

State if Report is sent on the Machinery of the Vessel.....*yes*

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

State Type of Erections } *Freest*

CLASS **+** 100A.1.

State if with freeboard
as condition of Class

Built at Copenhagen

Length from fore part of stem to after part of stern } post on summer L.W.L. See Sec. 3 (1a) } L 370'-0

Launched 20-2-1928 Yard No. 552

Total

Breadth (*greatest moulded*) **B** 53'-0"

Builders ^{a/s} Burnmeister & Wain's

Gross Tonnage *about 5538.40*

Depth, at middle of length from top of keel to top

Owners *The Grace Steamship Co. Inc.*

Register Tonnage *about 3371.14*

1st Longitudinal Number (L \times D).....= 11655

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

REGISTERED DIMENSIONS.

Framing Depth "d," at middle of length. See } 19.63

Residence *New York*

Length

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

Port of Registry New York

Breadth

Do. Long Bridge to top } ✓

If surveyed while building, afloat, ~~or~~ in dry dock

Depth

Draught Moulded (21'-5 1/2")

MES

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
Spacing amidships		28"			
" from $\frac{3}{8}$ length to Collision bulkhead.....		27"			
" in peaks.....		24"			
AMING.					
Amidships, Angle, \angle or \square		250	90	13 $\frac{3}{4}$ "	
" Extends up to		Upperdeck			
" Frame Amidships, Angle					
" Extends up to...					
" Framing Girder.....					
" in Uppermost Continuous 'tween Decks, Angle, \angle or \square		150	90	9.5	
" Second 'tween Decks, Angle, \angle or \square					
" Third " " " "					
" g in Peaks, Angle \angle or \square		165	75	10.25	
" er and Spacing of Rivets through Frame and Shell Plating amidships		7/8		6"	
" Frame Joggled					
" ARRANGEMENTS (Sec. 7), state system and particulars		3 web frames 15 $\frac{1}{2}$ " x 32 1 side stringer 15 $\frac{1}{2}$ " x 32			
" 16 forward single Bottom frame		150	150	14	
" THENING OF BOTTOM FOR-		1 additional			
" D. State Particulars		Side girder $\frac{1}{2}$ H.			
BOTTOM.					
Depth and thickness at mid-line in Holds					
Height of Brackets at side above base line at toe of frame					
Line Keelson, on Floors, Angles, \angle or \square					
" " Through Plate or Intercoastal Plate... ..					
" " Foundation Plate on Floors					
" " Flat Plate Keel Angles					
" Keelsons, No. each side					
" thickness of Intercoastal Plate... ..					
" Angles					
BOTTOM.					
" Floors, thickness and spacing38 on every 3rd frame			
" Are Frame and Reversed Frame joggled?		Rev. frames only joggled in Hold 2			
" t Floors, breadth and thickness at middle line.....		3'-0		.38	
" breadth and thickness at margin plate.....		3'-0		.38	
		at tanktop.			
Bracket Floors, Frame		220	85	11.5	
" " Reversed Frame		220	75	11.5	
" " Vertical Struts		200	75	11.5	
Centre Girder, depth and thickness amidships		39 $\frac{3}{4}$.52	
" " top Angles		130	130	12.5	
" " bottom Angles		140	140	14	
Side Girders, No. each side and thickness		1		.38	
Margin Plate depth (excl. of flange) and thickness		56 $\frac{1}{2}$.50	
" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		90	90	10.5	
" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		90	90	10.5	
" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		25"		.38	
" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....		34"		.38	
" In way of Deck 2x: 21" x 38.					
Tank Side Brackets, height above base line at toe of Frame and thickness		6'-3		.42	
" In way of Deck 2x: 5'-9" x 40".					
INNER BOTTOM PLATING.					
Breadth and thickness of Middle Line Strake		54		.50	
Thickness of remainder in Holds41	
Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & S. space and framing in Bunkers and Boiler Room?					yes
BEAMS.					
Uppermost Continuous Deck, amidships		230	90	11 $\frac{1}{2}$ "	
" " in Wells, Angle, \angle or \square		200	75	9"	
" " in way of Bridge, Angle, \angle or \square					
" where: 1 Row pillars. " : 2 " " Spacing				28"	
Upper Second Deck, amidships, Angle, \angle or \square		280	90	12 $\frac{1}{2}$ "	
" where: 1 Row pillars. " : 2 " " Spacing.....		220	75	10.75"	
" where: 1 Row pillars. " : 2 " " Spacing.....				28"	
" where: 1 Row pillars. " : 2 " " Spacing.....					
Third Deck, amidships, Angle, \angle or \square		250	90	12	
" Spacing.....					
Fourth Deck, amidships, Angle, \angle or \square					
" Spacing.....					
Poop Deck, Angle, \angle or \square		165	75	10.25	
" Spacing.....					
Bridge Deck, Angle, \angle or \square		115	65	9	
" Spacing.....				28	
Forecastle Deck, Angle, \angle or \square		200	75	9.5	
" Spacing		165	75	11.5	
		27" x 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.....	2 forward		Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	7 1/2" x 4"		Thickness of Plating abreast Deck openings in way of Walls	.34	
" " Orlop deck (forward)	13 1/2" x 52	Re plan	Thickness of Plating abreast Deck openings in way of Bridge	.44	
" in Holds	13 1/2" x 52 16" x 60		Thickness of Plating within line of openings...	.32	
" " " " " "			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck (forward only)		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	42 1/2" x .34	
Plating, thickness of	✓		If Plated, state thickness.....	.30	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Walls	57 1/2" x 50		If Plated, state thickness	✓	
" " " " in way of Bridge			Poop Deck.		
" Angle in Walls	30" x 130" x 125		Stringer Plate, breadth and thickness	34 1/2" x .34	
Thickness of Plating abreast Deck openings in way of Walls	.42		Plating, Sheathing, material and thickness	3" Oregon pine	.30
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck. House-Deck		
Thickness of Plating within line of openings...	.36		Stringer Plate, breadth and thickness.....	60" x .30	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness	3" Oregon pine	.28
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Walls...	46 1/2" x .38		Stringer Plate, breadth and thickness.....	34" x .34	
			Plating, Sheathing, material and thickness	3" Oregon pine	.34

