

## STEEL STEAMER or MOTORSHIP.

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 *30 H March 1940* Port of *Copenhagen* No. *1143*Survey held at *Copenhagen* Date First Survey *4H March 1939* Last Survey *16th March 1940*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw Motor vessel "Høegh Silverdawn"*State Type (Full Scantling, Complete Superstructure) *Full Scantling* State Type of Erections *Poop & Forecastle*TONNAGE under Tonnage Deck... CLASS *100 A1* State if with freeboard as condition of Class *no* Built at *Copenhagen*Do. of space or spaces between Tonnage Dk. and Upper Dk. Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) *L 430'0"* Launched *22th December 1939* and No. *648*Total Breadth (greatest moulded) *B 58'0"* Builders *A/S. Burmeister & Wain*Gross Tonnage *7714.73* Owners *Skibsaktieselskabet Arizona (Leif Høegh A/S)*Register Tonnage *4729.96* 1st Longitudinal Number (L x D) = *16227* Managers (Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.96* Residenceh *444'3"* Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.54* Port of Registry *Oslo*th *58'3"* Do. Long Bridge to top of keel *28'8"* If surveyed while building, afloat, <sup>and</sup> in dry dock *yes*draught Moulded *28'8"*

## 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.
IES, Spacing amidships	33	✓	Bracket Floors, Frame	250 90 11	10 + 3 1/2 x .42
" from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	230 90 12.5	9 x 3 1/2 x .50
" in peaks	24	✓	" " Vertical Struts	230 90 12.5	9 x 3 1/2 x .50
FRAMING.			Centre Girder, depth and thickness amidships	44' .59	✓
me Amidships, Angle, E or F	340 100 14.75	13 1/2 x .4 + .56	" " top Angles	90 90 12	3 1/2 x 3 1/2 x .48
" Extends up to	2nd deck	✓	" " bottom Angles	130 130 13.5	5 x 5 x .54
Reversed Frame Amidships, Angle		✓	Side Girders, No. each side and thickness	one .38	✓
" Extends up to		✓	Margin Plate depth (excl. of flange) and thickness	41' .55	✓
th of Framing Girder	340	✓	" " Vertical Angle to Tank side	3.54 x 3.54 x .45	3 1/2 x 3 1/2 x .46
mes in Uppermost Continuous 'tween	230 90 11	12 1/4 x .100-121	Bracket abaft 1/2 len. from stem	90 90 11.5	double
Decks, Angle, E or F	250 90 16.75	10 + 3 1/2 x .60	Vertical Angle to Tank side	5.9 x 5.9 x .49	6 x 6 x .48
" Second 'tween Decks, Angle, E or F	250 90 11	10 + 3 1/2 x .41	Bracket from forward 1/2 len. from stem to Panting Area	150 150 12	✓
" Third " " "		✓	Gussets, spacing and scantling abaft 1/2 len. from stem	continuous .43	✓
from 1/2 len. for'd. to 15% len. from Stem	340 100 14.75	✓	Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	frwd horizontal tanktop	✓
in Peaks, Angle, E or F	230 90 12	9 x 3 1/2 x .48	Tank Side Brackets, height above base line at toe of Frame and thickness	84' .50	✓
meter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 1/4	✓	INNER BOTTOM PLATING.		
te if Frame Joggled	yes	✓	Breadth and thickness of Middle Line Strake	54' .56	✓
the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes	✓	Thickness of remainder in Holds	.45	✓
the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Tankers and Boiler Room?	yes	✓
LE BOTTOM.			BEAMS.		
ors, Depth and thickness at mid-line in Holds	✓	✓	Uppermost Continuous Deck, amidships	230 90 11	9 x 3 1/2 x .44
Height of Brackets at side above base line at toe of frame	✓	✓	" " in way of Bridge, Angle, E or F	250 90 12	10 + 3 1/2 x .46
iddle Line Keelson, on Floors, Angles, E or F	✓	✓	" " Spacing	33	✓
" " Through Plate or Intercoastal Plate	✓	✓	Second Deck, amidships, Angle, E or F	280 90 12	11 x 3 1/2 x .48
" " Foundation Plate on Floors	✓	✓	" " Spacing	340 100 16	12 + 3 1/2 x .68
" " Flat Plate Keel Angles	✓	✓	Third Deck, amidships, Angle, E or F	300 90 14.5	12 + 3 1/2 x .54
e Keelsons, No. each side	✓	✓	" " Spacing	33 & 22	✓
" thickness of Intercoastal Plate	✓	✓	Third deck	340 90 16	340 x 100 x 14.5
" Angles	✓	✓	Fourth Deck, amidships, Angle, E or F	340 90 16	340 x 100 x 14.5
DOUBLE BOTTOM.			" " Spacing	33	✓
Solid Floors, thickness and spacing	.43 + .99	✓	Poop Deck, Angle, E or F	33' sp. 230 90 11	9 + 3 1/2 x .38
" " Are Frame and Reversed Frame joggled?	not joggled	✓	" " Spacing	24' sp. 200 75 9.5	8 + 3 x .34
Bracket Floors, breadth and thickness at middle line	54' .43	✓	Bridge Deck, Angle, E or F		✓
" " breadth and thickness at margin plate	51' .43	✓	" " Spacing		✓
			Forecastle Deck, Angle, E or F	230 90 11	9 + 3 1/2 x .38
			" " Spacing	27	✓



