

STEEL STEAMER or MOTORSHIP.

Received at London Office 27 SEP 1930

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 *19-9-30*Port of *Antwerp*No. *14251*Survey held at *Hoboken*Date First Survey *November 19th 1929*Last Survey *September 17th 1930*On the *(State if Machinery fitted Aft and**Single Screw Steamer**"SONJA."**(Machinery Midships)*State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)**Full Scantling*State Type of Erections *Three Island*Danish TONNAGE under Tonnage Deck... *1851.6*CLASS *+100 A1*State if with freeboard as condition of Class *No*Built at *Hoboken*

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 295*Launched *July 15th 1930* Yard No. *114*

Total

Breadth (greatest moulded) *B 43.5*Builders *The Antwerp Engineering Co. Ltd.*Gross Tonnage *2060.70*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 20.38*Owners *Dampskibsselskabet Dania*Register Tonnage *1206.17*1st Longitudinal Number (L x D) *= 5997.35*Managers *Chr. Andresen**(Where necessary to be entered in Reg. Book.)*

REGISTERED DIMENSIONS.

FEET.

Length *294.8*Framing Depth "d," at middle of length. See Sec. 3 (1d) *17.42*Residence *Copenhagen*Breadth *43.66*Proportions—Depth to Length—Uppermost continuous deck to top of keel *14.50*Port of Registry *Esbjerg*Depth *17.98*Do. Long Bridge to top of keel *10.70*

If surveyed while building, afloat, or in dry dock

Draught Moulded *18.44*

FRAMES, DOUBLE BOTTOM AND BEAMS.

Millimetres	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	Millimetres	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships			Bracket Floors, Frame		
" " from $\frac{1}{2}$ length to Collision bulkhead	30 inches		" " Reversed Frame	Angle 127 x 90 x 11 $\frac{1}{2}$	
" " in peaks	27 "		" " Vertical Struts	Flanged Plate 120 x 9 $\frac{1}{2}$	
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or C	9 x 5 $\frac{1}{2}$ x 39		" " top Angle	Single 127 x 127 x 10	
" " Extends up to	Up to Bridge Deck Alternately		" " bottom Angle	Single 127 x 127 x 12	
Reversed Frame Amidships, Angle	4 Frames at each end of Bridge to Bridge Deck.		Side Girders, No. each side and thickness		
" " Extends up to			Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	9"		" " Vertical Angle to Tank side	635 x 11	
Alt. Frames in Uppermost Continuous 'tween Decks, Angle, E or C	4 x 5 x 30		" " Bracket abaft $\frac{1}{2}$ len. from stem	75 x 75 x 8 $\frac{1}{2}$	
" " Second 'tween Decks, Angle, E or C			" " Vertical Angle to Tank side	75 x 75 x 8 $\frac{1}{2}$ Increased in way of Deck Framing.	
" " Third " " "			" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	Every 4 th 150 x 90 x 10 4	
Framing in Peaks, Angle or C	6 x 5 x 36		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	Every 3 rd in way of No 2 Hold	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	9/16" 5"		Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	No		INNER BOTTOM PLATING.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars			Breadth and thickness of Middle Line Strake		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Thickness of remainder in Holds		
SINGLE BOTTOM.			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?		
Floors, Depth and thickness at mid-line in Holds	Deep Frames & Side Stringers as approved.		BEAMS.		
Height of Brackets at side above base line at toe of frame	Midship thickness of three strakes of bottom plating maintained to Coll. Bulk. Bottom frames 127 x 127 x 9 7/8 from 45' to Coll. Bulk. with close spaced riveting & add 1/2 inch height in way of Coll. Bulk.		Uppermost Continuous Deck, amidships in Wells, Angle, E or C		
Middle Line Keelson, on Floors, Angles, E or C			" " in way of Bridge, Angle, E or C	9 x 5 $\frac{1}{2}$ x 43 inches	
" " Through Plate or Intercoastal Plate			" " Spacing	9 x 5 $\frac{1}{2}$ x 36 inches	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or C		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Third Deck, amidships, Angle, E or C		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, E or C		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	9 $\frac{1}{2}$ " 90" Where allowed		Poop Deck, Angle, E or C		
" " Are Frame and Reversed Frame joggled?	Frame only		Spacing		
Bracket Floors, breadth and thickness at middle line	670 x 9 $\frac{1}{2}$ "		Bridge Deck, Angle, E or C		
" " breadth and thickness at margin plate	670 x 9 $\frac{1}{2}$ "		Spacing		
			Forecastle Deck, Angle, E or C		
			Spacing		

PILLARS AND DECKS.

