

State if Report is sent on the Machinery of the Vessel yes

No. 24398

Last Survey 18-3-1936

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Steel twin screw motorship FENIEOLA (Machinery aft)*

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections R. & D. P. O. P.

398.11

FEET.

Launched 3-2-1936 Yard No. 639

Length from fore part of stem to after part of stern } L 165'-0"
post on summer L.W.L. See Sec. 3 (1a) }

Breadth (*greatest moulded*) B 28'-0"

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) } D 12'-3"

1st Longitudinal Number (L × D).....= 2021.23

2nd Numeral $L \times (B + D) \dots\dots\dots = 6641.23$

Framing Depth "d," at middle of length. See } 11'-1"

Proportions—Depth to Length—Uppermost continuous deck to top of keel } 13.47

Do. Long Bridge to top }
of keel }

Draught Moulded 11-2 1/2"

Managers *Companhia "Shell"*
(Where necessary to be entered in Reg. Book.)

Residence *Lisbon.*

Port of Registry Lisbon

If surveyed while building, afloat, or in dry dock

building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. in m. m.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	560			
" " from $\frac{3}{8}$ length to Collision bulkhead.....	560			
" " in peaks.....	560			
SIDE FRAMING.				
Frame Amidships, Angle E or [.....	100 65 7.			
" " Extends up to	UPPER DECK			
Reversed Frame Amidships, Angle	✓			
" " Extends up to...	✓			
Depth of Framing Girder				
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....	✓			
" " Second 'tween Decks, Angle, [or [.....	✓			
" " Third " " " " " "	✓			
Framing in Peaks, Angle	100 65 9.			
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	$\frac{5}{8}$ " x $\frac{5}{16}$ "			
State if Frame Joggled	yes			
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	DECK AND TRINGER AS APPROVED.			
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	THICKNESS OF BOTTOM PL 10% DOUBLE RIV. BOTTOM FRAMES ADDITIONAL SIDE KEELSONS			
SINGLE BOTTOM.				
Floors, Depth and thickness at mid-line in Holds	360 x 8			
Height of Brackets at side above base line at toe of frame	770			
Middle Line Keelson, on Floors, Angles, [or [.....	CENTRE			
" " " Through Plate or Intercoastal Plate...	LINE			
" " " Foundation Plate on Floors	BULKHEAD.			
" " " Flat Plate Keel Angles				
Side Keelsons, No. each side	ONE			
" " thickness of Intercoastal Plate...	$\frac{7}{16}$			
" " Angles	200 x 75 x 10.			
DOUBLE BOTTOM.				
Solid Floors, thickness and spacing				
" " Are Frame and Reversed Frame joggled?.....				
Bracket Floors, breadth and thickness at middle line				
" " breadth and thickness at margin plate.....				
Bracket Floors, Frame				
" " Reversed Frame				
" " Vertical Struts				
Centre Girder, depth and thickness amidships				
" " top Angles				
" " bottom Angles				
Side Girders, No. each side and thickness				
Margin Plate depth (excl. of flange) and thickness				
" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem				
" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem				
" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....				
" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....				
Tank Side Brackets, height above base line at toe of Frame and thickness)				
INNER BOTTOM PLATING.				
Breadth and thickness of Middle Line Strake ...				
Thickness of remainder in Holds				
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?.....				
BEAMS.				
Uppermost Continuous Deck, amidships in Wells, [.....	115 65 7 1/2			
" " in way of Bridge, Angle, [or [.....	✓			
Spacing	560.			
Second Deck, amidships, Angle, [or [.....	✓			
Spacing.....	✓			
Third Deck, amidships, Angle, [or [.....	✓			
Spacing.....	✓			
Fourth Deck, amidships, Angle, [or [.....	✓			
Spacing.....	✓			
Poop Deck, [.....	130 65 8			
Spacing.....	1120			
Bridge Deck, Angle, [or [.....	✓			
Spacing.....	✓			
Forecastle Deck, [.....	130 65 7 1/2			
Spacing	1120.			