## 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</b> , No. of Rows..... <i>one</i>			Stringer Plate, breadth and thickness in way of Bridge .....	✓	✓
"    in 'tween Decks, Size and Spacing..... <i>O 9" .44 to 12" .48 fwd</i>			Thickness of Plating abreast Deck openings) <i>in way of Wells</i> .....	<i>.42</i> ✓	✓
"    "    "    "    " <i>and JL 12 + 3 1/2 + 3 1/2 + .60</i>			Thickness of Plating abreast Deck openings) <i>in way of Bridge</i> .....	<i>.38</i> ✓	✓
"    "    "    "    " <i>on hatch ends</i>			Thickness of Plating within line of openings...	<i>.34</i> ✓	✓
"    in Holds			If Sheathed, material and thickness .....	✓	✓
"    "    "    "    "    "					
<b>Centre Line Bulkhead.</b>			<b>Third Deck. forward</b>		
Stiffeners and Spacing..... <i>5 280 x 90 + 12.5 x 5230 x 90 + 11.5</i>			Stringer Plate, breadth and thickness.....	<i>.34</i>	✓
Plating, thickness of .....	<i>.34</i> ✓		If Plated, state thickness.....	<i>.30</i>	✓
<b>STRINGERS AND DECKS.</b>			<b>Third</b>		
<b>Uppermost Continuous Deck.</b>			<b>Fourth Deck. aft</b>		
Stringer Plate, breadth and thickness in Wells <i>72" x .74</i>		✓	Stringer Plate, breadth and thickness.....	<i>.38</i> ✓	<i>.34</i> ✓
"    "    "    "    "    in way of Bridge	✓	✓	If Plated, state thickness .....	<i>.31</i> ✓	<i>.30</i> ✓
"    Angle in Wells .....	<i>150 150 18 75</i>	<i>6 x 6 x .44</i> ✓	<b>Poop Deck.</b>		
Thickness of Plating abreast Deck openings) <i>in way of Wells</i> .....	<i>.62</i> ✓	✓	Stringer Plate, breadth and thickness .....	<i>40 x .36</i> ✓	✓
Thickness of Plating abreast Deck openings) <i>in way of Bridge</i> .....	✓	✓	Plating, Sheathing, material and thickness ...	<i>.30 x .26</i> ✓	✓
Thickness of Plating within line of openings...	<i>.42</i> ✓	✓	<b>Bridge Deck.</b>		
If Sheathed, material and thickness .....	✓	✓	Stringer Plate, breadth and thickness.....	✓	✓
<b>Second Deck.</b>			Plating, Sheathing, material and thickness ...	✓	✓
Stringer Plate, breadth and thickness in Wells... <i>81" .42</i>		✓	<b>Forecastle Deck.</b>		
			Stringer Plate, breadth and thickness.....	<i>37 1/2 x .36</i> ✓	✓
			Plating, Sheathing, material and thickness ...	<i>.30</i> ✓	✓

## SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>no</i> ✓			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.								
FLAT PLATE KEEL ..... <i>in way of duct keel</i>	53 ✓	.88 ✓ <i>1.04 ✓</i>	.88 ✓	.84 ✓	.80 at ends <i>appr.</i> ✓	double ✓	1" ✓	4" ✓	4 ✓	1" ✓	4" ✓	✓
" DBLG. (if any)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
			<i>A.B.C. = .77-.78 kind.</i>									
BOTTOM PLATING, No. } of Strakes <i>A.B.C.R.</i> }	81	.71 ✓	.62 ✓	.56 ✓	.51 at ends <i>appr.</i> ✓	double ✓	7/8 ✓	9 rows ✓	4 ✓	7/8 ✓	3 1/2 ✓	✓
BILGE PLATING, No. of } Strakes ..... <i>E</i> ..... }	70	.71 ✓	.64 ✓	.66 ✓	<i>do.</i> ✓	" ✓	" ✓	" ✓	" ✓	" ✓	" ✓	✓
			<i>F = .54</i>									
SIDE PLATING, No. of } Strakes <i>F.G.H.I.</i> }	80	.69 ✓	.49 ✓	.49 ✓	✓	" ✓	" ✓	" ✓	" ✓	" ✓	" ✓	✓
UPPER DECK, Sheer- } strake in Wells. <i>L.</i> }	51	.82 ✓	.49 ✓	.49 ✓	✓	" ✓	1" ✓	8 rows ✓	" ✓	1" ✓	4" ✓	✓
UPPER DECK, Sheer- } strake in Bridge ... }	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer- } strake in Wells. <i>K.</i> }	56	.74 ✓	.49 ✓	.49 ✓	✓	double ✓	1" ✓	8 rows ✓	4 ✓	1" ✓	4" ✓	✓
STRAKE BELOW Sheer- } strake in Bridge ... }	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
POOP SIDE PLATING .....	✓	✓	✓	.40 ✓	✓	single ✓	3/4 ✓	3" ✓	2 ✓	3/4 ✓	2 5/8 ✓	✓
BRIDGE SIDE PLATING ...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FOREC'TLE SIDE PLATING	✓	✓	.42 ✓	✓	✓	single ✓	7/8 ✓	3 1/2 ✓	✓	✓	✓	✓
						single ✓	3/4 ✓	3" ✓	2 ✓	3/4 ✓	2 5/8 ✓	✓

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 8

Extending to Upper Deck (Sec. 3 c) 7

„ Deck next below 1 (AP Head)

As per Rule 7

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM { upper part	52 plate			
STEM { lower part	10 1/2 x 10 1/2 to 10 1/2 x 2 3/4 forging.			
		3 burmister + grain		
STERN	Propeller Post	cast	as approved	Strömmer's
FRAME	Rudder	cast		Værsted
Speed of Vessel		14 knots.		
RUDDER—Type		cast steel frame		
" A x D		485.17		Strömmer's
" Diam. of head		11 3/8"		Værsted
" Mainpiece at top pintle		12 1/2 x 8 1/2		
" " heel		2 5/8 x 8 1/2		
" how constructed		riveted and bolted + welding		
" double or single plate		double plate .42		
" 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 heart*

Has the Steel been tested as required by the Rules?



EQUIPMENT No 42526 ✓										LETTER 67 ✓		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.			
2471	1st Bower ...	69	3	9		✓		53	15	0	0	72½ ✓	Union Stockless	Dortmund	Dortmund 27.8.1929 Jul. Quast
2470	2nd „ ...	69	2	17		✓		53	12	2	0	72½ ✓	„	Haerder	
2472	3rd „ ...	69	2	6		✓		53	12	2	0	62 ✓	„	Hilthausen	
	Collective weight.	209	0	4		✓						207 ✓			
2473	Stream .....	19	3	26	5	3	6	20	15	0	0	20½ ✓	ordinary stock anchor	„	

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.	Supplied.	Per Rule.			Length. Diam.					Length. Cir.	Tons.	Length. Cir.					
	Fathoms. Ins.	Tons.	Cwts. qrs. lbs.	Cwts.			Fathoms. Ins.					Fathoms. Ins.							
✓ 4452	300 2 3/8	107 142 937.1.22.	844 1/2	300 2 3/8	stud	Koninklijke Nederlandsche Groefmederij N.V. Leiden	Leiden 10.8.29. A.C. Buijze	TOWLINE...	130 5	70.9	130 5	✓	✓	✓					
	Particulars for Re-test Certificate of swivel length.																		
69	9'6" 2 3/8	101 1/2	19.3.40 W.L.	69 100.10.00. LR.	✓														
Iron Steam Steel Wire	120 5	70.9		120 5	A/S. Norsk Staaltraafabrik.														

Steering Gear, Type (Power ☒ hand) Th. B. Thrice Electric. Alternative Means of Steering Hand and emergency electric.

Steering Chains (Size and Test) ✓ Windlass Th. B. Thrice Electric. Beats 2 Lifeboats 2540

Ceiling in Holds, thickness and material 2 1/2" Fir. Cargo Battens, thickness, material and spacing 6+2" 9" spaced.

Cargo Hatchways.—(Upper Deck) 33" + .44 and .50 steel coamings. Thickness of Hatches 2 1/2"

Size of Hatchways No. 1 (Fwd.) 31'6" + 20'0" No. 2 41'3" + 20'0" No. 3 33'4" + 20'0" No. 4 38'6" + 20'0" No. 5 35'9" + 20'0" No. 6 ✓

Number of Shifting Beams 6 8 2+3 7 7

Builder's Signature AKTIESELSKABET BURMEISTER & WAINMANN'SKIBSBYGGERI

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel ☒ (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 (where required to be inserted in the Notation).

