

## STEEL STEAMER or MOTORSHIP.

Received at London Office 17 MAY 1926

State if Report has been sent on the Freeboard of the Vessel *yes.*State if Report has been sent on the Machinery of the Vessel *yes.*Date of completion of report 10<sup>th</sup> May 1926.

Port of Copenhagen.

No. 7249.

Survey held at Nakskov.

Date First Survey 16<sup>th</sup> July 1924.

Last Survey

28<sup>th</sup> April 1926.

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

Twin screw motor vessel "ASTORIA" \*

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

Complete superstructure with tonnage opening State Type of Erections Forecastle deck.

TONNAGE under Tonnage Deck...

4076.59

CLASS + 100 A.1.

State if with freeboard as condition of Class *yes.*

Built at Nakskov.

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

121.49

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

L 380'-0"

Launched 19<sup>th</sup> January 1926 Yard No. 26

Total

4198.08

Breadth (greatest moulded)

B 53'-3"

Builders A/S Nakskov Skibsværft.

Gross Tonnage

4453.75

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

D 36'-0"

Owners A/S Dampskibsselskabet Orient

Register Tonnage

2693.65

1st Longitudinal Number (L x D) = 13680

Managers

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

2nd Numeral L x (B + D) = 33915

Residence

## REGISTERED DIMENSIONS.

FEET.

Length

380.12

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

24.58

Breadth

53.44

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

10.55

Port of Registry Copenhagen

Depth

25.62

Do. Long Bridge to top of keel

Draught Moulded 24'-9"

If surveyed while building, afloat, or in dry dock

While building, afloat, and in dry dock.

## 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>	30		<b>Bracket Floors, Frame</b>	9 1/2 3 1/2 49	
" " from 1/4 length to Collision bulkhead	27		" " Reversed Frame	9 3 1/2 49	
" " in peaks	24		" " Vertical Struts	9 3 1/2 49	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	42 54	
<b>Frame Amidships, Angle, E or C</b>	12 3 1/2 66		" " top Angles	3 1/2 3 1/2 52	
Extends up to Upper Deck			" " bottom Angles	4 4 58	
on every second.			<b>Side Girders, No. each side and thickness</b>	One 40	
<b>Reversed Frame Amidships, Angle</b>			<b>Margin Plate depth (excl. of flange) and thickness</b>	40 52	
Extends up to...			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 42	
<b>Depth of Framing Girder</b>			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 5 42	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or C</b>	7 1/2 3 1/2 66		" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 3 1/2 42	
Decks, Angle, E or C	alternate at 30"		" " Gussets, spacing and scantling forward 1/2 len. from stem	all fore & aft	
" " Second 'tween Decks, Angle, E or C			<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	8 1/2 45	
" " Third " " " "	✓		<b>INNER BOTTOM PLATING.</b>		
<b>Framing in Peaks, Angle, E or C</b>	7 1/2 3 1/2 36		Breadth and thickness of Middle Line Strake	52 50	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	7/8" 5 1/4"		Thickness of remainder in Holds	42	
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 Bankers and Boiler Room?	yes.	
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	Stringer 42 x 40		<b>BEAMS.</b>		
Web frame height 54 pl. Double face angles 4 x 3 1/2 x 54			<b>Uppermost Continuous Deck, amidships in Wells, Angle, E or C</b>	9 1/2 3 1/2 44	
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	2 Inter. (P. 13) F. 45 1/2 1/2 1/2		" " in way of Bridge, Angle, E or C	✓	
57 to Collision Bulkhead 58 at 24" spacing			Spacing	30"	
<b>SINGLE BOTTOM.</b>			<b>Second Deck, amidships, Angle, E or C</b>	11 3 1/2 51	
<b>Floors, Depth and thickness at mid-line in Holds</b>			Spacing	30"	
Height of Brackets at side above base line at toe of frame			<b>Third Deck, amidships, Angle, E or C</b>		
<b>Middle Line Keelson, on Floors, Angles, E or C</b>			Spacing		
" " Through Plate or Intercoastal Plate			<b>Fourth Deck, amidships, Angle, E or C</b>		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			<b>Poop Deck, Angle, E or C</b>		
<b>Side Keelsons, No. each side</b>			Spacing		
" " thickness of Intercoastal Plate			<b>Bridge Deck, Angle, E or C</b>		
" " Angles			Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Forecastle Deck, Angle, E or C</b>	27" 44	
<b>Solid Floors, thickness and spacing</b>	every 2nd in Holds 40		Spacing	24"	
on every frame in Motor Space 1/2 of 3/5 L.					
" " Are Frame and Reversed Frame joggled? yes.					
<b>Bracket Floors, breadth and thickness at middle line</b>	39" 40				
" " breadth and thickness at margin plate	32" 40				



## 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, No. of Rows.....</b>			Stringer Plate, breadth and thickness in way of Bridge .....	✓	
"    in 'tween Decks, Size and Spacing.....	One row 2 7/8"		Thickness of Plating abreast Deck openings in way of Wells .....	35	
"    "    "    "    "			Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
"    in Holds    "    "			Thickness of Plating within line of openings...	33	
"    "    "    "    "			If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	On every 2nd frame		Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	30		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	66 49		If Plated, state thickness .....		
"    "    "    "    in way of Bridge	✓		<b>Poop Deck.</b>		
"    Angle in Wells .....	5 5 53		Stringer Plate, breadth and thickness .....		
Thickness of Plating abreast Deck openings	40		Plating, Sheathing, material and thickness ...		
"    in way of Wells .....	✓		<b>Bridge Deck.</b>		
Thickness of Plating abreast Deck openings	✓		Stringer Plate, breadth and thickness.....		
"    in way of Bridge .....			Plating, Sheathing, material and thickness ...		
Thickness of Plating within line of openings...	37		<b>Forecastle Deck.</b>		
If Sheathed, material and thickness .....	✓		Stringer Plate, breadth and thickness.....	34	
<b>Second Deck.</b>			Plating, Sheathing, material and thickness ...	34	
Stringer Plate, breadth and thickness in Wells...	69 38				

