

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office MON. MAY 1923

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

Date of completion of report MAY 1923

Survey held at Cadiz

Port of Cadiz, Spain.

Date, First Survey 9th OCTOBER 1916. Last Survey

No. 995.

1st MAY 1923.

On the (State of Single, Twin, or Triple Screw) Twin screw steamer

"MANUEL ARNUS."

Rig Schooner.

TONNAGE under 3994.62

CLASS +100 A.1.

FEET.

Master Eugenio Agacino

Year of appointment

(1) As Master in service of owner of present vessel: 1912
(2) As Master of this vessel: 1923.

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage 7578.13

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam

Breadth (greatest moulded) 56

Depth, at middle of length from top of keel to top of upper deck beams at side 32

Transverse Number 88

Length on deck from fore part of stem to after part of stern post 435

Longitudinal Number 38280

Depth "d," at middle of length (See Secs. 2 & 13) 20.25

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.59

" " Long Bridge Deck Beam at side to top of keel

Built at Matagorda, Cadiz

When built 1922 Launched 22 APRIL 1921

By whom built La S.E. de C.N., Cadiz

Owners La Cia Transatlantica

Managers Do.

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

Residence Cadiz

Port belonging to Barcelona

Destined Voyage Barcelona and Valparaiso

If Surveyed while Building, Afloat, or in Dry Dock All

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
435	0		56	0					3	3

Dimensions of Ship per Register, Length 435.0 breadth 56.08 depth 29.17. Moulded depth, ft. 32 ins. 0 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.				PILLARS.			
FRAME, Angles, or Bars amidships	Inches in Ship.	Inches in Ship.	Inches in Ship.	PILLARS In 'tween Deck, size and spacing	Inches in Ship.	Inches in Ship.	Inches in Ship.
Do. in peaks	9 3/4	31	9 3/4	" " Hold	3 1/2	54	3 1/2
Do. in way of Double Bottoms at Solid Floors	3 1/2	43	3 1/2	" Quarter 'tween Dks.,	3 1/2	54	3 1/2
" " at intermdt. Bkts.				" " in Hold	4 1/2	54	4 1/2
Spacing of Frames from centre to centre amidships	27		27	KEELSONS & STRINGERS.			
" " length to Collision bulkhead	27		27	CENTRE LINE KEELSON, Vertical Plate above			
" " in peaks	24		24	" Rider Plate			
REVERSED FRAME, Angles	5 3/4	43	5 3/4	" Flat Plate Keel Angles			
Do. in way of Double Bottoms at Solid Floors	3 1/2	43	3 1/2	" Horizontal Plates on Floors			
" " at intermdt. Bkts.				" Angles or Bulb Angles			
FRAMING, depth of girder	9 1/2		9 1/2	SIDE KEELSONS, Number			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				" Angles or Bulb Angles			
" in way of Engine and Boiler Spaces				" Plate above floors, for length			
" thickness at the ends of vessel				" Intercoastal Plate, for length			
" depth at 1/2 the half breadth, as per Rule				" Attached to outside Plating with Angle			
" height extended at the Bilges				BILGE KEELSON, Angles			
FLOORS in Cell Double Bottoms	4 1/2	51	4 1/2	" Intercoastal Plate for length			
" state if flanged (top & bottom)	No.		No.	" Attached to outside Plating with Angle			
" Spacing of Solid floors	27		27	SIDE STRINGERS, Number			
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	4 1/2	51	4 1/2	" Angle			
" Angles, Top Double	4	51	4	" Intercoastal Plate, for length			
" Bottom Double	4 1/2	51	4 1/2	" Attached to outside plating with Angle			
" to Floors Double	3 1/2	43	3 1/2	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	64	79	64
" Brackets at intermdt. frmg., wdth & thcknss				" " " " (br'dth & thickness in way of Bridge)	5 1/2 x 5 1/2	67	5 1/2 x 5 1/2
SIDE GIRDERS, number on each side & thickness	3	50	3	" " Angle (clear of Bridge)	5 1/2	67	5 1/2
" state if flanged (top and bottom)	No.		No.	" Tie Plate at sides of Hatchways	51		51
" Angles (top and bottom) Top	3 1/2	43	3 1/2	" Deck * Iron or Steel, for FULL lng.	47	35	47
" to Floors	3	41	3	" Thickness (clear of Bridge)			
MARGIN PLATE, depth (exclusive of flange) and thickness	10	59	10	" (in way of Bridge)			
" Angle to Outside Plating	4	47	4	" Wood Deck, Material & thickness TEAK	5	3	5
" Floors				Second Deck Stringer Plate, br'dth & thickness	48	47	48
" Brackets at intermdt. frmg., wdth & thcknss				" Angles on ditto, No. 2	3 1/2 x 3 1/2	47	3 1/2 x 3 1/2
Height of Outside Brackets above at bilge	38		38	" Tie Plates outside Hatchways	43		43
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	4 1/2	51	4 1/2	" Deck * Iron or Steel, for FULL lng.	39	31	39
" in Engine and Boiler space	5 1/2	59	5 1/2	" Wood Deck, Material & thickness L 70 S 10	2		5
" Remainder in Holds	39	35	39	Third Deck Stringer Plate, br'dth & thickness	48	43	48
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	9	" Angles on ditto, No. 2	3 1/2 x 3 1/2	47	3 1/2 x 3 1/2
" In way of Long Bridge at ends	8	3 1/2	8	" Tie Plates, outside Hatchways	29		29
" Spacing	27		27	" Deck * Material and thickness L 70 S 10	2		5 x 3. P.P.
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	9	Fourth and Fifth Deck Stringer Plate, breadth & thickness			
" Spacing	27		27	" Angles on ditto, No.			
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	9	" Tie Plates outside Hatchways			
" Angles on upper edge	27		27	" Deck, Material & thickness			
" Spacing	27		27	Poop Deck Stringer Plate, breadth & thickness	37	35	37
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	7	" Angle on ditto	3 1/2 x 3 1/2	35	3 1/2 x 3 1/2
" Angles on upper edge				" Tie Plates	29		29
" Spacing	27		27	" Deck, Material and thickness TEAK	5	3	5
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3	6	Bridge Deck Stringer Plate, br'dth & thickness	41	41	41
" Angles on upper edge	9	3 1/2	9	" Angle on ditto	3 1/2 x 3 1/2	43	3 1/2 x 3 1/2
" Spacing	54		54	" Tie Plates	31		31
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3 1/2	8	" Deck, Material and thickness TEAK	5	3	5
" Angles on upper edge	27		27	Forecastle Deck Stringer Plate, br'dth & th'kns	37	35	37
" Spacing	27		27	" Angle on ditto	3 1/2 x 3 1/2	35	3 1/2 x 3 1/2

