

STEEL STEAMER ~~OR~~ MOTORSHIP.

Received at London Office 23 AUG 1926

State if Report has been sent on the Freeboard of the Vessel *no*State if Report is sent on the Machinery of the Vessel *herewith*

Date of completion of report 18 August 1926

Port of Copenhagen

No. 7326

Survey held at Odense

Date First Survey 25 May 1925

Last Survey 31 July 1926

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

Steel Screw Motorship "Toledo"

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

Full Scantling

State Type of Erections *Boop, Bridge*

TONNAGE under Tonnage Deck... 4115.77

CLASS *100A1*State if with freeboard as condition of Class *no*

Built at Odense, Denmark Forecastle

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) L 375'-0"

Launched 23 April 1926 Yard No. 23

Total

Breadth (greatest moulded) B 52'-3"

Builders Odense Glasstisverft ved A.P. Høller

Gross Tonnage 4620.60

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 29'-5"

Owners A/S. Tankfart I, II, III, IV.

Register Tonnage 2829.53

1st Longitudinal Number (L x D) = 11032

Managers W. H. W. Nielsen

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

## REGISTERED DIMENSIONS.

FEET.

Length 376.2

Framing Depth "d," at middle of length. See Sec. 3 (1d) 17'-3"

Breadth 52.5

Proportions—Depth to Length—Uppermost continuous deck to top of keel 12.75

Depth 27.1

Do. Long Bridge to top of keel 10.02

Draught Moulded 24'-2"

Residence Oslo &amp; Tønsberg

Port of Registry Tønsberg

If surveyed while building, afloat, or in dry dock

yes (not in drydock)

