

STEEL ~~STEAMER~~ OF MOTORSHIP.

Received at London Office...

SEP 12 1937

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 *3rd September 1937*Port of *Gothenburg*No. *11428*Survey held at *Gothenburg*Date First Survey *1st Dec. 1936*Last Survey *28th August 1937*On the *Twin Screw Motorship COLOMBIA*State Type *Complete Superstructure with Tonnage opening aft*State Type of Erections *Forecastle*TONNAGE under Tonnage Deck... *4170.91*CLASS *100 A 1*State if with freeboard as condition of Class *Yes*Built at *Gothenburg*Do. of space or spaces between Tonnage Dk. and Upper Dk. *58/154 SWEDISH*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 418*Launched *31st May 1937* Yard No. *510*Breadth (greatest moulded) *B 55.75*Builders *A/B. Gustavsen*

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 37.50*Owners *Pederickhede & Nordstjernen*Gross Tonnage *5296.88 (5304.51)*1st Longitudinal Number (L x D) (D=36) *= 15048*Managers *A. A. Johansson*Register Tonnage *2904.90 (3704.36)*2nd Numeral L x (B + D) *= 38352*

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

Residence *Stockholm*

REGISTERED DIMENSIONS.

Length *128.25 metres*Breadth *17.05 " 55.94 ft*Depth *7.31 " 23.98 ft*Framing Depth "d," at middle of length. See Sec. 3 (1d) *14.92*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.15*Do. Long Bridge to top of keel *25.1*Draught Moulded *25.1*Port of Registry *Stockholm*

If surveyed while building, afloat, or in dry dock

Building afloat and on floating dock

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	710	✓	Bracket Floors, Frame	180 x 90 x 10	✓
" " from 3/4 length to Collision bulkhead	710	✓	" " Reversed Frame	180 x 75 x 10	✓
" " in peaks	610	✓	" " Vertical Struts	180 x 75 x 9 1/2	✓
DE FRAMING.			Centre Girder, depth and thickness amidships	1450 x 13 1/2	✓
Frame Amidships, Angle, [or]	230 x 90 x 11 1/2	✓	" " top Angles	90 x 90 x 13 1/2	✓
" " Extends up to	280 x 90 x 12.0	✓	" " bottom Angles	100 x 100 x 15	✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness	200 x 9 1/2	✓
" " Extends up to	✓	✓	Margin Plate depth (excl. of flange) and thickness	1300 x 13 1/2	✓
Depth of Framing Girder	✓	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	152 x 152 x 12.7	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	90 x 90 x 10	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	152 x 152 x 12.7	✓
" " Second 'tween Decks, Angle, [or]	✓	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	500 x 10	✓
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	665 x 10.5	✓
Framing in Peaks, Angle or [200 x 90 x 10	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1740 x 11	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 x 160	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	✓	Breadth and thickness of Middle Line Strake	1350 x 13	✓
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	Double framed and stringers as per approved plan	✓	Thickness of remainder in Holds	10.5	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double riveted plates increased shell and intercostal as per approved plan	✓	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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓	✓	Uppermost Continuous Deck, amidships in Wells, Angle, [or]	180 x 72 x 10.5/12.5	✓
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]	710	✓	Spacing	710	✓
" " Through Plate or Intercostal Plate	180 x 72 x 10.5/12.5	✓	Second Deck, amidships, Angle, [or]	710	✓
" " Foundation Plate on Floors	180 x 72 x 10.5/12.5	✓	Spacing	710	✓
" " Flat Plate Keel Angles	180 x 72 x 8.5/12.5	✓	Third Deck, amidships, Angle, [or]	✓	✓
Side Keelsons, No. each side	✓	✓	Spacing	✓	✓
" " thickness of Intercostal Plate	✓	✓	Fourth Deck, amidships, Angle, [or]	✓	✓
" " Angles	✓	✓	Spacing	✓	✓
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	✓	✓
Solid Floors, thickness and spacing	9 1/2 x 1420	✓	Spacing	✓	✓
" " Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle, [or]	✓	✓
Bracket Floors, breadth and thickness at middle line	825 x 9 1/2	✓	Spacing	✓	✓
" " breadth and thickness at margin plate	825 x 9 1/2	✓	Forecastle Deck, Angle, [or]	180 x 70 x 8.5/12.5	✓
			Spacing	710 x 610	✓

