

Spar, or Awning Dk.

IRON OR STEEL STEAMER.

No. 1204.

MUN. 5 NOV 1906

Port of *Bremerhaven* Date of completion of Report *3rd Novemb 1906* Received at London Office

Survey held at *Geestemünde* Date, First Survey *30th January 1906* Last Survey *3rd November 1906*

On the *steel Spar deck S.S. Protenfels* Rig *two pole masts*

TONNAGE under *5378.94*

Tonnage Deck...
Do. between Tonnage Dk. and 3rd, 4th, Spar or Awning Dk.

Total under Upper Dk. *5378.94*

Do. of Poop *10.69*

Do. of Bridge House *58.98*

Do. of Forecastle *87.93*

Do. of Houses on Deck *-*

Do. of excess of Hatchways *47.58*

Do. above Crown of Engine Room *-*

Gross Tonnage *5584.12*

Less Crew Space *-*

Less above Crown of Engine Room *612.21*

TONNAGE FOR FEES... *6196.33*

Less Engine Room *1991.89*

Less Navigation Spaces *612.21*

Register Tonnage *3592.23*

as cut on Beam....

SPAR, *AWNING OR EXTRA AWNING-DECKED VESSEL,*

or a Vessel having a continuous Shado Deck.

CLASS **100 A1 Spardeck*

FEET.

Half Breadth (moulded) *27.50*

Depth from upper part of keel to top of Main Deck Beams *24.40*

Girth of Half Midship Frame (as per Rule) *47.24*

1st Number *99.14*

Length *420*

2nd Number *41640*

Proportions—Breadths to Length *7.63*

Depths to Length—Main Deck to top of Keel *17.38*

Destined Voyage *East India*

Master *von Freden.*

Year of Appointment

Built at *Geestemünde*

When built *1906* Launched *18th Sept. 1906*

By whom built *J.C. Tecklenborg A.G.*

Owners *Deutsche Dampfschiffahrt Ges. Hansa*

Managers

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

Residence *Bremen*

Port belonging to *Bremen*

If Surveyed while Building, Afloat, or in Dry Dock *Building*

LENGTH on Deck *420* Feet. Inches. BREADTH—Moulded *55* Feet. Inches. DEPTH, top of Floors to Spar or Awning Dk. Beams *28* Feet. Inches. Power of Engines *504* Horse. No. of Decks with flat laid *2* No. of Tiers of Beams *2 & webs*

