

## STEEL STEAMER or MOTORSHIP.

Received at London Office.

State if Report has been sent on the Freeboard of the Vessel *no*State if Report is sent on the Machinery of the Vessel *yes*Date of completion of report *27<sup>th</sup> Feb. 1953*Port of *New York.*No. *N.Y.K. 52229.*Survey held at *Quincy, Mass.*Date First Survey *22<sup>nd</sup> March 1952*Last Survey *25<sup>th</sup> Feb. 1953*

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

*Single screw steamer "CHRYSSI" machinery fitted aft*

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

*Full scantling*

State Type of Erections

*Poop, Bridge and Forecastle.*

TONNAGE under Tonnage Deck....

*16920.30*CLASS *+ 100 A1*

State if with freeboard as condition of Class

*no*Built at *Quincy, Mass.*

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 615.0*Launched *5<sup>th</sup> Dec. 1952* Yard No. *1630*

Breadth (greatest moulded)

*B 84.0*Builders *Bethlehem Steel Co.*

Total

*✓*

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

*D 44.0*Owners *Santander Compania Naviera S.A.*

Gross Tonnage

*18732.19*

Register Tonnage

*11652 =*

Managers

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

Residence

## REGISTERED DIMENSIONS.

FEET.

Length

*617.7*

Breadth

*84.4*

Depth

*44.3*

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

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

*14*

Do. Long Bridge to top of keel

Draught Moulded

*33' 1 1/4"*Port of Registry *Panama*

If surveyed while building, afloat, or in dry dock

*while building*

## 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.
FRAMES, Spacing amidships.....	<i>See Rpt 1*</i>	<i>✓</i>	Bracket Floors, Frame .....	-	
" " from 3/5 length amidships to Collision bulkhead.....	"		" " Reversed Frame .....	-	
" " in peaks .....	<i>24</i>	<i>✓</i>	" " Vertical Struts .....	-	
DE FRAMING.			Centre Girder, depth and thickness amidships	<i>60 63</i>	<i>✓</i>
Frame Amidships, Angle, [ or [ .....			" " top Angles .....	<i>E.W. to shell and 1.8.</i>	<i>✓</i>
" " Extends up to.....			" " bottom Angles .....		
Reversed Frame Amidships, Angle.....	<i>See Rpt 1*</i>	<i>✓</i>	Side Girders, No. each side and thickness.....	<i>4 50</i>	<i>✓</i>
" " Extends up to.....			Margin Plate depth (excl. of flange) and thickness .....	<i>none - Tank Top level and E.W. to shell</i>	<i>✓</i>
Depth of Framing Girder.....			" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem .....		
Frames in Uppermost Continuous 'tween Decks, Angle [ or [ .....			" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area .....		
" " Second 'tween Decks, Angle, [ or [ .....			" " Gussets, spacing and scantling abaft 1/4 len. from stem .....		
" " Third " " " " .....			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area.....		
" " from 1/2 len. for'd. to 15% len. from Stem .....	<i>9 4 21.3 FP.</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle or [ INV. ....	<i>8 4 17.2 AP.</i>	<i>✓</i>	<i>machinery space</i>		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	<i>E.W.</i>	<i>✓</i>	INNER BOTTOM PLATING.		
State if Frame Joggled .....	<i>no</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake.....	<i>65</i>	<i>✓</i>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	<i>As approved</i>	<i>✓</i>	Thickness of remainder in Holds .....		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? .....	<i>As approved</i>	<i>✓</i>	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? .....	<i>As approved</i>	<i>✓</i>
ANGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds .....			Uppermost Continuous Deck, amidships in Wells, Angle [ or [ .....	<i>See Rpt 1*</i>	<i>✓</i>
Height of Brackets at side above base line at toe of frame .....			" " in way of Bridge, Angle, [ or [ .....		
Middle Line Keelson, on Floors, Angles, [ or [ .....	<i>90 50</i>	<i>20" x 1" face plate</i>	Spacing .....		
" " Through Plate or Intercoastal Plate.....			Second Deck, amidships, Angle, [ or [ .....		
" " Foundation Plate on Floors .....			Spacing .....		
" " Flat Plate Keel Angles	<i>E.W.</i>	<i>✓</i>	Third Deck, amidships, Angle, [ or [ .....		
Side Keelsons, No. each side .....			Spacing .....		
" " thickness of Intercoastal Plate.....			Fourth Deck, amidships, Angle, [ or [ .....		
" " Angles .....			Spacing .....	<i>7 4 15.8</i>	<i>12.3 aft.</i>
DOUBLE BOTTOM.			Poop Deck, Angle, [ or [ INV. ....	<i>6 4</i>	
Solid Floors, thickness and spacing .....	<i>50</i>	<i>24 28 32</i>	Spacing <i>2'0" to 2'8"</i>		
" " Are Frame and Reversed Frame joggled? .....		<i>no. 13-17 17-23 23-50</i>	Bridge Deck, Angle, [ or [ .....	<i>See Rpt 1*</i>	<i>✓</i>
Bracket Floors, breadth and thickness at middle line .....			Spacing .....		
" " breadth and thickness at margin plate .....			Forecastle Deck, Angle, [ or [ INV. ....	<i>7 4 13.6</i>	
			Spacing <i>2'0" to 2'8"</i>		