The vessel has been built in accordance with the approved plans, Secretary's letters and as required by the Rules of this Society. The workmanship is good and to my satisfaction. All double bottom tanks, cofferdams, oil fuel bunkers, peak tanks and deep tanks for the carriage of oil fuel as cargo, decks, girthways, watertight bulkheads, watertight doors, catways and tunnel have been tested and found good and tight.

Oil fuel for the ships use is carried in the double bottom tanks and amidships deep tank (wing tanks) frame 61-64.

For the carriage of oil fuel as cargo the following compartments have been approved (F.P. above 150°F): Fore- and afterpeak tanks, deep tank aft frame N: 11-31, deep tank amidships frame N: 79-89 and deep tank forward

The amount of Entry Fee ..... 224.00 Fees applied for, (Special notations, where part of class, to be stated.)

Freight .. 403.20 3. 4. 19. 40

Special Survey Fee.... £ 8791.00 Received by me, I am of opinion the Vessel should be Classed 100 A1

Travelling Expenses, if any £ 46.00 19.

State whether the Vessel has been built under Special Survey yes. Signature Th. B. Thrice.

Certificate to be sent to Surveyor's office Date of issue TUE. 16. 11. 1929

Committee's Minute

Character assigned +100A1 Carry? cargo oil F.P. above 150°F in fore & after peak tanks & DTs.

Lloyds A & C.P.

ESD. +LMC 3.40 1/2 DD 90 lbs

W1114-0169 1/2

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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.)

frame No 135-156. No cofferdam is fitted between forward deep tank and the forepeak and between after deep tank and afterpeak. A letter of guarantee from the owners to the effect that oil fuel will not be carried in the fore- and afterpeak when vegetable oil is carried in the adjoining deep tanks is forwarded herewith. (as was done at previous similar vessels B+W Nos 631+637)

Refrigerating cargo holds have been fitted in No 3 hold and abaft motor room. Windlass and steering arrangements tested with satisfactory results, freeboard marked on ships sides, verified and cut in.

When testing the windlass a defective link was discovered in the short swivel length of cable attached to the starboard anchor. This link has now been renewed and the length of cable retested at Copenhagen and found satisfactory. Retest Certificate issued, particulars as per Report.

#### PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Cruiser steamer, carrying oil fuel (F.P. above 150°F) in peak tanks, deep tanks forward, amidship and aft. Repr. Mach. Lloyd's A+C.P. D.F. E.S.D. Onch keel?

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Head				Shank			
	1st Bower	N: 1438	45:1:17	cast 12 feet	Dortmund	N: 1441	24:1:20	cast 12 feet
	2nd "	1437	45:0:20	"	Jul. Quast	1442	24:1:25	"
	3rd "	1439	45:3:18	"	10.8.29.	1443	23:2:16	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35.02 ft., R.Q.D. ft., Bridge ft., Forecastle 80.33 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. Signal Letters L.H.L.L. Extreme Breadth over Belting (Circ. 1611) Over-all Length 465.5' (Circ. 1708)

No. and Material of Decks 2 steel decks. 3rd dk in Nos 2 & 4 holds

Parts of Bottom of Vessel coated with cement or approved composition cement in No 3 double bottom tank.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, 13-61	132.40	390	Fore peak tank,	24.46	134
Double bottom, under Engines and Boilers,			After peak tank,	20.40	140
Double bottom, if under Engines only, 61-79	49.46	228	Deep tank, aft, 11-31	55.16	1166
Double bottom, if under Boilers only,			Deep tank, forward, 135-156	47.43	1176
Double bottom, forward, 79-156	182.49	793	Other tanks, if fitted, Deep tank amidships 79-89	27.48	1146
Total length (if continuous) and Capacity	379.43	1411	(If necessary, furnish further information by sketch.)	8.31	254

Order for Special Survey No. 137

Date 4.10.1928.

Dates of Surveys held while building

March 39: 4. April: 19.28. May: 22.30. June: 2.9.12. 14.16.17. 19.22.24.29. July: 2.8.10. 21.22.23.28. Aug: 2.7.9. 12.16.26. 30.31. Sept: 2.4.7. 11.15.20. 22.23.25.27. Oct: 4.9.10. 12.17.19. 20.21.23. 24.26.27. 30.31. Nov: 2.4.6. 7.9.13. 16.18.21. 22.24.25.27.28. 29. Dec: 2.7.9. 11.12.13.14.15. 16.18.19. 20.21.22. 28.29. Jan: 40. 4.11.15.17. 19.23.24.25.26. Feb: 3.6.8. 12.16.20.23.27. March: 4.5.8. 13.15.16

Total No. of Visits 108