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...		65 7/8		✓		Stringer Plate, breadth and thickness in way of Bridge		✓			
SPACING		1680				Thickness of Plating abreast Deck openings in way of Wells		✓			
in 'tween Decks, Size and Spacing.....		✓				Thickness of Plating abreast Deck openings in way of Bridge		✓			
in Holds		✓				Thickness of Plating within line of openings...		✓			
Centre Line Bulkhead.		CENTRE LINE				If Sheathed, material and thickness		✓			
Stiffeners and Spacing.....		100 65 7/8		✓		Third Deck.					
IN WAY OF TRUNKS		115 65 7/8		✓		Stringer Plate, breadth and thickness.....		✓			
Plating, thickness of		9 and 7 1/2		✓		If Plated, state thickness.....		✓			
STRINGERS AND DECKS.						Fourth Deck.					
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness.....		✓			
Stringer Plate, breadth and thickness in Wells		2020 8 1/2		✓		If Plated, state thickness		✓			
in way of Bridge		✓				Poop Deck.					
Angle in Wells		120 120 9		✓		Stringer Plate, breadth and thickness		1720 6 1/2		✓	
Thickness of Plating abreast Deck		8 1/2		✓		Plating, Sheathing, material and thickness		steel 6 1/2 with 2 1/2" PITCH PINE		✓	
in way of Wells		✓				Bridge Deck.					
Thickness of Plating abreast Deck openings in way of Bridge		✓				Stringer Plate, breadth and thickness.....		✓			
Thickness of Plating within line of openings...		7 1/2		✓		Plating, Sheathing, material and thickness		✓			
If Sheathed, material and thickness		✓				Forecastle Deck.					
Second Deck.						Stringer Plate, breadth and thickness.....		900 6 1/2		✓	
Stringer Plate, breadth and thickness in Wells...		✓				Plating, Sheathing, material and thickness		steel 6 1/2 with 2 1/2" pitch pine		✓	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.	
FLAT PLATE KEEL	1250	13 1/2	13	13	✓	double	3/4	70	three	7/8	82	lapped	
DBLG. (if any)	✓	✓											
BOTTOM PLATING, No. of Strakes	1600	9	10	9	✓	double	5/8	56	two	5/8	55	lapped	
BILGE PLATING, No. of Strakes	1345	9	9	9	✓	double	5/8	56	two	5/8	55	do	
SIDE PLATING, No. of Strakes	2000	9	7 1/2	7 1/2	✓	double	5/8	56	two	5/8	55	do	
UPPER DECK, Sheer-strake in Wells.....	1230	11 1/2	8	8	✓	double	3/4	62	three	3/4	65	do	
UPPER DECK, Sheer-strake in Bridge ...													
STRAKE BELOW Sheer-strake in Wells.....	see side plating.				✓								
STRAKE BELOW Sheer-strake in Bridge ...													
POOP SIDE PLATING	2250			6 1/2	✓	single	5/8	62	one	5/8	57	lapped	
BRIDGE SIDE PLATING													
FORECASTLE SIDE PLATING	1000			6 1/2	✓	single	5/8	62	one	5/8	57	lapped	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c) 12					
Deck next below 3					
As per Rule 3					
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second					
" " Third					
" " CARGO TANKS					
" " Holds	8	2 1/2 x 65 x 7 1/2	610	as approved	
COLLISION (in Hold)	8 1/2	7/6 x 115 x 8 1/2	610	as approved	
AFTER PEAK	9 1/2	2 1/2 x 72 x 7 1/2	600	lapped	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	ROLLED	150 x 32		
STERN FRAME	Propeller Post			
	Rudder	FORGING 150 x 70 x 38	KON. NED. GROF SHERIDY	
RUDDER—A x D	10.5			
Speed of Vessel	12 K.N.			
RUDDER mainpiece at head	FORGED	140	KON. NED. GROF SHERIDY	
" " heel		110		
" " how constructed	3 arms shrunk and keyed on mainpiece.			
" " double or single plate	SINGLE PLATE			
" " 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)

DORTMUNDER HOFERDER HUTTEN VEREIN.

OPEN HEARTH PROCESS

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

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.)

AFTER THE TRIAL TRIP OF THE VESSEL IT WAS DECIDED BY THE OWNERS FOR TRIMMING PURPOSE TO FIT A WATER BALLAST TANK ABOVE FOREPEAK TANK. BULKHEAD FITTED ON FRAMEN^o 83. AS PER APPROVED PLAN. ON COMPLETION THIS TANK TESTED BY HEAD OF WATER AS PER RULE REQUIRED, FOUND SOUND AND TIGHT. CERTIFICATES OF FORGINGS OF PROPELLER BRACKETS, RUDDER FRAME AND RUDDER.

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

1st Bower cert N^o. 689. TESTED 12-7-35. WEIGHT 8-0-21. J. D. cast steel
2nd " " 697 " 16-7-35 " 8-0-21 J. D. cast steel
3rd " " 605 " 12-6-35 " 7-0-21 J. D. cast steel

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 45.9 ft., MR. Q. D. 45.9 ft., Bridge ✓ ft., Forecastle 23.8 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated (POOP IS FITTED ON R. G. DECK)

No. and Material of Decks (this information is to be given as it should appear in the Register Book) one DECK (steel) ✓

Official No. ; Signal Letters

Is bottom of Vessel coated with cement FORE AND AFTER PEAK TANKS. if not give

particulars of composition ENGINE ROOM PAINT, CARRIAGE TANKS, COFFER DAMS AND BUNKERS NOT COATED.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Where Fitted.	Capacity.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	✓		Fore peak tank,	24.0	33
Double bottom, under Engines and Boilers,	✓		After peak tank,	20.2	28
Double bottom, if under Engines only,	✓		Deep tank, aft,		✓
Double bottom, if under Boilers only,	✓		Deep tank, forward,		✓
Double bottom, forward,	✓		Other tanks, if fitted, WATER BALLAST TANK ABOVE FOREPEAK.	11.0	10
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. 833

Date

12-8-35

Dates of Surveys held while building

9-8-35; 13, 16, 21-9-35; 23, 25, 30-10-35; 1, 4, 11, 21, 25, 29-11-35;
3, 4, 7, 14, 19-12-35; 6, 16, 18, 22, 23, 27, 28, 30, 31-1-36;
3, 7, 14, 19, 24, 27-2-36; 3, 4, 5, 10, 12, 16, 18-3-36

Lloyd's Register
Foundation
Total No. of Visits 42.