

STEEL STEAMER or MOTORSHIP.

Received at London Office 15 MAY 1929

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

8th May 1929

Port of

Copenhagen

No.

7961.

Survey held at

Odense

Date First Survey

5th July 1928

Last Survey

24th April

1929

On the

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

Twin Screw Steel Motor Ship

"ABRAHAM LINCOLN"

State Type

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

Complete Superstructure

State Type of Erections

Poop & Side

TONNAGE under Tonnage Deck...

5213.97

CLASS * 100A1

State if with freeboard as condition of Class

Yes

Built at

Odense

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 435'-0"

Launched

30/1/29

Yard No.

32

Total

Breadth (greatest moulded)

B 56'-0"

Builders

Odense Staalskibsvaerk

Gross Tonnage

5783.53

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

D 39'-0"

Owners

J. Bonheus

Register Tonnage

3603.41

1st Longitudinal Number (L x D) = 16965

Managers

Fred. Olsen & Co.

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

REGISTERED DIMENSIONS.

FEET.

Length

435.9

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

17.67

Residence

Oslo

Breadth

56.2

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

11.15

Port of Registry

Oslo

Depth

27.5

Draught Moulded

26-3 1/2

If surveyed while building, afloat, or in dry dock

while building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. also m/m.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. also m/m.	Any Departure from Approved Plans to be Noted.
ES, Spacing amidships	32 1/2		Bracket Floors, Frame	200 90 11.5	
" from 1/3 length to Collision bulkhead	24		" " Reversed Frame	200 75 9.5	
" in peaks	24		" " Vertical Struts	200 75 9.5	
FRAMING.			Centre Girder, depth and thickness amidships	46 60	
Frame Amidships, Angle, E or C	300 90 13		" " top Angles	90 90 14	
" Extends up to	3 rd Deck		" " bottom Angles	130 130 16	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 48	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	43 56	
Depth of Framing Girder	300		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	130 130 15	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	230 90 11		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	130 130 15	
" Second 'tween Decks, Angle, E or C	230 90 11		" " Gussets, spacing and scantling abaft 1/2 len. from stem	continuous gusset plates 24" x 44	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	inverted plates 24" x 44	
Framing in Peaks, Angle or C	230 90 11.5		Tank Side Brackets, height above base line at toe of Frame and thickness	6-10 44	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1/8 5 1/2		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	55 54-48	
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	Strong beams 250 90 12.52 ✓ Side stringers 36" x 44 ✓ Web frames 36" x 52 ✓ Double frames 3 stringers (or 5) 68 Rule Thickness ✓ Solid floors, 1 extra side girder ✓ all side girders for 1/2 3/4 Rule ✓ double steel connections ✓		Thickness of remainder in Holds	46-48	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	190 85 11	
Height of Brackets at side above base line at toe of frame			" " in Walls, Angle, E or C	✓	
Middle Line Keelson, on Floors, Angles, C or E			" " in way of Bridge, Angle, C or E	✓	
" " " Through Plate or Intercoastal Plate			Spacing	every frame	
" " " Foundation Plate on Floors			Second Deck, amidships, Angle, E or C	200 75 10	
" " " Flat Plate Keel Angles			Spacing	every frame	
Side Keelsons, No. each side			Third Deck, amidships, Angle, E or C	200 75 10.5	
" " thickness of Intercoastal Plate			Spacing	every frame	
" " Angles			Fourth Deck, amidships, Angle, C or E	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	44 every 3 rd frame		Poop Deck, Angle, E or C	165 75 9	
" " Are Frame and Reversed Frame joggled?	Yes		Spacing	every frame	
Bracket Floors, breadth and thickness at middle line	35 44		Bridge Deck, Angle, C or E	✓	
" " breadth and thickness at margin plate	35 44		Spacing	✓	
			Forecastle Deck, Angle, E or C	180 90 11.5	
			Spacing	every frame	