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.....		Five	✓	Stringer Plate, breadth and thickness in way of Bridge		✓	
„ in 'tween Decks, Size and Spacing.....	} <i>Widely spaced per plan.</i>			Thickness of Plating abreast Deck openings in way of Wells	9. 10.5 <i>at ER.</i>		✓
„ „ „ „ „				Thickness of Plating abreast Deck openings in way of Bridge		✓	
„ in Holds „ „				Thickness of Plating within line of openings...	8.5		✓
„ „ „ „ „				If Sheathed, material and thickness		✓	
Centre Line Bulkhead, Stiffeners and Spacing.....		<i>250 x 90 x 11. x</i>	✓	Third Deck.			
		<i>200 x 75. 9. 10. 14. 20</i>	✓	Stringer Plate, breadth and thickness.....	1880 - 9.5		✓
Plating, thickness of		7.5	✓		<i>11.5 at ER.</i>		✓
STRINGERS AND DECKS.				If Plated, state thickness.....	8.5, 10. <i>at ER</i>		✓
Uppermost Continuous Deck.				Fourth Deck.			
Stringer Plate, breadth and thickness in Wells.....		1830 x 14.5	✓	Stringer Plate, breadth and thickness.....		✓	
„ „ „ „ in way of Bridge			✓	If Plated, state thickness		✓	
„ Angle in Wells		150 x 150 x 15.	✓	Poop Deck.			
Thickness of Plating abreast Deck openings in way of Wells		11. 9.5 <i>where sheathed.</i>	✓	Stringer Plate, breadth and thickness		✓	
Thickness of Plating abreast Deck openings in way of Bridge			✓	Plating, Sheathing, material and thickness ..		✓	
Thickness of Plating within line of openings...		10. 8.5 <i>where sheathed.</i>	✓	Bridge Deck.			
If Sheathed, material and thickness		2 1/2" pine in accommodation	✓	Stringer Plate, breadth and thickness.....		✓	
Second Deck.				Plating, Sheathing, material and thickness ..		✓	
Stringer Plate, breadth and thickness in Wells.....		1890 - 9.5	✓	Forecastle Deck.			
		<i>11. at ER</i>	✓	Stringer Plate, breadth and thickness.....	8.5		✓
				Plating, Sheathing, material and thickness ..	7. and 8" pine		✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			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. mm	inches. mm	inches. mm	inches. mm									
FLAT PLATE KEEL	1320	22-19½	17½	17½	Appr. 19½ amidsh.	Double	22	89	Four	25	100	Lapped	
„ DBLG. (if any)													
BOTTOM PLATING, No. of of Strakes 3.....	22 12	18-15 14½	23.5 17	12½	Appr. 14½ amidship	„	„	„	Three	22	80	„	
BILGE PLATING, No. of Strakes 2.....	12 12	14½ 16-14½	23.5 17	12½	„ „ „	„	„	„	„	„	„	„	
SIDE PLATING, No. of Strakes 3.....		14½	22 23.5 12 13½	11½		„	„	„	„	„	„	„	
UPPER DECK, Sheer- strake in Wells.....	2070	19	11½	11½	Appr. 17 amidship				Four	„	90	„	
UPPER DECK, Sheer- strake in Bridge ...						„	„	„	„	„	„	„	
STRAKE BELOW Sheer- strake in Wells.....	2070	15½	11½	11½		„	„	„	„	„	„	„	
STRAKE BELOW Sheer- strake in Bridge ...													
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FORECASTLE SIDE PLATING			10½			Single	„	„	One	„	80	„	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	7.
Extending to Upper Deck (Sec. 3 c)	1. (Ballistic Bhd)
" Deck next below	6
As per Rule	7