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

W1350-0013 1/2

WEB FRAMES. In Fore Body, No. and spacing. No. of Side Stringers. WEB-FRAMES, In E. & B. Space, No. & spacing. WEB-FRAMES, In After Body, No. and spacing. No. of Side Stringers. BRACKET PLATES to Stringers between Web Frames, depth and thickness. BULKHEADS. STIFFENERS. RUDDER, how constructed. PLATING. RIVETING. MASTS, SPARS, &c.

EQUIPMENT No. 41508. LETTER 57. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Correspondence. Workmanship. General Remarks. Committee's Minute.

GENERAL REMARKS—(continued).

Ceiling is fitted on tank top and over frame brackets to upper turn of bilge. The steering engine was made by Hastie & Co of Greenock (N°2057) and is telemotor controlled from bridge by M^cTaggart, Scott & Co. system, and by hand gear at crosshead. Submarine signalling has been fitted. The boat davits are of the "WELIN" type, supplied by the patentees and all boats are under davits at the vessel's sides. The chain cables are in excess of rule requirements owing to being ordered from America during the late war. The sheerstake is thickened in lieu of doublings over sidelights and the shell is thickened in lieu of stringers; brackets have been fitted at all W.T. bulkheads in lieu of stringers. The stiffening in way of the bossing is as approved plan. All ballast tanks were tested to top of air pipes and found satisfactory. This vessel has also been built under survey by the REGISTRO ITALIANO. London letters. M. 4/12/16. M. 13/10/16. 11/5/16. M. 13/7/17. M. 8/3/17. M. 15/2/17. M. 20/6/18. M. 15/3/18. E. 13/8/19. M. 10/3/20. M. 10/4/20. M. 6/8/20. M. 1/5/20. M. 15/12/21. E. 31/1/21. 29/3/21. M. 1/5/21. M. 11/9/22. M. C. 20/9/22. M. 26/6/22. M. 8/6/22. M. 27/3/22. S. 20/11/22. S. 23/2/23. E. 19/3/23. A copy of the midship section is enclosed. (under separate cover)