SHELL PLATING.

SCANTLINGS.						RIVETING.					
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches. Inches.		Inches.	Inches.	
FLAT PLATE KEEL	50 1/2	.75	.75	.75	✓	double	1 4	4	1	4	Lapped
" DBLG. (if any)	✓					✓					
BOTTOM PLATING, No. of Strakes	4-72	.53	.46	.46	✓	double	7/8 3 1/2	3	7/8	3/8	"
BILGE PLATING, No. of Strakes	1-58	.53	.46	.53	✓	"	" "	3	7/8	"	"
SIDE PLATING, No. of Strakes	4-67	.52	.44	.44	✓	"	" "	3	7/8	"	"
Upper Deck, Sheer-strake in Walls.....	52	.62	.44	.44	✓	"	" "	4	7/8	3 1/2	"
UPPER DECK, Sheer-strake in Bridge ...	✓										
STRAKE BELOW Sheer-strake in Walls.....	60	.60	.44	.44	✓	double	7/8 3 1/2	3	7/8	3/8	"
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING38		✓	single	5/8 3	2	3/4	2 5/8	"
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING			.40		✓	single	5/8 3	2	3/4	2 5/8	"

WATERTIGHT BULKHEADS.

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 BULKHEAD, Upper tween decks	5/16	130	75 x 85	30	
" " Second					
" " Third					
" " Holds		36-26	230 x 90 x 12	30	
COLLISION " (in Hold)		50-34	230 x 90 x 11	24	Semi box
AFTER PEAK "		50-30	250 x 90 x 125	24	Tunnel rivet

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	Forging	8 1/2" x 2 1/2"		
STERN FRAME	Propeller Post Rudder Lower Post	Forged Cast 10 x 2 3/4 15 x 9 x 1 1/2	Burns & Wain Cm St. James Verdeval. Odo	
RUDDER—A x D	408			
Speed of Vessel	13 knots			
RUDDER mainpiece at head	Forging	11" φ		
" heel	do	1 1/2" φ		
Balanced Rudder how constructed	Forged arms shrunk on mainpiece.	2 8 1/2" φ		
" double or single plate coupling, vertical or horizontal	1.10"			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)			
	Gutehoffnungshütte, Walzwerk Oberhausen	Verainigte Stahlwerke	Nieder Rheinische Hütte, Duisburg.	
	" " " " " " " "	Stahl & Walzwerk Thyssen, Mülheim Ruhr.		
	Has the Steel been tested as required by the Rules? yes.	Witkowitz Bergbau- & Eisenhütten Gesellschaft.		
		Law. Colville & Sons, Glasgow.		

EQUIPMENT No. 33720										LETTER y	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.				
Certificates 61306 61278 61303 61305	1st Bower ...	57	2	14	✓							} 170 cwt	} Hall's Type C.S.	} Sykes Crosby Heath.	
	2nd „ ...	57	0	21	✓										
	3rd „ ...	57	0	0	✓										
	Collective weight.	171	3	1											
		Stream	25	0	14	✓									

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.	Diam.					Length.	Cir.		Length.	Cir.
Certificate. 1750 1756	270	2 1/2							270	2 1/2	3/16 Steel	Nederlandsche Anker en Ketting Fabriek		TOWLINE... HAWSERS & WARPS	120	5"	83	120	4 3/4"
															90	8 1/4"		120	8 1/4"
															9	3 5/8"	18	120	2 3/4"
															90	7 1/4"		120	7 1/4"
															90	2 5/8"	7	120	2 5/8"
Iron Stream Chain or Steel Wire	90	4"	33	33					90	4 3/4"				"	4+90	6 1/4"			
	90	3 1/2"	28												1+60	6 1/4"			

