

## STEEL SAILING SHIP.

No. 867.

17 SEP 1926

Port of Bremen Date of completion of Report 5th September 1926 Received at London Office  
Survey held at Wiermünde, 4 x Hamburg Date of First Survey 2nd January Last Survey 28th August 1926  
On the Steel Sailing Vessel "PADUA" Rig 4 masted Ketch

TONNAGE under Tonnage Deck 2713 CLASS 100A1 FEET + METERS Master C. SCHUBERG - 26  
Do. of Poop Breadth (greatest moulded) 46.0 14.02 Year of Appointment  
Do. of raised Or. Deck... Depth, at middle of length, from top of keel to top of 27.83 8.484 Built at Wiermünde, 4.  
Do. of Bridge House Transverse Number 73.83 22.504 When built 1926 Launched 24th June 1926  
Do. of Forecastle Length, on summer load line from fore part of stem to after part of 347.6 96.8 By whom built Joh. C. Tecklenburg & Co.  
Do. of Houses on Deck sternpost Longitudinal Number 23448 2178 Owners F. Loebe & Co. G. m. b. H.  
Do. of excess of Hatchways Gross Tonnage 3064 Depth "d" at middle of length. (See Secs. 2 & 13.) 17.25 5.285 Managers  
Less Crew Space Tonnage for Fees 3064 Proportions, Depths to length, Upper Deck beam at 11.4 Residence Hamburg  
Less Navigation spaces Register Tonnage 2678 as cut on Beam... Destined Voyage Chile If Surveyed while Building, Afloat, & in Dry Dock Yes  
Port belonging to Hamburg

LENGTH as per rule 347.6 BREADTH Moulded 46.0 DEPTH Top of Floors to Upper Deck Beams 17.25  
Dimensions of Ship per Register, Length 320.5 ft breadth 46.17 ft depth 25.46 ft Moulded depth, ft. 27 in. 10 Round up of Beam 11 1/2 ins.

FORGINGS AND CASTINGS.	Material in Ship.	Material per Rule Or as Approved.
KEEL, Bar, depth and thickness	<u>280 x 75</u>	<u>280 x 75</u>
STEM, moulding and thickness	<u>280 x 75</u>	<u>280 x 75</u>
STERN-POST, do. do.	<u>280 x 100</u>	<u>280 x 100</u>
RUDDER—A x D* Table 22	<u>8.27</u>	<u>8.27</u>
" Main Piece, diameter at head	<u>220</u>	<u>220</u>
" " " heel	<u>170 x 140</u>	<u>170 x 140</u>

RUDDER, how constructed Single plate 24.5 mm, cast steel frame  
Can the Rudder be unshipped afloat? Yes

FRAMING.	Material in Ship.	Material per Rule Or as Approved.
FRAME, <u>Angle, L in L</u> Bars, amidships	<u>230 90 11.5</u>	<u>230 90 11.5</u>
" " in peaks	<u>190 85 9.5</u>	<u>190 85 9.5</u>
Spacing of Frames from centre to centre, amidships	<u>635</u>	<u>635</u>
" " " in peaks	<u>610</u>	<u>610</u>
REVERSED FRAME, Angles, amidships	<u>90 90 9</u>	<u>90 90 9</u>
" " " in peaks	<u>170 85 9</u>	<u>170 85 9</u>
FRAMING, depth of girder	<u>160 75 9</u>	<u>160 75 9</u>

FLOORS, depth and thickness of Floor Plate	<u>980 12-10</u>	<u>980 12-10</u>
" " at mid line for 3 length amidships	<u>750 9</u>	<u>750 9</u>
" " " at ends of vessel	<u>750 9</u>	<u>750 9</u>
" " depth at 1/2 the half breadth, as per Rule	<u>800</u>	<u>800</u>
" " height extended at the Bilges	<u>1550</u>	<u>1550</u>

BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<u>270 90 13</u>	<u>270 90 13</u>
" " Angles on Upper Edge	<u>on second frame</u>	
" " Average space	<u>on second frame</u>	

BEAMS, Second or Lower Deck, Plate, Tee Bulb or Channel	<u>270 90 13</u>	<u>270 90 13</u>
" " Angles on Upper Edge	<u>on second frame</u>	
" " Average space	<u>on second frame</u>	