Millimeters	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	Millimeters	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	one		Stringer Plate, breadth and thickness in way of Bridge		
" in 'tween Decks, Size and Spacing... <i>Fdk. 70 mm alt</i>			Thickness of Plating abreast Deck openings in way of Wells		
" " " " " <i>Poof 70 mm alt</i>			Thickness of Plating abreast Deck openings in way of Bridge		
C.L. Bulkhead in Bridge Tween OK			Thickness of Plating within line of openings...		
" " " " " <i>stiffeners</i>	127 x 75 x 8	alt frames	If Sheathed, material and thickness		
" " " " " <i>Plating</i>	6 1/2 mm		Third Deck.		
Centre Line Bulkhead. In Hold			Stringer Plate, breadth and thickness.....		
Stiffeners and Spacing.....	10 x 3 1/2 x 44 BA, alt frames	+ no appd.	If Plated, state thickness.....		
Plating, thickness of	7 1/2 mm		Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells	1-168 x 15 1/2 mm	Doublings at ends of Bridge no appd.	Poof Deck.		
" " " " in way of Bridge	1-168 x 11 1/2 x 8 1/2		Stringer Plate, breadth and thickness	710 x 8 mm	
" Angle in Wells	125 x 125 x 15	150 x 150 x 18	Plating, Sheathing, material and thickness	7 1/2 mm	
Thickness of Plating abreast Deck openings in way of Wells	11 to 13 1/2 mm	See notes 30-1-30 (or plans)	Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	11 1/2 x 7 1/2		Stringer Plate, breadth and thickness.....	1400 x 12	
Thickness of Plating within line of openings...	7 1/2 x 8 1/2		Plating, Sheathing, material and thickness	9 1/2 x 7 1/2 mm	
If Sheathed, material and thickness	✓		Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	710 x 8 mm	
Stringer Plate, breadth and thickness in Wells...	✓		Plating, Sheathing, material and thickness	7 mm 10 under bondless 2 1/2" p. pine.	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled? <i>NO</i>	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.	
FLAT PLATE KEEL	<i>1-14 1/2</i>	<i>15</i>	<i>14</i>	<i>14</i>		<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Treble</i>	<i>7/8</i>	<i>3</i>	<i>Lapped</i>	
" DBLG. (if any)		<i>✓</i>	<i>✓</i>								<i>✓</i>		
BOTTOM PLATING, No. of Strakes <i>ABCD</i>		<i>15 1/2</i>	<i>12</i>	<i>12</i>		<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Treble</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>	
BILGE PLATING, No. of Strakes <i>E</i>		<i>13 1/2</i>	<i>✓</i>	<i>✓</i>		<i>Do</i>	<i>"</i>	<i>"</i>	<i>Do</i>	<i>"</i>	<i>"</i>	<i>"</i>	
SIDE PLATING, No. of Strakes <i>2 F</i>		<i>13 1/2</i>	<i>19-18</i>	<i>12</i>		<i>Do</i>	<i>"</i>	<i>"</i>	<i>Do</i>	<i>"</i>	<i>"</i>	<i>"</i>	
UPPER DECK, Sheer-strake in Wells.....	<i>1-220</i>	<i>20</i>	<i>10</i>	<i>10</i>	<i>Doubled at Bridge Ends as approved</i>	<i>Do</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Quad.</i>	<i>1</i>	<i>4</i>	<i>Slipped</i>	
UPPER DECK, Sheer-strake in Bridge ...	<i>5</i>	<i>13 1/2</i>	<i>✓</i>	<i>✓</i>		<i>Do</i>	<i>3/4</i>	<i>3</i>	<i>Treble</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>	
STRAKE BELOW Sheer-strake in Wells.....	<i>1-585</i>	<i>16 1/2</i>	<i>19-18</i>	<i>10</i>		<i>Do</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Quad</i>	<i>7/8</i>	<i>3 1/2</i>	<i>"</i>	
STRAKE BELOW Sheer-strake in Bridge ...	<i>4</i>	<i>13 1/2</i>	<i>✓</i>	<i>✓</i>		<i>Do</i>	<i>3/4</i>	<i>3</i>	<i>Treble</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>	
POOP SIDE PLATING				<i>8 1/2</i>		<i>Single</i>	<i>5/8</i>	<i>2 1/2</i>	<i>Single</i>	<i>5/8</i>	<i>2 1/4</i>	<i>"</i>	
BRIDGE SIDE PLATING ...		<i>12 1/2</i>				<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Treble</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>	
FORE'C'TLE SIDE PLATING			<i>9</i>			<i>Single</i>	<i>5/8</i>	<i>2 1/2</i>	<i>Single</i>	<i>5/8</i>	<i>2 1/4</i>	<i>"</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c) 4. (Compensation for omitted Bulkhead as approved)					
Deck next below ✓					
As per Rule. 5					
		STIFFENERS.			
Plating Thickness.	VERTICAL.	HORIZONTAL.			
		Scantlings.	Spacing.		
MIDSHIP BULKH'D, Upper two decks	BA				
" " Second	BA				
" " Third	BA				
" " Holds	BA				
COLLISION " (in Hold)	BA				
AFTER PEAK " "	BA				
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)		Open hearth			
Frodingham, Pease & Partners, Council Iron Co, Dorman Long, S.A. Les Forgerons, Usines Gilson, Angleur Althuis					
Metallurgiques du Hainaut					
Has the Steel been tested as required by the Rules? 7/11					

EQUIPMENT No. 20268

LETTER S

ANCHORS.