Dimensions of Ship per Register, Length *421* breadth *55.1* depth *28.38* Spar or Awning Dk. Moulded depth, ft. *23* ins. — To Main Dk. Round up of Beam, Main Dk. *1'2"* ins.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.		Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
FRAME, Angles, or <i>4</i> Bars, for $\frac{1}{2}$ length amidships <i>Bulbhead from outside</i>	<i>7</i>	<i>3 1/2</i>	<i>13</i>	<i>7</i>	<i>3 1/2</i>	KEEL, Bar or <i>Steel Plates</i> , depth and thickness	<i>10 X 2</i>	<i>10 X 2</i>	<i>10 X 2</i>	<i>10 X 2</i>	<i>10 X 2</i>
Do. for $\frac{1}{2}$ at each end <i>Bulbhead from outside</i>	<i>4</i>	<i>4</i>	<i>10</i>	<i>4</i>	<i>10</i>	STEM, moulding and thickness	<i>11 X 3 1/2 X 16 X 2 1/2</i>	<i>11 X 3 1/2 X 16 X 2 1/2</i>	<i>11 X 3 1/2 X 16 X 2 1/2</i>	<i>11 X 3 1/2 X 16 X 2 1/2</i>	<i>11 X 3 1/2 X 16 X 2 1/2</i>
Do. in way of Double Bottoms at Solid Floors <i>Double from 1st to 2nd floor, to bottom of keel at intermediate bunks.</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>9</i>	<i>3 1/2</i>	<i>9</i>	STERN-POST for Rudder do. do.	<i>12 X 8 X 8</i>	<i>12 X 8 X 8</i>	<i>12 X 8 X 8</i>	<i>12 X 8 X 8</i>	<i>12 X 8 X 8</i>
Distance of Frames from moulding edge to moulding edge, all fore and aft	<i>-</i>	<i>25</i>	<i>-</i>	<i>-</i>	<i>25</i>	" " for Propeller	<i>12 X 8 X 8</i>	<i>12 X 8 X 8</i>	<i>12 X 8 X 8</i>	<i>12 X 8 X 8</i>	<i>12 X 8 X 8</i>
REVERSED FRAME, Angles	<i>3 1/2</i>	<i>3 1/2</i>	<i>9</i>	<i>3 1/2</i>	<i>9</i>	MAIN PIECE of Rudder, diameter at head	<i>10 1/2</i>	<i>10 1/2</i>	<i>10 1/2</i>	<i>10 1/2</i>	<i>10 1/2</i>
DEEP FRAMING, depth of girder	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	do. at heel	<i>5 1/4</i>	<i>5 1/4</i>	<i>5 1/4</i>	<i>5 1/4</i>	<i>5 1/4</i>
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>45</i>	<i>-</i>	<i>8</i>	<i>45</i>	<i>8</i>	RUDDER, how constructed <i>single plate malleable steel frame as approved</i>					
" in way of <i>Engines and Boilers</i>	<i>-</i>	<i>-</i>	<i>11</i>	<i>-</i>	<i>11</i>	Can the Rudder be unshipped afloat? <i>Yes</i>					
" thickness at the ends of vessel	<i>36</i>	<i>-</i>	<i>8</i>	<i>36</i>	<i>-</i>	KEELSONS AND STRINGERS.					
" depth at $\frac{1}{2}$ the half-bdth. as per Rule	<i>60</i>	<i>-</i>	<i>8</i>	<i>60</i>	<i>-</i>	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
" height extended at the Bilges	<i>45</i>	<i>-</i>	<i>8</i>	<i>45</i>	<i>-</i>	" Rider Plate					
FLOORS & BRACKETS, in Cell Dble Bottoms Distance apart	<i>45</i>	<i>25</i>	<i>8</i>	<i>45</i>	<i>8</i>	" Bulb Plate to Intercoastal Keelson					
CENTRE GIRDER, in Double bottom, depth and thickness	<i>45</i>	<i>-</i>	<i>11</i>	<i>45</i>	<i>11</i>	" Horizontal Plates on Floors					
" Angles, Top	<i>4</i>	<i>4</i>	<i>10-9</i>	<i>4</i>	<i>10-9</i>	" Angles					
" Bottom	<i>4 1/2</i>	<i>4 1/2</i>	<i>12-10</i>	<i>4 1/2</i>	<i>12-10</i>	SIDE KEELSON, Angles					
SIDE GIRDERS, number and thickness	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>	<i>3 1/2</i>	<i>8</i>	" Bulb or Plate above floors, for length					
" Angles	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>	<i>3 1/2</i>	<i>8</i>	" Intercoastal Plate, for length					
MARGIN PLATE, depth (exclusive of flange) and thickness	<i>37</i>	<i>-</i>	<i>10</i>	<i>37</i>	<i>-</i>	" Attached to outside plating with Angle					
" Angles	<i>4</i>	<i>4</i>	<i>10</i>	<i>4</i>	<i>10</i>	BILGE KEELSON, Angles					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	<i>45</i>	<i>-</i>	<i>10</i>	<i>45</i>	<i>-</i>	" Bulb or Plate above floors, for length					
" thickness in Engine and Boiler space	<i>-</i>	<i>-</i>	<i>12</i>	<i>-</i>	<i>12</i>	" Intercoastal Plate, for length					
BEAMS, Spar or Awning Deck, <i>Single Angle, Bulb or Tee Bulb, or Two Vee Channels.</i>	<i>11 1/2</i>	<i>12 1/2</i>	<i>12 1/2</i>	<i>11 1/2</i>	<i>12 1/2</i>	" Attached to outside plating with Angle					
" Angles on upper edge	<i>-</i>	<i>50</i>	<i>-</i>	<i>-</i>	<i>50</i>	BILGE STRINGER Angles					
Average space	<i>8 1/2</i>	<i>3 1/2</i>	<i>9</i>	<i>8 1/2</i>	<i>3 1/2</i>	" Bulb or Plate above floors, for length					