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat plate	keel	
STEM <i>Rollled bar</i>	<i>Pricing</i>	255x65	Wittkowski Bergbau	
STERN FRAME {	Propeller Post	—	—	
	Rudder „	<i>Casting</i> <i>per plan.</i>	✓	✓
Speed of Vessel		15 1/2 knots		
RUDDER—Type <i>Casting, double plated,</i>			✓	✓
„ A x D <i>10 x 13.9 m^s</i>		1390	✓	
„ Diam. of head		320	✓	
„ Mainpiece at top pintle		<i>Casting as</i>		
„ „ heel ...		<i>per approved plan.</i>		
„ how constructed				
„ double or single plate		15.	✓	
„ coupling, vertical or		<i>Vertical</i>		
„ horizontal				

STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks		<i>mm.</i>	<i>mm</i>	<i>mm.</i>		
"	" Second "	8.0	150	75	9 L	800
"	" Third "					
"	" Holds (4 th 94)	11-8.5	250	90	13 L	800
COLLISION	" (in Hold)	12-8	230	90	12 1/2 L	610
AFTER PEAK	"	12-8	250	90	13 L	620

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open hearth process.
Avesta Jernverk A.B. Carnegie Illinois Steel Corporation Witkowitz Bergbau, Klinger Hüttenwerke
Kaiserhüttenwerke. Gussstahlfabrik, Dortmund Hoerder Hüttenwerke. Newark & Lloyd's Limited
 Has the Steel been tested as required by the Rules? Yes. Thyssenwerke. Deutsche Hüttenwerke. Bataillon, Ltd

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.)

This vessel is a sister vessel to the same builders yard: N° 485 *Ms Argentina*
Sub Rept. N° 10173 N° 486 *Ms Brasil* Sub Rept. N° 10251 N° 487 *Ms Nordstjernen*
Sub Rept. N° 10397 and N° 488 *Ms Uruguay* Sub Rept. 10470.

The following plans are now forwarded. a)

Midship Section
Longitudinal Section and Plans
Shell Expansion
Engine Sealings
W. T. Bulkheads
Stern frame and Rudder
Deep tanks and Tunnel
Panting Arrangements.
After Peak.
Shaft brackets

List of Reports are now forwarded

Stern frame
Rudder stock and rudder frame
Shaft brackets.
Tiller
Copy of interim certificate on hull.

As fitted plans now forwarded:—

Midship Section
Longitudinal Section and plans.

a) Please return these plans for dealing with the sister vessel yard N° 511

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book
in ice. ✓ D.F. E.S.D. Ref. Mch. OAL = 440.1' ✓

Strengthened for navigation

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	44:1:23 / N.S.	1562	26, 2, 37.
	2nd "	44:1:25 / N.S.	1564	26, 2, 37
	3rd "	44:1:27 / N.S.	1563	26, 2, 37
	Sub Anchor	19:0:4 / N.S.	1568	26, 2, 37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 80.0' ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks 2 Dks. (Stl.) & Shelter Dk (Stl.)

Official No. 8196 ; Signal Letters SKDT

Is bottom of vessel coated with cement *do*

if not give

particulars of composition Cement in peaks and in N° 1, 2 and 4 bilges, bitumastic in N° 3, 5 and E.R. bilges.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, OF or WB.	70	365	Fore peak tank, WB only		76
Double bottom, under Engines and Boilers,			After peak tank, WB "		52
Double bottom, if under Engines only, OF or WB	56	272	Deep tank, aft, <i>at wings</i> OF or WB	40	168
Double bottom, if under Boilers only, OF or WB	181	811	Deep tank, forward, <i>at centre</i> OF or WB	46	141
Double bottom, forward, <i>Sub. oil tank under engine 16' 3" = 1320 feet 3"</i>			Other tanks, if fitted, (If necessary, furnish further information by sketch.)		
Total capacity of double bottom		1448			

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 241

Date 5/11 1936

Dates of Surveys held while building

1936 Dec 1, 2, 4, 14, 22, 28, 1937 Jan 4, 11, 18, 22, 25, Feb. 1, 2, 11, 12, 13, 22, March 5, 9, 13, 18, 24, April 3, 12, 14, 26, 29, May 7, 14, 24, 25, 27, 29, 31, June 3, 10, 26, July 6, 7, 21, 23, 25, 27, 29, 30, 31, Aug. 4, 5, 9, 11, 14, 16, 18, 23, 26, 27, 28.

Total No. of Visits 57