## 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> .....	28		<b>Bracket Floors, Frame</b> .....	7 x 3 1/2 x 40	
" " from 1/5 length to Collision bulkhead.....	27		" " Reversed Frame.....	6 1/2 3 40	
" " in peaks.....	24		" " Vertical Struts.....	6 1/2 3 40	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	41 50	
<b>Frame Amidships, Angle, A or C</b> .....	10 3 1/2 48		" " top Angles <i>double</i> .....	3 3 50	
" " Extends up to.....	2 1/2 Deck		" " bottom Angles.....	4 4 54	
<b>Reversed Frame Amidships, Angle</b> .....	✓		<b>Side Girders, No. each side and thickness</b> .....	2 7/8 38	
" " Extends up to.....	✓		<b>Margin Plate depth (excl. of flange) and thickness</b> .....	40 1/2 48	
<b>Depth of Framing Girder</b> .....	✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem.....	3 1/2 3 1/2 40	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, A or C</b> .....	7 3 1/2 36		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem.....	3 1/2 3 1/2 40	
<i>Lapped to Side frames</i> <b>Second 'tween Decks, Angle, C or E</b> .....	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	3 1/2 3 1/2 38	
" <b>Third</b> .....	✓		<i>on every frame</i> " <b>Gussets, spacing and scantling forward 1/4 len. from stem</b> .....	3 1/2 3 1/2 38	
" <b>in "Bridges" space, in "one with 'tween</b> .....	3 1/2 7 x 3 1/2 x 36		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	67 44 64 wide on Midships S.	
<b>Framing in Peaks, Angle or C</b> .....	7 1/2 3 36		<b>INNER BOTTOM PLATING.</b>		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	7/8 7 diam 3/4 Spacing		<b>Breadth and thickness of Middle Line Strake</b> .....	49 48	
<b>State if Frame Joggled</b> .....	yes		<b>Thickness of remainder in Holds</b> .....	40	
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars.....	3 width 27 x 48 3 stringers 36 3 1/2 x 3 1/2 x 46		<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bulkheads and Border Room?</b> .....	yes	
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars.....	2 extra inters. 1 1/2 height Bottom frames: double 1 1/2 from Bow P.P. to Coll Bulkhead (amidships) 3 stringers of Bottom Plating 3 ships thickness		<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			<b>Uppermost Continuous Deck, amidships</b> .....	7 3 1/2 38	
<b>Floors, Depth and thickness at mid-line in Holds</b> .....			" " in Wells, Angle, A or C.....	7 3 1/2 38	
<b>Height of Brackets at side above base line at toe of frame</b> .....			" " in way of Bridge, Angle, A or C.....	28	
<b>Middle Line Keelson, on Floors, Angles, C or E</b> .....			<b>Second Deck, amidships, Angle, A or C</b> .....	7 3 42	
" " Through Plate or Intercoastal Plate.....			<b>Spacing</b> .....	28	
" " Foundation Plate on Floors.....			<b>Third Deck, amidships, Angle, C or E</b> .....		
" " Flat Plate Keel Angles.....			<b>Spacing</b> .....		
<b>Side Keelsons, No. each side</b> .....			<b>Fourth Deck, amidships, Angle, C or E</b> .....		
" " thickness of Intercoastal Plate.....			<b>Spacing</b> .....		
" " Angles.....			<b>Poop Deck, Angle, A or C</b> .....	7 3 34	
<b>DOUBLE BOTTOM.</b>			<b>Spacing</b> .....	28 x 24	
<b>Solid Floors, thickness and spacing</b> .....	38 spaces 3 frames		<b>Bridge Deck, Angle, A or C</b> .....	6 1/2 3 36	
" " Are Frame and Reversed Frame joggled?.....	yes		<b>Spacing</b> .....	28	
<b>Bracket Floors, breadth and thickness at middle line</b> .....	2'-7" 38		<b>Forecastle Deck, Angle, A or C</b> .....	7 1/2 3 48	
" " breadth and thickness at margin plate.....	3'-9" 38 (average)		<b>Spacing</b> .....	27 x 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.
<b>PILLARS, No. of Rows.....</b>	2 rows						
" in 'tween Decks, Size and Spacing.....	7 frames 8 frames to	229" x 10"					
" " " " " "		152" x 9"					
" in Holds	9 frames 8 frames to	318" x 13.5"					
" " " " " "		241" x 11"					
<b>Centre Line Bulkhead.</b>							
Stiffeners and Spacing.....	10 x 3 1/2 x 48						
Plating, thickness of	2 frames 30						
<b>STRINGERS AND DECKS.</b>							
<b>Uppermost Continuous Deck.</b>							
Stringer Plate, breadth and thickness in Wells	54 1/2 x	87	.79				
" " " " in way of Bridge	54 1/2 x	38					
" Angle in Wells	6 x 6 x 80						
Thickness of Plating abreast Deck openings in way of Wells		.62	.56				
Thickness of Plating abreast Deck openings in way of Bridge		.34					
Thickness of Plating within line of openings...		.36					
If Sheathed, material and thickness							
<b>Second Deck.</b>							
Stringer Plate, breadth and thickness in Wells...	46 1/2	.38					
Stringer Plate, breadth and thickness in way of Bridge	46 1/2 x	.36					
Thickness of Plating abreast Deck openings in way of Wells		.34					
Thickness of Plating abreast Deck openings in way of Bridge		.38					
Thickness of Plating within line of openings...		.32					
If Sheathed, material and thickness							
<b>Third Deck.</b>							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness.....							
<b>Fourth Deck.</b>							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness							
<b>Poop Deck.</b>							
Stringer Plate, breadth and thickness	34	.34					
Plating, Sheathing, material and thickness	2 1/2" x 24"	.26					
<b>Bridge Deck.</b>							
Stringer Plate, breadth and thickness.....	54 1/2 x	.42	.38				
Plating, Sheathing, material and thickness		.42	(38)				
<b>Forecastle Deck.</b>							
Stringer Plate, breadth and thickness.....	34 x	.34					
Plating, Sheathing, material and thickness		.34					