BEAMS, Third or Orlop Deck, Plate, Tee Bulb or Channel	<u>270 90 13</u>	<u>270 90 13</u>
" " Angles on Upper Edge	<u>on second frame</u>	
" " Average space	<u>on second frame</u>	

BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	<u>170 75 8.5</u>	<u>170 75 8.5</u>
" " Angles on Upper Edge	<u>on second frame</u>	
" " Average space	<u>on second frame</u>	

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	<u>140 75 9</u>	<u>140 75 9</u>
" " Angles on Upper Edge	<u>on wing frame</u>	
" " Average space	<u>on wing frame</u>	

BEAMS, Forecastle Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	<u>240 90 11.5</u>	<u>240 90 11.5</u>
" " Angles on Upper Edge	<u>on second frame</u>	
" " Average space	<u>on second frame</u>	

PILLARS, in 'tween Decks, Size and spacing	<u>32, 42, 74, 86, 110, 116, 122</u>	<u>32, 42, 74, 86, 110, 116, 122</u>
" " Hold	<u>915</u>	<u>915</u>
" " Quarter, 'tween Dks.	<u>13</u>	<u>13</u>
" " in Holds	<u>13</u>	<u>13</u>

WEB-FRAMES, Number and spacing	<u>32, 42, 74, 86, 110, 116, 122</u>	<u>32, 42, 74, 86, 110, 116, 122</u>
" " Breadth and thickness	<u>915</u>	<u>915</u>
" " No. of Side Stringers, breadth and thickness	<u>200 85 10.5</u>	<u>200 85 10.5</u>
" " Size of Face Angles to Web Frames	<u>200 85 10.5</u>	<u>200 85 10.5</u>

PARTIAL BULKHEADS, as per Sketch, page 147, No.	<u>200 85 10.5</u>	<u>200 85 10.5</u>
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	<u>200 85 10.5</u>	<u>200 85 10.5</u>

KEELSONS AND STRINGERS.	Material in Ship.	Material per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		
" Rider Plate		
" Flat Keel Plate Angles		
" Horizontal Plates above floors		
" Angles or Bulb Angles		
SIDE KEELSONS, Number		
" " Angles or Bulb Angles		
" " Plate above floors for lng.		
" " Intercoastal Plate for lng.		
" " Attached to outside Plating with Angle		
BILGE KEELSON, Angles or Bulb Angles		
" " Plate above floors for lng.		
" " Intercoastal Plates for lng.		
" " Attached to outside Plating with Angle		
SIDE STRINGERS, Number	<u>3 forward 3 aft</u>	<u>3 forward 3 aft</u>
" " Angle	<u>140 90 10.5</u>	<u>140 90 10.5</u>
" " Intercoastal Plates for full lng.	<u>140 75 10.5</u>	<u>140 75 10.5</u>
" " Attached to outside Plating with Angle	<u>130 130 10</u>	<u>130 130 10</u>
Upper Deck Stringer Plate, breadth and thickness	<u>1250 14</u>	<u>1250 14</u>
" " Angle on ditto	<u>120 x 120 x 12</u>	<u>120 x 120 x 12</u>
" " Tie Plates, fore and aft, outside Hatchways		
" " Diagonal Tie Plates, No. of Prs.		
" " Main Dk.* Iron or Steel for full len.	<u>9-8</u>	<u>9-8</u>
" " Wood Deck, Material and thickness	<u>Oregon Pine</u>	<u>3 1/2"</u>
Second or lower Deck Stringer Plate, breadth and thickness	<u>11</u>	<u>11</u>
Is the Stringer Plate attached to the Outside Plating?	<u>Yes</u>	
" " Angles on ditto, No.	<u>90 x 90 x 11</u>	<u>90 x 90 x 11</u>
" " Tie Plates, outside Hatchways	<u>11</u>	<u>11</u>
" " Diagonal Tie Plates, No. of Prs.		
" " Deck, Material and thickness	<u>Steel</u>	<u>11</u>
Third or Orlop Deck Stringer Plate		
Is the Stringer Plate attached to the Outside Plating?		
" " Angles on ditto, No.		
" " Tie Plates, outside Hatchways		
Poop Deck Stringer Plate, breadth & thickness	<u>740 8.5</u>	<u>740 8.5</u>
" " Angle on ditto	<u>75 x 75 x 8</u>	<u>75 x 75 x 8</u>
" " Tie Plates	<u>220 8.5</u>	<u>220 8.5</u>
" " Deck, Material and thickness	<u>Oregon Pine</u>	<u>3"</u>
Bridge Deck Stringer Plate, breadth & thickness	<u>1525 12.5</u>	<u>1525 12.5</u>
" " Angle on ditto	<u>90 x 90 x 12.5</u>	<u>90 x 90 x 12.5</u>
" " Tie Plates	<u>410 12.5</u>	<u>410 12.5</u>
" " Deck, Material and thickness	<u>Oregon Pine</u>	<u>3 1/2"</u>
Forecastle Deck Stringer Plate, brdth & thkns	<u>1000 12.5</u>	<u>1000 12.5</u>
" " Angle on ditto	<u>75 x 75 x 10</u>	<u>75 x 75 x 10</u>
" " Tie Plates	<u>12.5</u>	<u>12.5</u>
" " Deck, Material and thickness	<u>Oregon Pine</u>	<u>3"</u>

\* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

BULKHEADS.	Number.	Thickness.	STIFFENERS.	Single or Double Frames.	Height up.
In Vessel.	Per Rule.	Horizontal.	Vertical.	Spacing	
W. T. BULKHEADS	<u>FRAME No. 8 12-8</u>	<u>135 12.5-6.5</u>	<u>135 12.5-6.5</u>	<u>600</u>	<u>single Upper dk</u>
COLLISION	<u>11</u>	<u>135 12.5-6.5</u>	<u>135 12.5-6.5</u>	<u>610</u>	<u>" "</u>
PARTITION	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>" "</u>

Are the outside Plates doubled two spaces of Frames in length? Yes



PLATING.												RIVETING.													
AS IN SHIP.						PER RULE OR AS APPROVED.						EDGES.						BUTTS.							
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.				Single or Double.		Ordinary or Lap.		Rivets.		Double or Treble and for what Length.		Rivets.		STRAPS.		IF LAPPED.	
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.					Diam.	Spacing cr. to cr.			Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.		
KEEL (Riveting)	1200	14.5	12.5	12.5	1200	14.5	double	135	22.5	90	Treble	22.5	80	425	18										
GARBOARD OR A Strake	1560	13.5	11.5	11	1560	13.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
B "	1300	13.5	11.5	11	1300	13.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
C "	1560	13.5	12	11	1560	13.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
D "	1560	13.5	11	11	1560	13.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
E "	1500	13.5	11	11	1500	13.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
F "	1550	13.5	11.5	11.5	1550	13.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
G "	1500	13.5	11	11	1500	13.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
H "	1500	13.5	11	11	1500	13.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
J "	1800	14.5	11	11	1800	14.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
K Upper deck stringer	1250	17.5	11	11	1250	17.5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
L " " "																									
M " "																									
N " "																									
POOP OR R. Q. DK. SIDES		12.5	15.5	15.5		12.5	"	115	19.5	78	double	19.5	68	345	11.5										
SHORT BRIDGE SIDES			9.5			9.5	"	115	19.5	78	double	19.5	68	345	12										
FORECASTLE SIDES																									

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c.? *Plates - Klockner Werke A.G.*  
*Keels - Linde & Sohn, Hattungen - Ruhr.*  
*Profiles - Justhoffnungsmühle, Oberhausen. Aug. Thymann.*  
*Welds - Hamburg. Friedr. Krupp Eisen.*

Has the Steel been tested as required by the Rules? *Yes*

Upper Deck Stringer Butts, treble riveted for *1/2* length amidship.  
Plate Straps, single, double or overlapped for *full* length amidship.  
Butts of Side Stringers riveted.  
Butts of Tie Plates riveted.  
Centre Girder Butts, *treble* riveted. Keelsons Butts, riveted.  
Frames, riveted through Plates with *19.5 mm* in. Rivets, about *120 mm* apart.  
Rivets, state whether of Iron or Steel *Steel, mild quality.*

