

State if Report is sent on the Machinery of the Vessel Yes!

No. 9699

1935

Complete Superstructure Vessel with Tonnage Opening

State Type of Erections *File and Loop*

State if with freeboard } *yes!*
as condition of Class }
FEET.

Built at Copenhagen

Length from fore part of stem to after part of stern } **L** 390.0
post on summer L.W.L. See Sec. 3 (1a)

Launched 6 July 1935. Yard No. 614

*1/5 Burmeister & Wain's Maskin-
Builders & Skibsbyggeri.*

Depth, at middle of length from top of keel to top of lower side of uppermost continuous 36.82

Owners Skips. ^{A/S.} "Arnstein"

deck. See Sec. 3 (1c))

Managers *P. Holm.*

Managers..... P. Holzner

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

REGISTERED DIMENSIONS

Framing Depth "d," at middle of length. See } 24.18

Residence *1471 - Johansgaten*

Sec. 3 (1d))
Proportions—Depth to Length—Innermost con-) 10.59

Port of Registry *Oslo.*

Do. Long Bridge to top
of keel }

It submerged while sailing, about, or in any other

Draught Moulded **25.33**

yes!

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. # 1/4 in.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. # 1/4 in.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	30	✓	Bracket Floors, Frame	5 250 90 11	✓
" " from 3/4 length to Collision } bulkhead.....}	27	✓	" " Reversed Frame	5 230 90 11	✓
" " in peaks	24	✓	" " Vertical Struts	5 230 90 11	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 " 54	
Frame Amidships, Angle, E or C	300 90 15	12 x 3 1/2 x 56	" " top Angles	Double 90 90 13	✓
" " Extends up to	Upper deck - alt. frames.	✓	" " bottom Angles	Single 150 150 14.5	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 off 40	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	39 " 52	✓
Depth of Framing Girder	300	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	90 90 10.5	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	Frames cut down to 7 1/2 in 'tween	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	90 90 10.5	✓
" " Second 'tween Decks, Angle, C or E	decks 8 as app.	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	continuous gusset	✓
" " Third " " " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	plate 40	✓
Framing in Peaks, Angle or C	200 75 10	203 x 76 x 97	Tank Side Brackets, height above base line at toe of Frame and thickness	87 1/2 " 48	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 5 3/4	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake ...	52 " 50	✓
PANTING ARRANGEMENTS (Sec. 7), state web fr. and side stringers system and particulars	web fr. 3 off 37 " 52	✓	Thickness of remainder in Holds	42	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Fore bar 170 x 90 x 15 5 off 3 at 37 in. 34 2 - 150 x 75 x 10 1/2 1 strake 64 to Coll bhd. 2 full height late. 4 half "	✓	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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or C	230 90 11	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, C or E	30	✓
Middle Line Keelson, on Floors, Angles, C or E	✓		Spacing	30	✓
" " " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, E or C	280 90 12	✓
" " " Foundation Plate on Floors	✓		Spacing	30	✓
" " " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, C or E	✓	✓
Side Keelsons, No. each side	✓		Spacing	✓	✓
" " thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, C or E	✓	✓
" " Angles	✓		Spacing	✓	✓
DOUBLE BOTTOM.			Poop Deck, Angle, E or C	200 75 10	✓
Solid Floors, thickness and spacing	40 ev. 3rd fr.	✓	Spacing	30 and 24	✓
" " Are Frame and Reversed Frame joggled?	frames joggled.	✓	Bridge Deck, Angle, C or E	✓	✓
Bracket Floors, breadth and thickness at middle line	45 " 40	✓	Spacing	230 90 11	✓
" " breadth and thickness at margin plate	72 " 44 " 40	✓	Forecastle Deck, Angle, E or C	150 75 10	✓
			Spacing	27 and 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.
PILLARS, No. of Rows.....	Due.								
" in 'tween Decks, Size and Spacing....	13" dia x .44	.8"	.40 as approved.		Stringer Plate, breadth and thickness in way of Bridge	✓			
" " " " "	6" x .36		approved.		Thickness of Plating abreast Deck openings in way of Wells .....	.	36		✓
" " " " "	at hatch ends				Thickness of Plating abreast Deck openings in way of Bridge	✓			
" in Holds " "		✓			Thickness of Plating within line of openings..	.	34		✓
" " " " "		✓			If Sheathed, material and thickness	✓			
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.....	250	90	11½ - 60"		Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of .....	.30	✓			If Plated, state thickness.....	✓			
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....	✓			
Stringer Plate, breadth and thickness in Wells	78	x	.49 ✓		If Plated, state thickness	✓			
" " " , in way of Bridge		✓			Poop Deck.				
" Angle in Wells	130	130	13 ✓		Stringer Plate, breadth and thickness	35	x	.35	✓
Thickness of Plating abreast Deck openings } in way of Wells .....	.43		✓		Plating, Sheathing, material and thickness ...	.76	- .30 outside sheathing. <i>5x 2½ Oregon Pine</i>		✓
Thickness of Plating abreast Deck openings } in way of Bridge	✓				Bridge Deck.				
Thickness of Plating within line of openings...	.37				Stringer Plate, breadth and thickness.....	✓			
If Sheathed, material and thickness	✓				Plating, Sheathing, material and thickness ...	✓			
Second Deck,					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...	81	x	.37 ✓		Stringer Plate, breadth and thickness.....	35	x	.34	✓
					Plating, Sheathing, material and thickness ...	.30			✓

SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	No.	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	51	.76	.76	.76	176 to 166	Double	1	4	Four	1	4	Lapped		
„ DBLG. (if any)	✓					✓			✓					
BOTTOM PLATING, No. of Strakes	A = 82½ 75	A = 64 57	A.B. 56 C.D. 52	A = 64 57		Double	7/8	3½	Treble	7/8	3/8	Lapped.		
BILGE PLATING, No. of Strakes	68	.57	.50	.50		„	7/8	3½	„	7/8	3/8	„		
SIDE PLATING, No. of Strakes	81 76 77 80	.57	.46	.46		„	7/8	3½	„	7/8	3/8	„		
UPPER DECK, Sheer-strake in Wells	50	.64	.46	.46		„	7/8	3½	Four	7/8	3½	„		
UPPER DECK, Sheer-strake in Bridge ...	✓					✓			✓					
STRAKE BELOW SHEER-strake in Wells	51½	.62	.46	.46		Double	7/8	3½	Four	7/8	3½	Lapped.		
STRAKE BELOW SHEER-strake in Bridge ...	✓					✓			✓					
POOP SIDE PLATING .....			.38			Single	¾	3	Double	¾	2 5/8	Lapped.
BRIDGE SIDE PLATING ...	✓					✓			✓					
FOREC'TLE SIDE PLATING			.41			Single	¾	3	Double	¾	2 5/8	Lapped.		

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Plating Thickness.		STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
Extending to Upper Deck (Sec. 3 &)	1						
„ Deck next below	7						
As per Rule	6						
MIDSHIP BULKHD, Upper tween decks		✓					
„ „ Second „		✓		200 x 30 x 15			
„ „ Third „		✓					
„ „ Holds				38 x 26	280 x 90 x 14	30	
COLLISION „ (in Hold)				52 x 29	280 x 90 x 12.5	24	Peak dk 36 48 x 40 11' 6"
AFTER PEAK „ „				50 x 30	230 x 90 x 11	24	1st 33 x 40 2nd 30 x 40 Turned recess

	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	Burmeister & Wain.	
STERN FRAME {	Propeller Post	Casting 13 1/2 x 10 1/4		
	Rudder „	15 1/2 x 7		
RUDDER—A x D		40 x 6		
Speed of Vessel		12 1/2 knots.		
RUDDER mainpiece at head ...	Casting	10 1/4		
„ „ „ heel ...	-	7 1/2		
„ how constructed		As us. & mainpiece cast. in one piece.		
„ double or single plate	Single	1 x 13		
„ coupling, vertical or horizontal	Vertical.			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Plates: - Mannesmannröhren - Werke. Dg. - Hückingen.
Profiks: - Dortmund - Hoerder. Hüttenvereins.

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

Open heart process

Lloyd's Register
Foundation

EQUIPMENT No. 35424										LETTER Z		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.			
19273	1st Bower ...	61	0	7	Stockless			49	0	2	14	63 3/4	Halls-type	Not stated	Cardiff 26.4.35 L.L. Wright
19272	2nd " ...	60	3	0				48	15	0	0		"	"	" 20.4.35 L.L. Wright
1521	3rd " ...	60	3	9				48	17	2	0		Union stockless	Dortmund	Dortmund 28.7.30 Karl-Haus
	Collective weight.	182	2	16								182.			
1726	Stream	16	1	19	4	2	5	17	16	1	0	17 1/2 on stock	Ord. stock.	Unrau.	Wissendorf 28.4.32 Karl-Haus

CHAIN CABLES.												HAWSERS 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.	Statutory.	Break-ing.	Supplied.		Per Rule.	Length.	Diam.	Length.					Cir.	Tons.		Length.	Cir.
36211	270	2 1/4	9 1/8	127 1/2	714. 3. 7		682 1/4	270	2 1/16	stud link.	Not stated.	Cardiff. 9.5.35 H. L. Wright.	TOWLINE... HAWSERS & WARPS " "	Fathoms. Net.	Ins.	Tons.	Fathoms.	Ins.	
	✓	✓					✓							220	5 (6x24)	70.9	120	5 (6x12)	
	Net.	Cir.							Cir.					2x90 fms 8"			2x90	8" Heavy	
Lower Stream Chain and Steel Wire	165	4 3/4	✓	646				90	4 3/4	✓					4x120 - 8"		2x90	7"	
	✓	(6x24)							(6x12)										

Steering Gear, ~~Steam~~ Elec. Hyd., Brown Bros. Steering Gear, Hand Brown Bros. 6' Handwheel (Two-off)

Boats 4 off 22'0" x 6'0" x 3'3" Steering Chains, Size and Test. Windlass Th. B. Thrice, All etc.