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.....	2							
„ ^{upper} in 'tween Decks, Size and Spacing.....	6" dia	Match ends						
„ ^{lower} „ „ „ „	12" to 10" dia	"	see plans					
„ in Holds „ „	19" to 15 1/2" dia	"						
„ „ „ „ „								
Centre Line Bulkhead.								
Stiffeners and Spacing.....	every frame	200. 85. 112	100. 75. 9 1/2					
Plating, thickness of30		.26					
STRINGERS AND DECKS.								
Uppermost Continuous Deck.								
Stringer Plate, breadth and thickness in Wells	6 1/2	.76	.68 + .08 owners Requirement					
„ „ „ „ in way of Bridge	✓							
„ Angle in Wells	150	150	17					
Thickness of Plating abreast Deck openings in way of Wells58		.50 + .08. O.R.					
Thickness of Plating abreast Deck openings in way of Bridge	✓							
Thickness of Plating within line of openings...	.42							
If Sheathed, material and thickness	in accorn	2" pine						
Second Deck.								
Stringer Plate, breadth and thickness in Wells...	49		42					
Stringer Plate, breadth and thickness in way of Bridge								
Thickness of Plating abreast Deck openings in way of Bridge								
Thickness of Plating within line of openings...								
If Sheathed, material and thickness								
Third Deck.								
Stringer Plate, breadth and thickness.....	49		38					
If Plated, state thickness.....	.34							
Fourth Deck.								
Stringer Plate, breadth and thickness.....	✓							
If Plated, state thickness	✓							
Poop Deck.								
Stringer Plate, breadth and thickness	40		36					
Plating, Sheathing, material and thickness26	2 1/2" opine						
Bridge Deck.								
Stringer Plate, breadth and thickness.....	✓							
Plating, Sheathing, material and thickness ...	✓							
Forecastle Deck.								
Stringer Plate, breadth and thickness.....	40		36					
Plating, Sheathing, material and thickness36							

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 or. to or.		Diam.	Spacing or. to or.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	54"	.84	.77	.77		Double	1	3 ⁵ / ₈	4	1	3 ³ / ₄	Lapped	
" DBLG. (if any)	✓												
BOTTOM PLATING, No. { of Strakes	5	.72	.64	.52	.68 + .04 <i>for 40% L & Owners Requirement</i>	"	7/8	3 ⁵ / ₈	4	7/8	3 ¹ / ₂	"	
BILGE PLATING, No. of { Strakes	1	.72	.62	.52	.68 + .04 " "	"	7/8	3 ⁵ / ₈	4	7/8	3 ¹ / ₂	"	
SIDE PLATING, No. of { Strakes	6	.64	4 e .67 2 e .48	3 e .50 3 e .48	Strip plates .68	"	7/8	3 ⁵ / ₈	3	7/8	3 ¹ / ₈	"	
UPPER DECK, Sheer- { strake in Wells	51"	.83	.48	.48		"	1	3 ⁵ / ₈	4	1	4 ¹ / ₈	"	
UPPER DECK, Sheer- { strake in Bridge ...}	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer- { strake in Wells	51	.72	.48	.48	.70 + .02 OR. <i>for 40% L &</i>	Double	7/8	3 ⁵ / ₈	4	7/8	3 ¹ / ₄	Lapped	
STRAKE BELOW Sheer- { strake in Bridge ...}	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	✓	✓	✓	.40		Single	3/4	3	2	3/4	2 ⁵ / ₈	Lapped	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FOREC'TLE SIDE PLATING	✓	✓	.42	✓		Single	3/4	3	2	3/4	2 ⁵ / ₈	Lapped.	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

WATER-TIGHT BULKHEADS.										Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.	
Total No. of W.T. BULKHEADS in Vessel—														
Extending to Upper Deck (Sec. 3 c)..... 2														
" Deck next below..... 5														
As per Rule.....														
		Plating Thickness.		STIFFENERS.										
				VERTICAL.		HORIZONTAL.								
				Scantlings. Spacing.		Scantlings. Spacing.								
MIDSHIP BULKHD, Upper tween decks		.44		30"-45" inches at sides										
" " Second "		✓ 30-32		150-75-95 28 1/2		✓								
" " Third "		✓		✓		✓								
" " Holds		✓ 34-44		300-90-13 1/2 28 1/2		✓								
COLLISION " (in Hold)		49-33		230-90-13 1/2 24		(See plans)								
AFTER PEAK " "		48-30		190-90-13 1/2 24		✓								
										KEEL, Bar	✓		✓	
										STEM	F	10 1/4 x 2 1/4.	✓	
										STERN FRAME	Propeller Post		✓	
											Rudder "	F	10 1/2 x 3 1/2	✓
										RUDDER—A x D		600.4	ditto.	✓
										Speed of Vessel		13	✓	
										RUDDER mainpiece at head ...		1 1/2	✓	
										" " heel ...		8 1/2	✓	
										" how constructed	5 arms	Shrouds keyed on	✓	
										" double or single plate	Single		✓	
										" coupling, vertical or	Vertical		✓	
										" horizontal			✓	