BEAMS, Main Deck, <i>Single Angle, Bulb or Tee Bulb, or Two Vee Channels.</i>	<i>8 1/2</i>	<i>3 1/2</i>	<i>9</i>	<i>8 1/2</i>	<i>3 1/2</i>	" Intercoastal Plate, for length					
" Angles on upper edge	<i>-</i>	<i>25</i>	<i>-</i>	<i>-</i>	<i>25</i>	" Attached to outside plating with Angle					
Average space	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	SIDE STRINGER Angles					
BEAMS, Lower Deck, <i>Single Angle, Bulb or Tee Bulb, or Two Vee Channels.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Bulb or Intercoastal Plate, for full length					
" Angles on upper edge	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Attached to outside plating with Angle					
Average space	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	Spar, or Awning Deck Stringer Plates, breadth and thickness					
BEAMS, Poop Deck, <i>Single Angle, Bulb or Tee Bulb, or Two Vee Channels.</i>	<i>8 1/2</i>	<i>3 1/2</i>	<i>9</i>	<i>8 1/2</i>	<i>3 1/2</i>	" Angle on ditto <i>chairs of erection</i>					
" Angles on upper edge	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Tie Plates, fore and aft, outside Hatchways					
Average space	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Diagonal Tie Plates, No. of prs.					
BEAMS, Bridge Deck, <i>Single Angle, Bulb or Tee Bulb, or Two Vee Channels.</i>	<i>10 1/4</i>	<i>3 3/4</i>	<i>12 1/2</i>	<i>10 1/4</i>	<i>3 3/4</i>	" Deck, <i>Iron or Steel</i> , for full length					
" Angles on upper edge	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Wood Deck, Material and thickness <i>Teak</i>					
Average space	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	Main Deck Stringer Plate, breadth & thickness					
BEAMS, Forecastle Deck, <i>Single Angle, Bulb or Tee Bulb, or Two Vee Channels.</i>	<i>10 1/4</i>	<i>3 3/4</i>	<i>12 1/2</i>	<i>10 1/4</i>	<i>3 3/4</i>	" Angles on ditto, No.					
" Angles on upper edge	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Tie Plates, outside Hatchways					
Average space	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Diagonal Tie Plates, No. of prs.					
PILLARS, In-tween Deck, size and spacing	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Deck, <i>Iron or Steel</i> , for full length					
" Hold	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	" Wood Deck, Material and thickness <i>not checked</i>					
" Quarter, 'tween Dks., <i>Hollow or solid as approved</i>	<i>8</i>	<i>-</i>	<i>8</i>	<i>8</i>	<i>-</i>	Lower Deck Stringer Plates, br'dth & thickn's					
" in Hold <i>Hollow or solid as approved</i>	<i>12-17</i>	<i>12</i>	<i>12-17</i>	<i>12</i>	<i>-</i>	" Angles on ditto, No.					
WEB FRAMES, In Fore Body, No. and spacing	<i>15</i>	<i>6 frames in hold 5 frames in main hold. 3 frames in fore body.</i>	<i>15</i>	<i>15</i>	<i>15</i>	" Tie Plates, outside Hatchways					
" br'dth. & thickness	<i>20</i>	<i>11-10</i>	<i>20</i>	<i>20</i>	<i>11-10</i>	" Deck, Material and thickness					
No. of Side Stringers	<i>3</i>	<i>20</i>	<i>13-12</i>	<i>3</i>	<i>20</i>	Hold, or Orlop Stringer Plate, br'dth & thickn's					
WEB FRAMES, In E. & B. Space, No. & spacing	<i>7</i>	<i>4 frames</i>	<i>7</i>	<i>4 frames</i>	<i>7</i>	" Angles on ditto, No.					
" br'dth. & thickness	<i>20</i>	<i>11</i>	<i>20</i>	<i>20</i>	<i>11</i>	" Tie Plates, outside Hatchways					
WEB FRAMES, In After Body, No. and spacing	<i>10</i>	<i>6 frames</i>	<i>10</i>	<i>6 frames</i>	<i>10</i>	" Deck, Material and thickness					
" br'dth. & thickness	<i>20</i>	<i>11-10</i>	<i>20</i>	<i>20</i>	<i>11-10</i>	Poop Deck Stringer Plate, breadth & thickness					
No. of Side Stringers	<i>3</i>	<i>20</i>	<i>13</i>	<i>3</i>	<i>20</i>	" Angles on ditto					
" Size of Angles <i>14</i> Bars to Web Frames	<i>6 1/2</i>	<i>4 1/2</i>	<i>13</i>	<i>6 1/2</i>	<i>4 1/2</i>	" Tie Plates					
BRACKET PLATES to Stringers between Web Frames, depth and thickness	<i>18</i>	<i>10</i>	<i>18</i>	<i>10</i>	<i>10</i>	" Deck, Material and thickness <i>Teak</i>					
						Forecastle Deck Stringer Plate, br'dth & th'kns					
						" Angle on ditto					
						" Tie Plates <i>steel deck at middle</i>					
						" Deck, Material and thickness <i>Teak</i>					