Steering Gear, Steam *Electric-Hydraulic, John Hattis & Co.* Steering Gear, Hand *John Hattis & Co.*

Boats *5 - 26'-0" x 8'-0" x 3'-6"* Steering Chains, Size and Test *Telemotor* Windlass *Electrical, Clarke, Chapman & Co.*

Ceiling in Holds, thickness and material *2 1/2" pine* Cargo Battens, thickness, material and spacing *2" pine x 6" spaced 12"*

Cargo Hatchways. (Upper Deck) *32" high x 50" thick* Thickness of Hatches *3" pine on shelter deck, 2" on upper deck.*

Size of No. 1 Hatchway (Forward) *18'-0" x 8'-0"* No. 2 *25'-8" x 8'-0"* No. 3 *25'-8" x 8'-0"* No. 4 *23'-4" x 18'-0"* No. 5 *✓* No. 6

Number of Shifting Beams and/or Fore and Afters *No 1-3, Nos 2, 3, 4 - 4.*

Builder's Signature *Mohamud*

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 *✓* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

- The double bottom tanks Nos 1-2-3 are fitted for carriage of oil fuel or water.
- The deep tank amidships is fitted for the carriage of oil fuel.
- The vessel's hull has been built according to the plans approved by the Committee, the Secretaries General, the rules for the building of steel ships, and to my satisfaction.
- The materials used in the vessel are to my satisfaction.
- A temporary freeboard has been marked on the vessel's side, verified and found in order. The final freeboard is subject to the vessel being remeasured by the National Authorities at New York.
- All the tanks have been tested and found tight.
- The weather deck, bulkheads, tunnel, have been tested and found tight.

The amount of Entry Fee £ *163.80 Kr* Fees applied for, *30. 4. 1929*

Special Survey Fee £ *615.9.79 Kr* Received by me, *27. 5. 29*

Travelling Expenses, *182.00 Kr*

I am of opinion the Vessel should be Classed *100A1* with freeboard. *Lloyd's A & Co.*

Signature *Joe v. Rosen* Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey *yes*

Certificate to be sent to *Lloyd's office, Gm.* Date of issue *15/5/29*

Committee's Minute, *JUL 7 MAY 1929*

Character assigned *+ 100A1 With Freeboard*

Lloyd's A & Co *+ LHC 3.29* *Oil Engines* *C.*

Mike G. 1149 *250 100lbs* *100 50lbs* *(upper)*

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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.)

List of approved plans: (will be forwarded with the report on the sister vessel, *Burmaisier* & *ASA*

N^o 553

m/s. "Santa Rita"

1. Midship section,
2. Longitudinal section,
3. Sideways,
4. Deep tank,
5. Fresh Water Tank,
6. Engine Seat,
7. Deckhouse,
8. Boss frames,
9. Propeller Brackets,
10. Stern frame & Rudder
11. Coupling of Rudder stock.

Plans of vessel as built: (herewith):

1. Midship section,
2. Longitudinal section,

Certificate of Forgings:

1. Shaft Brackets, Oslo, 27/7. P. Rida.
2. Rudder Tiller, Wisma, 1/9 28. Hans Kolbow.
3. Rudder Mainpiece & 5 arms, Copenhagen 27/11 28. A. S. Fredch.
4. " keel in 2 lengths, " 4 29 "
5. Sternpost (Top part) "
6. " (Lower part), Oslo 5/9 28. P. Rida.

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

1st Bower

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 36.5 ft., R.Q.D. ft., Bridge ✓ ft., Forecastle 43.0 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) 1st Dk (Lte) & 5th Deck Dk (Lte).

Official No. ✓

; Signal Letters ✓

particulars of composition ✓

Is bottom of Vessel coated with cement yes, in 3 if not give
D.B. tanks Nos 2-3.3

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capac Tons.
Double bottom, aft,	93.33	229	Fore peak tank,		82
Double bottom, under Engines and Boilers,	53.67	160	After peak tank,		203
Double bottom, if under Engines only,	✓		Deep tank, aft, Port & Star, (in way of turn)		76
Double bottom, if under Boilers only,	✓		Deep tank, forward,		632
Double bottom, forward,	147.49	362	Other tanks, if fitted,		
Total capacity of double bottom	294.49	751	(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. 24.

Date 29/11/27.

Dates of Surveys held while building

4/7 1928 & 20/9 21/9 24/9 2/10 5/10 10/10 11/10 15/10 22/10 24/10 30/10
5/11 8/11 10/11 13/11 15/11 19/11 21/11 22/11 29/11 3/12 5/12
6/12 7/12 14/12 24/12 1928.
4/1 14/1 21/1 13/2 9/3 18/3 22/3 26/3 28/3 1928.

Total No. of Visits

36.