## 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.	
	Inches.	Inches.	Inches.	Inches.									
FLAT PLATE KEEL :.....	51	✓ 75 ✓	65 ✓	65 ✓	✓	Double	1	4 pr.	Yreble	1	3½	Strapped	
„ DBLG. (if any)	✓												
BOTTOM PLATING, No. of Strakes .. 4 .....	75	57 ✓	48 ✓	48 ✓	✓	Double	7/8	8 pr.	Yreble	7/8	3 5/8	Lapped	
BILGE PLATING, No. of Strakes .....	75	57 ✓	46 ✓	46 ✓	✓	"	7/8	"	"	"	"	"	
SIDE PLATING, No. of Strakes .. 4 .....	75½	57 ✓	46 ✓	46 ✓	✓	"	7/8	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells .....	50	65 ✓	46 ✓	46 ✓	✓	"	7/8	"	Quadruple	"	3½	Lapped.	
UPPER DECK, Sheer-strake in Bridge ...	✓												
STRAKE BELOW Sheer-strake in Wells .....	53	60 ✓	46 ✓	46 ✓	✓	Double	7/8	8 pr.	Quadruple	7/8	3½	Lapped.	
STRAKE BELOW Sheer-strake in Bridge ...	✓	62											
POOP SIDE PLATING .....	✓												
BRIDGE SIDE PLATING ...	✓												
FORECASTLE SIDE PLATING	38		40			Single	3/4	3	Double	3/4	2 5/8	Lapped.	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *disc.*  
Extending to Upper Deck (Sec. 3 c) *1 (Collision Bhd).*  
    ,, Deck next below *5*  
As per Rule *6.*

				STIFFENERS.				
				Plating Thickness.	VERTICAL.		HORIZONTAL.	
					Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks				✓				
"	"	Second	"	✓				
"	"	Third	"	✓				
"	"	Holds	"					
" and as per plan. <i>Bhd 74</i>								
COLLISION	"	(in Hold)	.....✓	53-26	12-3 1/2	52	2 1/4	1 semi-box beam 2 frame spaces
AFTER PEAK	"	"	.....✓	48-30	8 1/2-3	46	2 1/4	1 semi box beam 1 frame space

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	✓			
STEM	Forging	9 1/2 x 2 1/2	Krupps	
STERN FRAME	Shaft Brackets	2" 15/2	Bochumer Verein	see plans
	<del>Propeller Post</del>			
	Rudder	10 1/2 x 3	Bochumer	
RUDDER—A x D	540			
Speed of Vessel	11 knots	cast		
RUDDER mainpiece at head	forged	10 1/2 dia	Bochumer	
" " heel	steel	8" "	Verein	
" "	Forged arms	shrink	Bochumer	
" how constructed	16 mainpiece			
" double or single plate	single plate		Germany	
" 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) *Open hearth process.*  
 Plates: - *Gutehoffnungshütte; August Thyssen-Hütte; Lauchhammer Akt. Ges.*  
 Sections: - *Dorman Long & Co. Ltd; Gutehoffnungshütte, Oberhausen, Germany.*  
 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.)

Plans:— The following plans and certificates are forwarded herewith:—

Midship Section  
Profile and Decks } as built.

The approved plans have been retained in this office as a sister vessel (with tonnage opening closed) is being built at Nakshov.

Certificates:— Stern frame N<sup>o</sup> 2163.  
Propeller brackets (2 off). N<sup>o</sup> 2155 and 2156  
Rudder arms, Main piece and Stock. N<sup>o</sup> 2164.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower N <sup>o</sup> 584 Anchor head Weight 37.3.14 K.H. 3354 17.3.25 Shank Weight 16.3.9 M.B. 187 27.2.25
	2nd " " 497 " " " 37.1.6 K.H. 3046 12.8.24 " " 16.3.9 K.H. 149 15.12.24
	3rd " " 595 " " " 35.3.9 K.H. 3460 28.4.25 " " 13.2.14 K.H. 207 28.4.25

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 38.83 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) 1 Plk (Stl) & Shelter dk (Stl).

Official No. ; Signal Letters Is bottom of Vessel coated with cement No. if not give particulars of composition cemented in way of peak tanks only.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	115	274	Fore peak tank,		20.83	116	
Double bottom, under Engines and Boilers,	35	108	After peak tank,		22.91	123	
Double bottom, if under Engines only,			Deep tank, aft,				
Double bottom, if under Boilers only,			Deep tank, forward,				
Double bottom, forward,	183.75	636	Other tanks, if fitted, between tunnels		45.0	90	
	Total capacity of double bottom	1018	(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. 26

Date 28<sup>th</sup> Nov. 1924

Dates of Surveys held while building

1924:— 16/7, 30/7, 11/9, 7/10, 17/10, 28/10, 20/11. 1925:— 5/3, 19/6, 24/6, 14/7, 21/7, 13/8, 20/8, 3/9, 15/9, 29/9, 10/10, 27/10, 4/11, 23/11, 8/12, 17/12, 30/12. 1926:— 12/1, 18/1, 19/1, 28/1, 17/2, 4/3, 17/3, 24/3, 23/4, 27/4.

Lloyd's Register Foundation  
Total No. of Visits 36