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled?			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 .....	49	.74	.68	.66		2 1/2	1"	4"	4 per	1	4	Lapped	
" DBLG. (if any)	✓	✓	✓	✓									
BOTTOM PLATING, No. } of Strakes .....4.}	68	.58	.58	.50		2 1/2	7/8	3 1/2	3 per	7/8	3 1/2	Lapped	
BILGE PLATING, No. of } Strakes .....1.}	71 1/2	.58	.56	.56		"	7/8	3 1/2	3 per	"	"	"	
SIDE PLATING, No. of } Strakes .....5.}	62 1/2	.58	.58	.50		"	"	"	"	"	"	"	
UPPER DECK, Sheer- } strake in Wells.....}	50 1/2	.86			.79	"	1"	4	4 per	1	4	"	
UPPER DECK, Sheer- } strake in Bridge ...}	50 1/2	.64			.58	"	7/8	3 1/2	3 per	7/8	3 1/2	"	
STRAKE BELOW Sheer- } strake in Wells.....}	"	.77			.70	"	1	4	4 per	1	4	"	
STRAKE BELOW Sheer- } strake in Bridge ...}	"	(.58)				"	7/8	3 1/2	3 per	7/8	3 1/2	"	
POOP SIDE PLATING .....	51 3/8	.38				single	5/8	2 1/2	2 1/2	3/4	2 5/8	"	
BRIDGE SIDE PLATING ...	"	.62			.56	double	7/8	3 1/2	3 per rule 36	7/8	3 1/2	"	
FOREC'TLE SIDE PLATING	"	.40				single	3/4	3	2 1/2	3/4	2 5/8	"	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	7
Extending to Upper Deck (Sec. 3 c)	6
" Deck next below	1 outlight
As per Rule	6

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	✓	Forged steel 9x2 1/2		
STERN FRAME	✓	Cast-steel 10 1/2 x 7 1/4	Pender	
	✓	9 x 7 1/4	Wicks	
	✓		Pisson	
RUDDER—A x D				
Speed of Vessel		12 knots		
RUDDER mainpiece at head	✓	Forged 10 3/4 x 4	Pender	
" " heel	✓	Forged 8 1/2 x 4	Wicks	
" " "			Pisson	
" how constructed		Arms shrink on & keel		
" double or single plate		single		
" coupling, vertical		vertical, 8 Bolts, 3" φ		
" horizontal				

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	.26	4 1/2 x 3 x 32	29 1/2		
" " Second	✓				
" " Third	✓				
" " Holds	.40-.30	10 x 3 1/2 x 50	29 1/2		
COLLISION " (in Hold)	.50-.30	9 1/2 x 3 1/2 x 50	24	2 x 1 1/2 x 60 beams	
AFTER PEAK " "	.44-.30	11 x 3 1/2 x 66	24	1 Tunnel	

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	P. & M. Co. Ltd. (P. & M. Co. Ltd.)
STEEL.	Has the steel been tested as required by the Rules?
	Yes.



EQUIPMENT No. 32199										LETTER X		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
656	1st Bower ...	57	1	0	✓			46	15	2	14	56-1-0	"Union" Cast-Steel Head & Cast steel Shank	Deutch Lullaburg	Düsseldorff X. Hans
655	2nd „ ...	57	0	14	✓			46	14	0	7	56-1-0			
657	3rd „ ...	49	0	10	✓			41	16	2	7	47-2-0		Bergw. & Hütten	
	Collective weight	163	1	24	✓							163-0-0			
658	Stream .....	14	3	21	✓	3	2	26	16	10	0	15-0-0	Mainpiece Cast.	a.g. Union.	

CHAIN CABLES.												HAWERS 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.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
1217	195	2 1/2	113-5	81-5	448-1-6				270	2 1/2	N.V. Nederland-				120	4 1/2	39	120	4 1/2
1220	75	2 1/2	113-5	81-5	178-2-3			608-3-0			Steel	Sche Ketting-	11/12-25	X	2x90	2 1/2	12 1/2	2x90	2 1/2
Iron Stream Cable and Steel Wire					626-3-9						and anker-		15/12-25	Kuyt					
	90	4 1/2							90	4 1/2	fabric								
											Rotterdam		Rotterdam						

Steering Gear, Steam *Deutsche Werke, a.g. Electrically driven* Steering Gear, Hand *in connection with Main gear*  
*10 1/4 - 26 - 6 x 8 - 1 1/2 x 3 1/4*  
Boats *2 1/4 - 20 - 6 x 6 - 9 x 2 1/2* Steering Chains, Size and Test ✓ Windlass *Electrically driven*  
*Th. B. Thrig*  
Ceiling in Holds, thickness and material *2 1/2 pine on 2" battens* Cargo Battens, thickness, material and spacing *6" x 2" pine, 9" spaced*  
Cargo Hatchways.-(Upper Deck) *44 Side & end Gannings, 36" high,* Thickness of Hatches *2 1/2" wood*  
Size of No. 1 Hatchway (Forward) *29'-3" x 18'-0"* No. 2 *30'-4" x 18'-0"* No. 3 *28'-0" x 18'-0"* No. 4 *30'-4" x 18'-0"* No. 5 *28'-0" x 18'-0"* No. 6 ✓  
Number of Shifting Beams *and/or Fore and Afters* *6 shifting beams, - 14 1/2 x 36 1/2 4 x 3 x 44.*

