

Rpt. 1.

WRECK  
SECTION

No.

## STEEL STEAMER or MOTORSHIP

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Received at London Office 12 MAR 1931

SECTION

Date of completion of report

5<sup>th</sup> March 1931.

Port of

Copenhagen

No. 8454.

Survey held at

Elsinore

Date First Survey

24<sup>th</sup> September 1930.

Last Survey

26<sup>th</sup> February

1931.

On the

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

Single Screw Steamer "ALEXANDRA"

State Type

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

Full scantling with erections

State Type of Erections Long Poop + Forecastle

TONNAGE under  
Tonnage Deck...

1207.16

CLASS  $\nabla$  100 A.1.State if with freeboard  
as condition of Class

FEET.

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)

L 268.08

Launched December 20<sup>th</sup>, 1930 Yard No. 200.

Total

✓

Breadth (greatest moulded)

B 39.0

Builders  $\frac{A}{S}$  Helsingørsk Jernskibs & Maskinfabrik

Gross Tonnage

1462.61

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

D 19.5

Owners  $\frac{A}{S}$  Det Kongelige Dampskibsselskab

Register Tonnage

765.92

1st Longitudinal Number (L x D) = 5228

Managers

(Where necessary to be entered in R. 29-Bank.)

REGISTERED DIMENSIONS.  
FEET.

Length

266.6

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

9.0

Residence Copenhagen

Breadth

39.1

Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel

13.7

Port of Registry Esbjerg

Depth

17.1

Do. Long Bridge to top  
of keel

9.9

+ Surveyed while building, afloat, and in dry dock

Draught Moulded

17.2

Yes.

## 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>	24	✓	<b>Bracket Floors, Frame</b>		
" " from $\frac{3}{8}$ length to Collision bulkhead	24	✓	" " Reversed Frame		
" " in peaks	24	✓	" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	36 42	
<b>Frame Amidships, Angle</b> $\angle$ $\frac{1}{2}$ $\frac{1}{2}$	150 75 10.5		" " top Angles <u>Double</u>	3 3 4.0	
" " Extends up to <u>loop deck</u>			" " bottom Angles	3 3 4.4	
<b>Reversed Frame Amidships, Angle</b>			<b>Side Girders, No. each side and thickness</b>	1 - 32	
" " Extends up to...			<b>Margin Plate depth (excl. of flange) and thickness</b>	23 38	
<b>Depth of Framing Girder</b>			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	75 75 8	
<b>Frames in Uppermost Continuous 'tween Decks, Angle</b> $\angle$ $\frac{1}{2}$ $\frac{1}{2}$	150 75 10.5		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	120 120 10	
" " <b>Second 'tween Decks, Angle</b> $\angle$ or $\angle$			" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	GUSSET PLATES 18" x 15" x 3/8 ON EVERY 3RD IN FORE HOLD	
" " <b>Third " " "</b>			" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	48 32	
<b>Framing in Peaks, Angle</b> $\angle$	150 75 7.5		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	48 32	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships</b>	3/4" 5/8"		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	Yes		<b>Breadth and thickness of Middle Line Strake</b>	66 36	
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars)</b>			<b>Thickness of remainder in Holds</b>	34	
<b>(INTER. BOTTOM FRAMES FORD. OF 3/8"). STRENGTHENING OF BOTTOM FOR WARD. State Particulars</b>	150 75 8.5		<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bunkers and Boiler Room?</b>	Yes	
<b>BOTTOM PLATING AS APPROVED.</b>			<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			<b>Uppermost Continuous Deck, amidships</b>	150 75 8	
<b>Floors, Depth and thickness at mid-line in Holds</b>			" " in Wells, Angle $\angle$ $\frac{1}{2}$ $\frac{1}{2}$	220 80 9.5	
<b>Height of Brackets at side above base line at toe of frame</b>			" " in way of Bridge, Angle $\angle$ $\frac{1}{2}$ $\frac{1}{2}$	240 85 10.5	
<b>Middle Line Keelson, on Floors, Angles, <math>\angle</math> or <math>\angle</math></b>			<b>Spacing</b>	48	
" " Through Plate or Intercoastal Plate			<b>Second Deck, amidships, Angle</b> $\angle$ $\frac{1}{2}$ $\frac{1}{2}$	240 85 10.5	
" " Foundation Plate on Floors			<b>Spacing</b>	48	
" " Flat Plate Keel Angles			<b>Third Deck, amidships, Angle</b> $\angle$ or $\angle$		
<b>Side Keelsons, No. each side</b>			<b>Spacing</b>		
" " thickness of Intercoastal Plate			<b>Fourth Deck, amidships, Angle</b> $\angle$ or $\angle$		
" " Angles			<b>Spacing</b>		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle</b> $\angle$ $\frac{1}{2}$ $\frac{1}{2}$	150 75 8	
<b>Solid Floors, thickness and spacing</b>	32 - 24"		<b>Spacing</b>	24 and 48	
" " Are Frame and Reversed Frame joggled?	Frames only.		<b>Bridge Deck, Angle</b> $\angle$ or $\angle$		
<b>Bracket Floors, breadth and thickness at middle line</b>			<b>Spacing</b>		
" " breadth and thickness at margin plate			<b>Forecastle Deck, Angle</b> $\angle$ $\frac{1}{2}$ $\frac{1}{2}$	150 75 8	
			<b>Spacing</b>	140 75 8	
				24	

