good. The vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, and in general conformity with the Rules for the Class contemplated. The vessel is constructed to carry oil fuel in No. 1, 2, 3, 4, 5, 8 and 9 double bottom tanks, and in the tanks alongside the funnels, P.S. The tanks, decks, bulkheads, funnels and w.t. door have been tested in accordance with the Rules and the requirements of Sec. 35 of the Rules have been complied with where applicable.

The freeboards have been verified and the freeboard marks cut in on the vessel's sides.

Vessel is a sister ship of the M.V. "Dunster Grange", the same builders No. 622 (Sept No. 47545). For particulars of Refrigerating machinery & appliances and insulation, see separate report.

Record for Register - Part cement

The amount of Entry Fee £ *11 : 0 : 0* Fees applied for, *18/4/1928*

Special Survey Fee £ *437 : 10 : 6* Received by me, *19.5.28*

Hutchinson *13 : 15 : 0*

Travelling Expenses, if any £

State whether the Vessel has been built under Special Survey *Yes* Signature *George Nicol*

Certificate to be sent to *Glasgow* Date of issue *19/5/28* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 24 APR 1928*

Character assigned *100 A1.*

4.28.

Lloyd's A.C.P.

+ LMC 4.28.



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Lloyd's Register Foundation

W1173-0213 212

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.)

The following plans forwarded

- ✓ Midship Section
- ✓ do (Vessel as built)
- ✓ Raising Arrangement, Sheet 1.
- ✓ do. Sheet 2.
- ✓ Framing and Pillars & Girders in Macky Space
- ✓ Upper and Forecastle and Bridge decks
- ✓ Tank top, 2nd and 3rd and 4th decks
- ✓ Tank top and double bottom framing in way of Macky Space
- ✓ Pumping plan
- ✓ Parting Arrangements (fore end)
- ✓ Immel Bulkheads
- ✓ Frame bracket forward
- ✓ Detail of frame brackets
- ✓ Rudder, Stern frame and Sheer brackets
- ✓ Amended Rudder
- ✓ Detail of Stern
- ✓ Bossed framing
- ✓ Riveting of keel angles
- ✓ Fore end intercostal girders
- ✓ Masts
- ✓ Relieving tackle for Steering gear
- ✓ Bridge deck house
- ✓ Stern framing
- ✓ Drainage from insulated spaces
- ✓ Quadrant and Tiller (2 plans)
- ✓ McEachlan Davit
- ✓ Profile

Casting and Forging Certificates
Stern frame and Propeller brackets
Rudder frame
Couplings
Tiller and Quadrant

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

1st Bower
2nd "
3rd "

4 1 1
50.2.10 M.B. 3354, 14th Sept. 1927.
50.0.22. K.H. 4870, 30th Aug. 1927
49.2.21 M.B. 3352, 14th Sept. 1927

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 249.66 ft., Forecastle 81.96 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) 4 decks (S.R. with 10.5)

Official No. 160405 : Signal Letters

Is bottom of Vessel coated with cement ☒ No if not give

particulars of composition 2 coats of bituminous oil fuel solution on inside surfaces in oil fuel
double bottom tanks, and in oil fuel tanks alongside tunnels, No. 7 R.B. tank & fore rafter peaks common.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, Motor Room	95.66	173	Fore peak tank,	21.5	78
Double bottom, under Engines and Boilers,	60.66	441	After peak tank,	16.0	113
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank forward,		
Double bottom, forward,	212.33	1058	Other tanks, if fitted, at least tunnels P.T.S.	63.0	466
	Total capacity of double bottom	1672	(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. 5832

Date 25.3.27

Dates of Surveys held while building

1927 Feb. 11.17.21.25 Mar. 2.11.16.18.22.24.29.30.31 Apr. 1.4.6.11.12.23.27.29 June 8.21.30 July 8.13.27 Aug 4.19.24
Sep 5.29 Oct 6.7.17.18.21.24.28.31 Nov. 3.8.11.15.17.18.21.23.24.25.28.30 Dec 5.8.9.13.16.23.27.29 (1928) Jan 6.10.11
18.19.20.24 Feb. 1.6.7.21.24.28 Mar. 5.6.20.26.28 Apr. 10.12

Total No. of Visits 80