## 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.	Number of Certificate.	AN
<b>PILLARS, No. of Rows.....</b>					Stringer Plate, breadth and thickness in way of Bridge .....	-				6311	1st B
" in 'tween Decks, Size and Spacing.....					Thickness of Plating abreast Deck openings in way of Wells .....	-				6312	2nd
" " " " "					Thickness of Plating abreast Deck openings in way of Bridge .....	-				6309	2nd
" in Holds " "					Thickness of Plating within line of openings..	-				1*	
" " " " "					If Sheathed, material and thickness.....	-					
<i>hough.</i> <b>Centre Line Bulkhead. 20' off C.L. (Prs)</b>					<b>Third Deck.</b>	-					
Stiffeners and Spacing.....					Stringer Plate, breadth and thickness.....	-					of L, L or
Plating, thickness of.....					If Plated, state thickness.....	-					n Bridge 'twec
<b>STRINGERS AND DECKS.</b>					<b>Fourth Deck.</b>	-					rom Uppermost
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness.....	-					
Stringer Plate, breadth and thickness in Wells	80	1-21			If plated, state thickness.....	-					
" " " " in way of Bridge		1-42			<b>Poop Deck.</b>						
" Angle in Wells .....	8	8	1-125		Stringer Plate, breadth and thickness.....	66	44				
Thickness of Plating abreast Deck openings in way of Wells .....		1-21			Plating, Sheathing, material and thickness.....		34			generally	
Thickness of Plating abreast Deck openings in way of Bridge .....					<b>Bridge Deck.</b>						
Thickness of Plating within line of openings..		1-21			Stringer Plate, breadth and thickness.....	93	50				
If Sheathed, material and thickness .....					Plating, Sheathing, material and thickness.....		38				
<b>Second Deck.</b>					<b>Forecastle Deck.</b>						
Stringer Plate, breadth and thickness in Wells		.50			Stringer Plate, breadth and thickness.....	42	47				
					Plating, Sheathing, material and thickness.....		31	36			

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?.....	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of RIVETS	RIVETS.		STRAPPER LAPPE
	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 .....	55	1.17	1.17	1.17		all seams E.W. except where shown otherwise							
" DBLG. (if any)	✓												
BOTTOM PLATING, No. of Strakes A-B-C-D-E		1.17	.92	.80	Increased C/D in way of sternframe	6 3/4 D.R.	1 1/8	4 1/4					
BILGE PLATING, No. of Strakes FG		1.17	.64	.80	E/F	6 3/4 D.R.	1 1/8	4 1/4	all butts E.W.				
SIDE PLATING, No. of Strakes H-J-K		.75	.64	.71 .67 .53	G/H	6" D.R.	1	3 3/4					
UPPER DECK, Sheer-strake in Wells M		1.25	.53	.53	L/M	6 3/4 D.R.	1 1/8	4 1/4					
UPPER DECK, Sheer-strake in Bridge		1.42											
STRAKE BELOW Sheer-strake in Wells L		1.04	.53	.53									
STRAKE BELOW Sheer-strake in Bridge		1.04											
POOP SIDE PLATING .....				.47		2 1/2 S.R.	3/4	3 3/8	E.W. seam FR 14/15 to aft.				
BRIDGE SIDE PLATING.....			.56		increased M/N at breaks.	3 3/4 S.R.	1 1/8	4 1/4					
FORE'C'TLE SIDE PLATING			.50			2 1/2 S.R.	3/4	3 3/8					