WRECK  
SECTION

881-0

Stacked 24"  
(see letter)

(see plans)

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Lloyd's Register  
Foundation

004116-004124-0137 1/2



## 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> ONE		/	Stringer Plate, breadth and thickness in way of Bridge .....	43 .34	/
" " " " POOP in between Decks, Size and Spacing.....	3 1/2 x 3/8 - 48"	/	Thickness of Plating abreast Deck openings in way of Wells .....	24 x 1/4 TIE PLATE	/
" " " " HOLLOW	4 1/4 x 7/16 - 48	/	Thickness of Plating abreast Deck openings in way of Bridge .....	TIE PLATES	/
" " " " HOLLOW	6 x 9/16 - 48	/	Thickness of Plating within line of openings..	AS APPROVED.	/
" " " " "		/	If Sheathed, material and thickness .....	2 3/4 KALMER PINE.	/
<b>Centre Line Bulkhead.</b>		/	<b>Third Deck.</b>		/
Stiffeners and Spacing.....	Z	/	Stringer Plate, breadth and thickness.....	Z	/
Plating, thickness of .....		/	If Plated, state thickness.....		/
<b>STRINGERS AND DECKS.</b>		/	<b>Fourth Deck.</b>		/
<b>Uppermost Continuous Deck.</b>		/	Stringer Plate, breadth and thickness.....	Z	/
Stringer Plate, breadth and thickness in Wells	.54 .46	/	If Plated, state thickness .....		/
" " " " in way of Bridge	78 .34	/	<b>Poop Deck.</b>		/
" " Angle in Wells .....	130 130 12	/	Stringer Plate, breadth and thickness .....	78 .36	/
Thickness of Plating abreast Deck openings in way of Wells .....	42	/	Plating, Sheathing, material and thickness ...	30 2 3/4 OREGON PINE	/
Thickness of Plating abreast Deck openings in way of Bridge .....	30	/	<b>Bridge Deck.</b>		/
Thickness of Plating within line of openings..	30 Bridge WELL	/	Stringer Plate, breadth and thickness.....	Z	/
If Sheathed, material and thickness .....	2 1/2 KALMER PINE.	/	Plating, Sheathing, material and thickness ...		/
<b>Second Deck.</b>		/	<b>Forecastle Deck.</b>		/
Stringer Plate, breadth and thickness in Wells..	43 .38	/	Stringer Plate, breadth and thickness.....	.30	/
		/	Plating, Sheathing, material and thickness ...	30 - 2 3/4 OREGON PINE	/

