

STEEL STEAMER or MOTORSHIP.

-4 JUL 1929

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

1st July 1929

Port of

Copenhagen

No.

8036

Survey held at

Elsinore

Date First Survey

17th Jan 1929

Last Survey

25th June

1929

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

Steel Single Screw Steamer

"ARIEL"

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

Complete Superstructure

State Type of Erections

✓

TONNAGE under Tonnage Deck

1991

CLASS * 100 A1

State if with freeboard as condition of Class

Yes

Built at

Elsinore

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)

FEET. 260'-0"

Launched

30th April 1929

Yard No.

188

Total

Breadth (greatest moulded)

B 40'-0"

Builders Helsingfors Jernskibs-og Maskinbyggeri

Gross Tonnage

2197.69

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

D 27'-6"

Owners Finska Angfarttyg A/B.

Register Tonnage

1241.32

1st Longitudinal Number (L x D)

= 7150

Managers

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

2nd Numeral L x (B + D)

= 17550

Residence Helsingfors

REGISTERED DIMENSIONS.

FEET.
 O.A. - 82.21 m = 269.71
 Length B.P. - 79.30 m = 260.17
 Breadth 12.26 m = 40.22
 Depth 7.54 = 24.73

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

17.17

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

9.455

Port of Registry HELSINGFORS

If surveyed while building, afloat, or in dry dock

while building

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	30		Bracket Floors, Frame	6 1/2 3 44	
" " from 3/4 length to Collision bulkhead	30		" " Reversed Frame	6 3 44	
" " in peaks	30		" " Vertical Struts	6 3 44	
Intermediate frames all fore and aft.			Centre Girder, depth and thickness amidships	34 1/2 46	
DE FRAMING.			" " top Angles	3 3 42	
Frame Amidships, Angle, E or C	8 1/2 3 1/2 42		" " bottom Angles	3 1/2 3 1/2 48	
" " Extends up to	Upper deck		Side Girders, No. each side and thickness	one 34	
Intermediate frames same scantlings as main frames.			Margin Plate depth (excl. of flange) and thickness	27 43	
Reversed Frame Amidships, Angle	✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 34	
" " Extends up to	✓		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3 3 34 double every 2 frame	
Depth of Framing Girder	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	every 3 rd frame 38	
Frames in Uppermost Continuous 'tween Decks, Angle, C or E	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	every 2 nd frame 38	
" " Second 'tween Decks, Angle, C or E	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	55 38	
" " Third " " " "	✓		INNER BOTTOM PLATING.		
Framing in Peaks, Angle or C	6 1/2 3 1/2 40		Breadth and thickness of Middle Line Strake	7 1/2 40	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1/8 5 3/4		Thickness of remainder in Holds	38	
State if Frame Joggled	Yes		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	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Intermediate frames T frames 9 x 3 1/2 x 42 1/2 from 1/4 len. to Coll. B.H.		BEAMS.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Full floors 36 frames 6 x 5 x 44 1/2 Intermediate extended 34 thick 3 Bottom strakes midship thickness to Coll. B.H.		Uppermost Continuous Deck, amidships in Wells, Angle, E or C	6 1/2 3 44	
SINGLE BOTTOM.			" " in way of Bridge, Angle, C or E	✓	
Floors, Depth and thickness at mid-line in Holds			Spacing	every frame	
Height of Brackets at side above base line at toe of frame			Second Deck, amidships, Angle, E or C	8 3 40	
Middle Line Keelson, on Floors, Angles, C or E			Spacing	every frame	
" " Through Plate or Intercoastal Plate			Third Deck, amidships, Angle, C or E		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, C or E		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Poop Deck, Angle, C or E		
" " Angles			Spacing		
DOUBLE BOTTOM.			Bridge Deck, Angle, C or E		
Solid Floors, thickness and spacing	36 60		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes		Forecastle Deck, Angle, C or E		
Bracket Floors, breadth and thickness at middle line	26 36		Spacing		
" " breadth and thickness at margin plate	34 36				

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.)

Sister vessel - s/s "SIRIUS" Elsinore Yard no 187 - Copenhagen Rpt no. 797

Approved Plans -

Midship Section
Profile and Decks
Shell expansion
Plan of Hatches
Stern frame, Rudder and Stem.

Certificates -

1. Stem and Stern frame
- 1 - Rudder, Head & Liller.
- 1 - Interim Certificate.

The vessel is strengthened for navigation in ice. with intermediate frames all fore and aft of same section as main frames.

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

1st Bower 22.1.13, K.H. 4027 16/6/26
2nd ,, 19.3.22 : M.B. 3565 8/3/28
3rd ,, 18.3.16 : M.B. 3160 29/6/27.

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) 2 SKS (SP2)

Official No. ☒ ; Signal Letters *Not yet registered.* Is bottom of Vessel coated with cement *yes* if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	70	94 ✓	Fore peak tank,	✓	33
Double bottom, under Engines and Boilers,	50	114 ✓	After peak tank,	✓	21
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	107.5	205 ✓	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		413	(If necessary, furnish further information by sketch.)		

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

227.5

Order for Special Survey No. 88

Date 1/10/28.

Dates of Surveys held while building

1929 - Jan. 17. 19. 23. Feb. 4. 20. 27. Mar. 1. 5. 7. 11. 13. 15. 19. 24. 25. Apr. 11. 15. 25.
May. 6. 11. 16. 22. 28. 28. June 3. 11. 18. 22. 28.

Lloyd's Register Foundation
Total No. of Visits 29

For S.S.O.F. please see S.S. "SIRIUS", Cpm Rpt 7977