Number of Certificate.	Anchor.	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.			
63739	1st Bower	37	0	7	33	15	0	0	33	15	0	Brilliant	R. Sykes & Smith	Tipton 24/30 W.A. Drysdale
63740	2nd "	36	3	21	33	13	1	21	33	13	1	Collective	D.	D. D. D.
63771	3rd "	36	1	3	33	5	2	14	33	5	2	D.	D.	D. 29/5/30 D.
	Collective weight.	110	1	3					110	cwts				
63691	Stream	10	0	6	2	2	4	12	0	0	0	Ordinary	D.	D. 14/5/30 D.

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.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. grs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
2059	240	1 11/16	59 1/2	82 1/2	422-2-0	397-3-0	240	1 11/16	Steel Link	W.V. Nibbeling & Ankerfabrick	Rotterdam 15/4/30	TOWLINE...	90	3 1/2	35.2	90	3 1/2
Iron Steam Chain or Steel Wire	75	Ojr. 3 1/2	35.2	-	-	-	75	Ojr. 3 1/2				HAWSERS & WARPS	2-90	2 3/4	21.1	2-90	2 3/4
												"	90	2 1/2	17.7	90	2 1/2
												"	90	2 1/2	17.7	90	2 1/2

Steering Gear, Steam

Doukin & Co.

Steering Gear, Hand

Doukin & Co.

Boats

2 Lifeboats. 1 Jolly

Steering Chains, Size and Test

1 5/16. 20 5/8 tons

Windlass

Clark Chapman & Co.

Ceiling in Holds, thickness and material

2 1/2" white pine

Cargo Battens, thickness, material and spacing

2" white pine 8 1/2"

Cargo Hatchways.-(Upper Deck)

Steel plate & Angles

Thickness of Hatches

2 1/2"

Size of No. 1 Hatchway (Forward)

25' x 18'

No. 2 30' x 18'

No. 3 30' x 18'

No. 4 25' x 18'

No. 5 ✓

No. 6 ✓

Number of Shifting Beams and/or Fore and Afters

4 to NO 144. 5 to NO 2 + 3.

THE NETHERLAND ENGINEERING COMPANY SOC. AN.

Shipbuilding Depart.

Builder's Signature

W. J. J. J.

GENERAL DECLARATION

This Vessel has been built in accordance with the

GENERAL MANAGER

approved plans. The Surveyor's letter is in general conformity with the Rules.

The material & workmanship are good.

The Decks, Double bottom tanks, Peaks, Bulkheads & Tunnel have been tested as required by the Rules with satisfactory results.

The amount of Entry Fee

Fees applied for,

Special Survey Fee

Received by me,

Travelling Expenses, if any & Tax

I am of opinion the Vessel should be Classed +100 A1

State whether the Vessel has been built under Special Survey

Signature

W. J. J. J.

Certificate to be sent to

Date of issue

3/10/30

Committee's Minute

FRI. 3 OCT 1930

Character assigned

+100 A1

+ L.M.C. 9.30

Lloyd's A & C.P.

C.L.

The Surveyors are requested not to write on or below the Committee's Minute.



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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.)

The British Tonnages are Gross 2082.32 tons Net 1200.33 tons
Forging reports are forwarded herewith
Plan of the vessel as built will be forwarded as soon as received.
The owner desires the Danish tonnage to be recorded in the Register Book.
Additional intermediate angle frames & two additional side stringers have been fitted from the stem to the fore end of No. 1 hatch port & starboard with increased thickness of shell plating in way as a strengthening against ice as an owner requirement.
The vessel is similar to the same builder S. S. "Gerda Toff." Yard No 113. Aut. Rpt No 17091.
except the ice strengthening as above.

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

1st Bower *wt. incl. pin 21-3-9 M.B. 7774 4-4-30*
2nd " " " " 21-3-0 K.H. 7819 29-4-30
3rd " " " " 21-2-27 K.H. 7820 29-4-30

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *26.6* ft., R.Q.D. ☒ ft., Bridge *165.0* ft., Forecastle *33.8* 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) *One deck steel*
Intermediate Bulkhead in forward hold dispensed with.

Official No. _____; Signal Letters _____ Is bottom of Vessel coated with cement *Yes* 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,	90	231.5	Fore peak tank,	18	58.1
Double bottom, under Engines and Boilers,	37.5	127.0	After peak tank,	19	101.0
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	115.25	316.0	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		674.5	(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. *91*

Date *15/10/29*

Dates of Surveys held while building

1929. Apr. 19, 26, Dec. 4, 11, 26, Jan. 18, 29, 13, 28, Feb. 7, 14, 20, 26, March 4, 18, 25, April 1, 8, 10, 15, 23, 29, May 6, 14, 23, June 4, 13, 19, 25, July 2, 9, 16, 14, 15, 25, Aug 4, 13, 21, 28, Sept. 1, 4, 11, 16, 17

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Total No. of Visits *41*