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No.</i>			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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	44	56	52	54		Double	3/4	3	Yribble	7/8	3/8	Strapped	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes .....3.....	69	45	45	41		Double	3/4	3	Yribble	3/4	2 5/8	Lapped	
BILGE PLATING, No. of Strakes .....1.....	63	45	72	39		"	"	"	Yribble	"	"	"	
SIDE PLATING, No. of Strakes .....3.....	63	45	72	39		"	"	"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells.....	46 1/2	52	88	39 (replan)		"	"	"	" (replan)	7/8	3 1/2	Strapped	
UPPER DECK, Sheer- strake in Bridge ...	46 1/2	45				"	"	"	"	3/4	2 7/8	Lapped.	
STRAKE BELOW Sheer- strake in Wells.....	50		56	39 (replan)		"	"	"	"	"	"	"	
STRAKE BELOW Sheer- strake in Bridge ...	50	45				"	"	"	"	"	"	"	
POOP SIDE PLATING .....	46 1/2	45-39				"	"	"	"	"	"	"	
BRIDGE SIDE PLATING ...		✓				✓	✓	✓	✓	✓	✓	✓	
FOREC'TLE SIDE PLATING				32		Double	3/4	3	Double	3/4	2 7/8	Lapped.	

## WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

WATER-TIGHT BULKHEADS.										
Total No. of W.T. BULKHEADS in Vessel—										
Extending to Upper Deck (Sec. 3 c)			6							
,, Deck next below			1							
As per Rule			4							
			STIFFENERS.							
			Plating Thickness.							
			VERTICAL.		HORIZONTAL.					
			Scantlings.		Spacing.		Scantlings.		Spacing.	
MIDSHIP BULKH'D, Upper tween decks										
,, Second ,,			28-26		140x65x75		30		✓	
,, Third ,,										
,, Holds .....			35-28		140x65x75		30		✓	
COLLISION ,, (in Hold) .....			44-30		180x75x95		24		1-24"x-34	
AFTER PEAK ,, .....			42-30		180x75x85		24		✓	
			125x75x105							

		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted
KEEL, Bar .....	✓	✓	✓	mesno	
STEM .....	Castig	7 1/2" x 2"	Withowitz Bergbau		
STERN FRAME {	Propeller Post .....	Castig	AS	& Eisenh. Gew.	
	Rudder ,, .....	"	APPROVED	Do.	
RUDDER—A x D .....	18 1/2 x 3				
Speed of Vessel .....	12 3/4 KNOTS				
RUDDER mainpiece at head ..	Castig	AS	Withowitz Bergbau		
,, ,, heel ..	"	APPROVED	& Eisenh. Gew.		
,, how constructed .....					
,, double or single plate ..	Double				
,, coupling, vertical or ..	Vertical				
,, horizontal .....					

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STEEL.

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

PLATES: - *Witkowitz Bergbau & Eisenh. Gewerkschaft.*

SECTIONS:-

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

Statni Zelenary a Ocelarny, Hahn (Albert) Bohumir



EQUIPMENT No 17471.												LETTER "A".		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.			
64146	1st Bower ...	35	2	12	Stockless			32	16	3	14	35½	Britannic	R. Sykes & Son Ltd	Yipton 26.9.30 W.A. Dyddal
64176	2nd „ ...	35	2	0	"			32	15	0	0	35½	"	" "	" 3.10.30 "
64145	3rd „ ...	30	1	18	"			28	18	0	14	30	"	" "	" 26.9.30 "
	Collective weight.	101	2	2								101			
64182	Stream .....	9	1	0	2	1	7	11	6	3	14		Iron stock	R. Sykes & Son Ltd	Tipton 4.10.30 "
64181	Kedge	4	0	2	1	0	22	6	7	2	0		" "	"	HAWERS AND WARPS.
CHAIN CABLES.															