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		50-53-57-60-64-68-72-76-78B	
Extending to Upper Deck (Sec. 3 c)		14	
" Deck next below		In. 13 ✓ 1	
As per Rule			

Plating Thickness.	STIFFENERS.			
	VERTICAL.		HORIZONTAL.	
	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks				
" " Second "				
" " Third "				
" " Holds <i>Congos</i> <i>Thanks</i>	44/63	72" x 50	CL.	48" x 50" 10' MAX
COLLISION " (in Hold) .....	44/56	vert. corrugations		2" ok. at 24 & 34
AFTER PEAK " .....	44/58	10" x 4" from 5' 8" x 4" x 17.2	33	Plats at 20' 6" & 32' 6"

KEEL, Bar	
STEM	M.S. shaped plating
STERN FRAME	Propeller Post
	Rudder
Speed of Vessel	16.75 knots
RUDDER—Type	Balanced
" A x D	A 26' 80" ft. C of P. aft of CL. 19' 186"
" Diam. of head	15'
" Mainpiece at top pintle	2-12" dia. steel pintle
" " heel	
" how constructed	Built and E.W.
" double or single plate coupling, vertical or horizontal	Double 50' Horizontal

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Bethlehem Steel Co. open hearth process. American Bureau Class A B and C materials
Has the Steel been tested as required by the Rules?	Sample testing only. (See Mr. Ferguson's memo to N.Y.K. 31/1/15)



PARTICULARS OF LONGITUDINAL FRAMING. 16 APR 1953														
FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.					
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads Inches.	Rivets in Brackets to Bulkheads.		
		Ins.	Ins.	lbs.	Ins.	Ins.	lbs.		Diam. Ins.	Spang. Ins.		Number.	Diameter. Inches.	
of L, L or E INV.														
n Bridge 'tween Decks		7	4	15.8		FORD.		AFT 65.						
rom Uppermost Continuous No. 1		7	4	15.8	6	4	14.3	6 x 4 x 14.3						
" 2		7	4	15.8	6	4	14.3	6 x 4 x 14.3						
" 3		8	4	17.2	7	4	15.8	7 x 4 x 15.8						
" 4		8	4	17.2	7	4	15.8	7 x 4 x 15.8						
" 5		8	4	17.2	7	4	15.8	-						
" 6		10	3 1/2	19.75	8	4	17.2	8 x 4 x 17.2						
" 7		10	3 1/2	19.75	8	4	17.2	8 x 4 x 17.2			all E.W. connections			
" 8		10	3 1/2	19.75	8	4	19.6	10 x 3 1/2 x 19.75			note: 10 sections and over			
" 9		10	4	21.35	10	3 1/2	19.75	10 x 3 1/2 x 19.75			cut from 5.			
" 10		10	4	21.35	10	3 1/2	19.75	-						
" 11		12	3 1/2	24.5	10	4	21.35	10 x 3 1/2 x 19.75						
" 12		12	3 1/2	24.5	10	4	21.35	10 x 4 x 21.35						
" 13		12	3 1/2	26.5	10	4	21.35	12 x 3 1/2 x 24.5						
" 14		13	4	27.25	12	3 1/2	24.5	12 x 3 1/2 x 24.5						
" 15		13	4	27.25	12	3 1/2	26.5	13 x 4 x 27.25						
" 16		15	4	30.7	13	4	27.5	13 x 4 x 27.25						
" 17		17	4	33.7	15	4	30.7	15 x 4 x 30.7						
" 18-32		18	4	35.9										
} Amidships 18-32														
} and 30"														
} At Ends 30"														
} 32" in way of ledge														
} Tank Top Longitudinals														
} Bottom "														
} Amidships														
} of Longitudinals														
} At Ends														
Transverses.														
Depth and Thickness		24	38											
Face Angles		31.5												
Lugs to Shell*														
Depth and Thickness		37/46	50											
Face Angles		31.6												
Lugs to Shell*		E.W.												
Depth and Thickness		54/57	50											
Face Angles		31.6												
Lugs to Shell*		E.W.												
" " Back Bars														
Brackets		50	31.6											
of Transverse Frames		10' 0"												
* State if joggled or liners.														
INV. L Bridge Deck		5	3 1/2	12.0										
L Upper "		7	4	7 1/6										
Second "														
Third "														
Spacing.														
30"														
30'														
Plate.														
Face Angles.														
Any Departure from Approved Plans to be Noted.														
12' x 10' x 53" C											cut to L			
36" x 50											fl. 5"			
Transverse Beams.														