Moulded depth. 32'-0".
Freeboard amidships 8'-2".
Corresponding draught 24'-4½".
Deadweight. 6653 tons.
Permanent bunkers. 61.116. Cubic feet
Grain Capacity. 348,926. do.
Bale Capacity. 304,635. do.
Displacement. 13,350 tons.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 56.0 ft., R.Q.D. ✓ ft., Bridge 99.5 ft., Forecastle 42.6 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 should appear in the Register Book) 3 STEEL UPPER DECK TEAK OUTSIDE OF HOUSES. MAIN AND LOWER DECK LITTOLE. 3 TIERS OF BEAMS
Official No. ✓; Signal Letters M. B. J. X.. State if Machinery is fitted aft NO.
How are the surfaces preserved from oxidation? Inside Paint & Cement. Outside Paint.

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

Where Fitted.	Length.		Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.		Feet.	Tons.	
Double bottom, aft,	99	240	Fore peak tank,			34.4.
Double bottom, under Engines and Boilers,	108	466	After peak tank,			68.0
Double bottom, if under Engines only,			Deep tank, aft, FRESH WATER AFT END OF TUNNEL P.S.	6.75		3.5.4
Double bottom, if under Boilers only,			Deep tank, forward,			
Double bottom, forward,	168.75	520	Other tanks, if fitted, FRESH WATER AFT TUNNELS H ² S HOLD 29.25			9.4.4 To
Total capacity of double bottom	1226		(If necessary, furnish further information by sketch.) P & S.			
* The wells are not to be included in the lengths of the tanks 75.75			State whether the above have been tested as required by the Rules. YES.			

Order for Special Survey No.

Date 11TH MAY 1916.

No. 47. in builder's yard.

DATES OF SURVEYS held while building

1916. 9/10/16. 10/10/16. 18/10/16. 10/2/16. 13/14/17. 22/28/12/16. 1.5.18.26/12/16. 1917. 13.24.25/1/17. 1.3.6/2/17. 6/3/17. 7/12/16/4/14. 8.23/5/17. 8.13.18.23/6/17. 5/7/17. 16.21/8/17. 1.7.17.21.28/9/17. 2.14.16/11/14. 6/12/17. 1918. 17/1/18. 16.17.18/4/18. 10.31/5/18. 17.17/6/18. 6/7/18. 1/8/18. 16/9/18. 7.14.24.26/10/18. 14/20/11/18. 3/3/19. JAN. 9.14. FEB. 1. MARCH. 11. MAY. 5.16. JUNE 24. JULY. 19.23.28. AUG. 2. DEC. 2.19.23.24. 1920 JAN. 13.16.19.27.30. FEB. 6.11.20.23.26. MARCH. 6.26. APRIL 6-12.21. MAY 6.7.27. JUNE 7.9. JULY. 10.20.13.31. AUG. 3.5.17. SEPT. 8. OCT. 4.7.9.14.15.23. NOV. 6.9.11.23.29. DEC. 15.29. Total No. of Visits. 254
1921 JAN. 3.5.24.28. FEB. 1.7.9.19.15.24. MAR. 15.17.28.30. APRIL 17.21.22. MAY 3.6.10. JUNE 7.9.16.24. AUG. 24. SEPT. 8.13.28. OCT. 26.29. NOV. 3.10. DEC. 8. 1922 JAN. 3-7.13.23.30. FEB. 13.22. MARCH. 13.18.22. APRIL 5. MAY 9.18. JUNE 30. JULY 7.12.18. AUG. 3.9.19.28. SEPT. 13.26.28. OCT. 30. NOV. 3.8.16.20.21.23.30. DEC. 1.5.7.9.11.19.21.27.29. 1923 JAN. 3.9.11.12.15.17.19. FEB. 23.28. MAR. 7.9.12.17. APRIL 4.13.16.19. MAY. 1

Surveyor's Signature

Ardaynple Cuthen

Foundation