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.
703	241-5'	1 3/4"	55 1/8	77 1/8	409.1.19	370 1/2	240	1 3/4"	Stud	Carl Schlieper	Grüne i Westph	TOWLINE...	90	3 1/2"	25.7	90	3 1/2"
									Link	of Grüne	30.8.30 Carl. West	HAWSERS & WARPS	90	7	MANILLA	2090	6
													60	4	"	2090	5
													20120	3			
													20120	2 1/2			
Stream	75	4			33.2		75	4									
Steel Wire																	

Steering Gear, Steam Vertical cylinders 8"x8" Schäffle & Co. Lubeck Steering Gear, Hand Ordinary hand gear.  
 Boats 2 lifeboats 24 feet. 2 dinghies 16 feet. Steering Chains, Size and Test None - direct drive from steering engine Windlass 2 horizontal of Schäffle & Co.  
 Ceiling in Holds, thickness and material 2 1/2" pine Cargo Battens, thickness, material and spacing 6"x2" pine spaced 9"  
 Cargo Hatchways.-(Upper Deck) Steel coamings .44 thick Thickness of Hatches for No. 2 hatch in well 3" thus 2 3/4"  
 Size of No. 1 Hatchway (Forward) 16'0"x12'0" No. 2 24'0"x13'0" No. 3 16'0"x13'0" No. 4 26'0"x13'6" No. 5 ✓ No. 6 ✓  
 Number of Shifting Beams and/or Fore and Afters No. 1 Hatch - 2 webs No. 2 hatch - 3 webs + 3 fore & afters. No. 3 hatch - 2 webs  
 No. 4 hatch - 4 webs. (see plan)

Builder's Signature *[Signature]* AKTIESELSKABET HELSINGBORS JERNSKIBS- OG MASKINBYGGERI

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel No. (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No. 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 Rules for the class contemplated.  
 All double bottom tanks, peak tanks, fresh water tanks, tunnel, bulkheads, and waterways have been tested as required by the Rules & found in order.  
 The vessel has been specially strengthened for navigation in ice, intermediate frames being fitted from frame 88 to stem and ice stringers fitted, all as per approved plan. The shell plating has been increased in thickness forward as approved.  
 The workmanship is good and the materials are to my satisfaction.

The amount of Entry Fee ..... kr. 91.00 : Fees applied for, 10.3.1931  
 FREEBOARD. kr. 109.20 :  
 Special Survey Fee.... kr. 2663.00 :  
 Travelling Expenses, if any kr. 236.95 :  
 I am of opinion the Vessel should be Classed +100 A.1.  
 strengthened for navigation in ice  
 State whether the Vessel has been built under Special Survey Yes.  
 Signature J. MacLeod  
 Surveyor to Lloyd's Register of Shipping.  
 Certificate to be sent to Surveyors Office, Copenhagen. Date of issue 8/4/31

Committee's Minute WED. 8 APR 1931  
 Character assigned +100A1  
 with fbd.  
 Lloyd's A.C.C.  
 + L.M.C. 2,31  
 O.G.  
 Note: Strengthened for Navigation in Ice  
 Lloyd's Register Foundation



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 and certificates are forwarded herewith.  
Plans:- Midship section (approved and as built)  
Profile and decks ( " " " " )  
Shell expansion  
Stem frame and rudder.  
Ice strengthening + strengthening of bottom forward.

Certificates:- No 2639. Stem and stem frame  
No 2720 Rudder frame and stock  
No 617 Quadrant &c.

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	21-1-19	K.H.	8504	27.8.30
	2nd "	21-2-13	K.H.	8550	27.8.30
	3rd "	18-1-2	K.H.	8462	15.8.30.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 176.6 ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 53.6 ft.

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

Loop connected to the Bridge.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 DKS (WEATHER DK. STL)

Official No. : Signal Letters N.I.G.B.

Is bottom of Vessel coated with cement ☒ 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,	50	59	Fore peak tank,	19	35
Double bottom, under Engines and Boilers,	44	89	After peak tank,	16	71.5
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	124	199	Other tanks, if fitted,		
	Total capacity of double bottom	347	(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. 40.

Date 25<sup>th</sup> July 1930.

Dates of Surveys held while building

1930:- 24/9; 3/10; 8/10; 11/10; 16/10; 8/11; 11/11; 14/11; 18/11; 21/11; 27/11; 29/11; 2/12;  
4/12; 9/12; 10/12; 17/12; 1931:- 2/1; 5/1; 7/1; 16/1; 19/1; 21/1; 26/1; 4/2;  
6/2; 20/2; 26/2.

Total No. of Visits 28.