STEEL.

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

Plates - Zelazokunt - Krolewska Kuta -
Angles - Winkowitzer Bergbau + Eisenhuten

Has the Steel been tested as required by the Rules?

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.)

Rpt. 4

Date of

No. in
Reg. Book.

9097

Built at

Engines

Donkey

Brake

Nom. H

Trade f

UL E

Maximum

Approved plans—

Midship Section
Profile and Decks
Painting Arrangement
Boss frames
Motor Seating
W.T. Bulkheads
Web frames over Bulkheads in upper Tween Decks
Propeller Brackets
Shell plating
Stern frame and Rudder
Pillar & Girders arrangement (3 plans)
Allocation to Hatch side beamings.

Certificates—1—Rudder

1—Propeller Brackets
1—Stern frame
1—Wheel shaft
1—Rudder Quadrant & Tiller
1—Auxiliary Tiller
1—Interim Certificate (copy).

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

1st Bower *Ad 50.3.20 : MB: 6021 : 14/12/28 ; Shank 20.3.7 : MB: 393 : 14/12/28*
2nd „ *45.3.7 : MB: 6022 : 14/12/28 ; 21.0.3 : MB : 394 : 14/12/28*
3rd „ *44.2.15 : MB: 6023 : 14/12/28 ; 17.1.2 : MB : 395 : 14/12/28*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *31.70* ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle *41.44*
(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 dks (Stl) 3rd dk (Stl) except in No 5 Hold.*

Official No.

; Signal Letters

LHQQ

Is bottom of Vessel coated with cement

No

if not g

particulars of composition *oil fuel - after peak - cement wash - fore peak oil fuel.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	<i>OIL</i> Tons.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	<i>OIL</i> Tons.	*Length. Feet.	Water Cap Tons.
Double bottom, aft, <i>WB or OIL FUEL</i>	<i>306.3</i>	<i>127.35</i>	<i>332.6</i>	Fore peak tank, <i>WB or OIL FUEL.</i>	<i>106.3</i>	<i>21.2</i>	<i>115.</i>
Double bottom, under Engines and Boilers, <i>WB or OF.</i>	<i>200.4</i>	<i>56.10 1/2</i>	<i>217.6</i>	After peak tank, <i>WB.</i>		<i>20.10 1/2</i>	<i>127.</i>
Double bottom, X under Engines <i>only, FW or LUB. OIL.</i>	<i>21.5</i>	<i>13.6 1/2</i>	<i>23.6</i>	Deep tank, aft, <i>BETWEEN TUNNELS OIL FUEL.</i>	<i>120.5</i>	<i>54.2</i>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers <i>only,</i>				Deep tank, forward, <i>BETWEEN TUNNELS & SHIP SIDE OF.</i>	<i>64.2</i>	<i>18.11 1/2</i>	<input checked="" type="checkbox"/>
Double bottom, forward, <i>WB or OF.</i>	<i>714.5</i>	<i>203.4 1/2</i>	<i>775.5</i>	Other tanks, if fitted,	<i>185.5</i>		<input checked="" type="checkbox"/>
Total capacity of double bottom <i>1349.3</i>				(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. *32*

Date

1/10/28

Dates of Surveys
held while building

1928 - July 5, Aug 4, Sept 20.26, Oct 2.10.18.24. Nov 1.7.9.13.19.28, DEC. 6.12.13.15.18.21.28.29
1929. JAN. 4.11.16.21.24.29.30. FEB. 6.9.15.19. MAR 6.19. APR 3.11.18.27

Total No. of Visits *39*