Ceiling in Holds, thickness and material 2 1/2" pluc. ou. 2" battens. Cargo Battens, thickness, material and spacing 6" x 2" sp 9" apart.

Cargo Hatchways.-(Upper Deck) 5 off, steel coamings 33" x 44" Thickness of Hatches Coamings 44, woodcovers 2 1/2"

Size of No. 1 Hatchway (Forward) 27'0" x 18'0" No. 2 37'6" x 18'0" No. 3 37'6" x 18'0" No. 4 30'0" x 18'0" No. 5 30'0" x 18'0" Tonn. Op. 4x6" x 18'0"

Number of Shifting Beams and/or Fore and Afters. No. 1-5 off, No. 2-7 off, No. 3-7 off, No. 4-5 off, No. 5-5 off.

AKTIESELSKABET
BURMEISTER & WAINSKIN- og SKIBSBYGGERI

Builder's Signature *[Signature]*

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel yes (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo yes. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved plans, the Secretary's letters and as required by the Society's Rules for the class contemplated.

The workmanship is good and to our satisfaction.

All double bottom, and peak tanks, deep tank, decks, watertight bulkheads, tunnel & gutterways have been tested as required by the Rules and found satisfactory.

This vessel is fitted to carry fuel oil in the double bottom tanks and in deep tank immediately forward of the motor room. - Flash point of oil to be above 150° Fahr. - Section 20 of the Rules complied with where applicable.

The amount of Entry Fee ... Kr. £ 179.20 Fees applied for, 10.9.1935

Special Survey Fee. Kr. £ 7174.72 Received by me, 16.10.1935

Travelling Expenses, if any £ 16/10

State whether the Vessel has been built under Special Survey yes

Certificate to be sent to Surveyors' office Copenhagen. Date of issue 18/9/35

Signature *[Signature]* W. J. J. J. J.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 17 SEP 1935

Character assigned +100A1 with 3rd
Carry? cargo oil 27. above 150°F in D.T.
Lloyd's A & C.P. + LMC 8.35 Oil Engines
C.L.; D.B. - 90lb

Write C/P (L & M)

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.)

The following approved plans are forwarded herewith.

Midship Section.
Profile and decks.
Stempost
Cast steel rudder frame.
Motor Seatrugs.
After peak tank and cruiser stern.
Arr. of Deep Tank.
The Nielsen hatchway arrangement.

The following certificates are forwarded herewith.

No 4066 - Stern frame.
- 4077 - Rudder frame.
- 2715 - Rudder head.
- 2450 - Stern.
Interim Certificate.

The after peak tank has been built to carry fuel oil (flash point above 150° Fahr) as cargo, and may be used for that purpose when the pipe system has been altered to suit and Sect. 20 of the Rules has been complied with where applicable.

The vessel is a sister vessel to "V. Höegh Merchant", the same builders Yard No 582, except that the length has been increased by 5 feet and the depth by 1".
No sister vessels now building.

No 1 and 2 bower anchors have been previously tested.

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

1st Bower

2nd "

3rd "

Head
39-1.3, M.B., 4184, 7-7-30.
16-1.19, K.H., 10307, 4-4-32.

Shank

21-2.6, K.H., 958, 21-7-30

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30.75 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 32.25 (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 Dh (511) & Shelter-dk (511).

Official No. ✓

; Signal Letters

L. J. A. F.

Is bottom of Vessel coated with cement ✓

if not

particulars of composition For. & aft. peak cemented.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Oil Capacity Tons.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	Oil. Tons.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	368	120	398	Fore peak tank,	✓	20.5	13
Double bottom, under Engines and Boilers,	94	32.5	102	After peak tank,	177	23.0	19
Double bottom, # under Engines only (lub. oil)	22.7	30.0	✓	Deep tank, aft,	✓	✓	✓
Double bottom, if under Boilers only,	✓	✓	✓	Deep tank, forward of Motor room.	1000	27.5	1086
Double bottom, forward,	710	184	782	Other tanks, if fitted,	✓	✓	✓
	1172.0	Total capacity of double bottom 362	1282	(If necessary, furnish further information by sketch.)	1177		140

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

Order for Special Survey No. 74

Date 22nd Dec. 1934

Dates of Surveys held while building

1935 3/1, 12/1, 14/1, 21/1, 22/1, 25/1, 30/1, 31/1, 4/2, 5/2, 12/2, 13/2, 14/2, 19/2, 22/2, 25/2, 3/3, 4/3, 5/3, 8/3, 11/3, 13/3, 18/3, 19/3, 20/3, 25/3, 26/3, 29/3, 1/4, 8/4, 13/4, 23/4, 25/4, 7/5, 13/5, 15/5, 16/5, 20/5, 24/5, 25/5, 29/5, 3/6, 8/6, 12/6, 13/6, 17/6, 26/6, 2/8, 5/8, 12/8, 15/8, 19/8, 24/8, 27/8, 29/8

Lloyd's Register
Foundation
Total No. of Visits 50