ODENSE STAALSKIBSVÆRFT  
VED A. P. MØLLER

Builder's Signature

*W. Westho*

GENERAL DECLARATION - *The vessel has been built according to the Secretary's letters, the approved plans, and to my satisfaction.*  
*The workmanship is good.*

*deck tunnel & bulkheads listed (see list.)*

The amount of Entry Fee ..... £ 146: 2s. 5.6d. Fees applied for,  
*Telegrams* 11 " 83 " 19  
Special Survey Fee.... 56: 5s. " 92 " Received by me,  
Travelling Expenses, if any £ 03: 1s. " 25 " 4.9.26  
*06. 12 - 10 - 31* 90 " 00.  
State whether the Vessel has been built under Special Survey *yes*  
Hull & Machinery Surveyor's Office *yes*  
Certificate to be sent to *Copenhagen* Date of issue *27/8/26*

I am of opinion the Vessel should be Classed

*100 A 1*

Signature

*Jac. v. Rosen.*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 27 AUG. 1926

Character assigned

*100 A 1.*

*Lloyd's A.C.P.*

*+ L.M.C. 7: 26*

*Oil Engines*

*W. Westho*



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Lloyd's Register

012493-012492-002612



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.)

Rpt. 4

Iron frame: Cast steel I. M. annealed [No. 275. (sign) C. R. H. Progers] 18.12.25.  
Certificate 665. in 2 parts,  
Koda Works, Pilsen, C.S.R.

Rudder frame: Forged I. M. annealed [No. 205. (sign) C. R. H. Progers] 12.1.26.  
Certificate 676. Koda Works, Pilsen, C.S.R.

Hull pillars: Seamless Tubes, Mannesmann-Rohr-Werke,  
(Wagzwerk Raitz)

(sign) Jul. Anst. 14-1-26. 50 tubes,  
Düsseldorff. 34.9-43.6 tons / 0.1

2 tubes: do. do. do.

(sign) J. Loogen, 14-1-26.

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

1st Bower { No. 656. 37-1-8-K.H. No. 3733. 21-11-25, Head, }  
" " 19-3-20-J.L. " 128 21-11-25, Shank }  
2nd " { No. 655 37-0-25 K.H. No. 3734 " " Head }  
" " 19-3-17 J.L. " 129 " " Shank }  
3rd " { No. 657 31-1-27 K.H. No. 3732 " " Head }  
" " 17-2-11 J.L. " 130 " " Shank }

Stream: No. 658 14-3-21 K.H. No. 3735 " " Mainpiece. "  
PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.5 ft., R.Q.D. ✓ ft., Bridge 107.4 ft., Forecastle 36.0 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 Decks (4e)

Official No. ; Signal Letters L.F.T.P. Is bottom of Vessel coated with cement no. if not give particulars of composition oil.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity Tons.
Double bottom, aft,	100'-4"	239.6	Fore peak tank,	✓	57.0
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	✓	32.6
Double bottom, if under Engines only,	44'-4"	159.8	Deep tank, aft, 2 side tanks	37'-4	117.6
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	30'-4	820.0
Double bottom, forward,	186'-11	662.2	Other tanks, if fitted,		
Total capacity of double bottom		1061.6	(If necessary, furnish further information by sketch.)		

\* The wells are not included in the lengths of the tanks.  
331-7

Order for Special Survey No. 37

Date 15/6.25.

Dates of Surveys held while building

{ 1925: 25/5, 31/10, 19/11, 5/12 18/12. 1926: 4/2, 5/2, 23/2, 24/2, 20/3, 9/4, 17/4  
2/4, 22/4, 18/5, 15/6, 16/6, 24/6, 25/6  
10/7, 11/7, 30/7, 31/7. —

Total No. of Visits. 24