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 List of the Plans should be embodied.)

The following "as built" drawings enclosed

Capacity Plan CTD-1630-H3  
Midship Section QH-4514-11-2  
Longl. O.T.B. 53-90 QH-4514-125-3  
Stern frame H-4514-121-1  
Rudder H-4467-121-2  
Shell midships QH-4514-123-1  
" aft QH-4514-123-2  
" fore QH-4514-123-3  
After Bk. midships QH-4514-124-1  
" aft QH-4514-124-2  
" fore QH-4514-124-3  
Poop Bk. QH-4467-124-5  
Bridge Bk. QH-4467-124-6  
Fore Bk. QH-4514-124-7  
Aft Pk. Bhd. QH-  
Fore Pk. Bhd. QH-4467-125-10  
2<sup>nd</sup> Bk. fore QH-4514-124-4  
Trans. OTB No 50-51 etc QH-4467-125-6  
" " " 64-68-72-76-78 B QH-4514-125-1  
" " " 79 etc. QH-4467-125-8

Certificates enclosed:

Interior cert. of class

Rudder stock.

under ship Wamota

PARTICULARS OF ELECTRIC WELDING (if employed) Electric welding employed throughout (manual and semi melt) except both flanges of stringer angle, four shell seams (P+S) and one deck seam (P+S) which are riveted.

Radiographs taken by builders at random junctures of shell and deck plate welds and workmanship found satisfactory.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Longl. framing (transverse at ends) cruiser stern, electric welded except stringer angle and seams of deck and shell panels, radar, direction finder, gyro compass and echo sounder.

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

1st Bower	147-1-23	R.K.	16311	4.6.52
2nd "	147-1-8	R.K.	16310	4.6.52
3rd "	147-1-3	R.K.	16309	4.6.52

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 123.7 ft., R.Q.D. - ft., Bridge 38.6 ft., Forecastle 80.2 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 1654-N.Y(PANAMA) Signal Letters HPCO Extreme Breadth over Belting - Over-all Length 644.63 (Circ. 1611) (Circ. 1703)

No. and Material of Decks one continuous steel deck. 2<sup>nd</sup> deck forward.

Parts of Bottom of Vessel coated with cement or approved composition After peak, cement below stern tube.

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.)

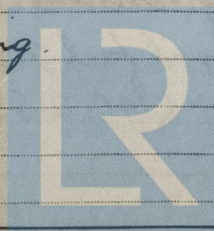
Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons. SW.		Feet.	Tons.
Double bottom, aft, fr. 17-27	24.67	40.9	Fore peak tank, fr. 110-FORD.	-	503.66
Double bottom, under Engines and Boilers, fr. 32-49	45.22	207.2	After peak tank, STERN - fr. 13	-	200.66
Double bottom, if under Engines only, fr. 27-32	13.30	32.7	Deep tank, aft, Cofferdam fr. 52-3	3.0	206.12
Double bottom, if under Boilers only,			Deep tank, forward, fr. 91-110	44.0	1245.03
Double bottom, forward,			Other tanks, if fitted, Cofferdam fr. 90-91	3.0	236.66
Total length (if continuous) and Capacity	83.19	280.8	(If necessary, furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys held while building

Continuous during building.



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Total No. of Visits

No S.S.O.F. available.