FRAMES extend in one length from *Center Girder* to *margin plate and to upper, bridge, poop & forecastle decks*  
REVERSED FRAMES on floors and frames extend from *middle line to margin plate* and to *alternately.*

MASTS AND SPARS.												RIGGING.						
MASTS, &c.		MATERIAL.		Total Length.	DIAMETER AND THICKNESS AT—				No. of Plates in Round.	ANGLES.		RIVETING.		SHROUDS.		STAYS.		
					Partners.	Heel.	Hounds.	Head.	No.	Num-ber.	Size.	Seams.	Butts.	MATERIAL.	No.	Size.	No.	Size.



Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

M. 1925. 21/9, 17/10, 31/10, 12/11, 19/11, 16/12, 22/12. 1926. 6/1, 8/1, 18/1, 30/1, 22/2, 24/2, 25/2, 4/3, 5/3, 9/4, 9/5.

Workmanship. Are the butts of plating planed or otherwise fitted? *planed*

Is the riveted work properly closed? *yes*

Are the liners between the frames and plates solid single pieces? *yes*

to plate, &c., conform well to each other? *yes*

from the faying surfaces? *yes*

Do any rivets break into or through the seams or butts of the plating? *no*

Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped? *yes*

Have all upper and weather decks been tested as required by Rules (Sec. 26, par. 20)? *yes*

Have all gutterways been tested as required by Rules (Sec. 26, par. 20)? *yes*

State results of test

State results of test

General Remarks (State quality of workmanship, &c.)

*This steel sailing vessel has been built in accordance with the approved amended plans, the Secretary's letters and in all other respects in conformity with the Rules requirements.*

*The material and workmanship are good all parts conforming with each other and carefully riveted together.*

*The double bottom tanks and the after peak tank, the weather deck and bulkhead have been tested as required by the Rules and found tight.*

*The vessel has been fitted out with wireless telegraphy system "Telefunken".*

*Copies of the approved plans have been retained in the London Office.*

*4 certificates of test, viz. rudder frame, rudder tiller, stem and stern frame are attached.*

Particulars of water ballast:—

*Double bottom length 70.5 meters, water capacity 437 tons.*

*After Peak Tank " 5.1 " " " 16 "*

Similar Ships:— "*Pamir*," "*Parrat*," "*Peking*."

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *53.0* ft., R.Q.D. *✓* ft., Bridge *64.6* ft., Forecastle *30.85* ft.

(in feet and tenths). No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *2 decks steel upper deck wood sheathed*

Official No.

; Signal Letters

*R.F.V.Q.*

How are the surfaces preserved from oxidation? Inside

Outside

*Asphalt in bottom otherwise paint*

Outside

*patent oil paints*

Order for Special Survey No.

Date

Order for Ordinary Survey No.

Date

No. in builder's yard.

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 3rd. When the decks were in and fastened, and before the decks were laid
- 4th. When the ship was complete, and before the plating was finally coated or cemented
- 5th. After the ship was launched and equipped

*1926. Jan. 2, 9, 20, Feb. 20, March 7, 16, 21*

*April 7, 12, 17, 26, May 3, 11.*

*May 17, 18, 21, 31.*

*June 3, 16, 24*

*July 2, 9, 13, 26, Aug. 5, 12, 16, 20, 26, 28* Total No. of Visits *30.*

The amount of Entry Fee

£

*7 : 0 : 0*

Fees applied for,

*3. 9. 1926*

*Krumm Special Survey Fee*

£

*208 : 4 : 0*

Received by me,

*21. 9. 1926*

*Krumm*

£

*20 : 0 : 0*

*Krumm*

£

*13 : 0 : 0*

*Krumm*

£

*13 : 0 : 0*

Is it of opinion this Vessel should be Classed

*+ 100 A.1*

With, or without Freeboard, as condition of Class

*without Freeboard*

Certificate to be sent to

*Krumm Office.*

*J. Chisholm. J.H.C. Kram.*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

TUES. 28 SEP 1926

*-1-100 A.1*

*Lloyds atcp.*

*Write Ham - B. J.*

*PM*



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