

1 or 2 Dks., R. Q. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 47

State of Report is also sent on the Machinery of the Vessel *yes*

Date of completion of Report *31st December 1899*

Port of *Shanghai*

Date, First Survey *2nd February*

Last Survey *16th November 1899*

Survey held at
On the

Shanghai (Grabow 76)
Steel Iron Steamer Emil Berens

Rig *one pole mast*

Master *H. Becker*

Year of appointment *Aug 1899*

Built at *Grabow 76*

When built *1899* Launched *26th Aug*

By whom built *Oderwerke*

Owners *Danziger Rhederei Act. Ges.*

Managers *H. Rodenacker*
(Where necessary to be entered in Reg. Book.)

Residence *Danzig*

Port belonging to *Danzig*

Tonnage under
Tonnage Deck *570.52*
Do. of Poop *109.8*
Do. of Raised Qr.
Dk. or Break...
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of
Engine Room...
Tonnage
Crew Space
above Crown of
Engine Room...
Tonnage for Fees...
Engine Room
Navigation Spaces
Master Tonnage
out on Beam...
380.5

ONE OR TWO DECKED VESSEL.

CLASS *100 A 1*

FEET.

Half Breadth (moulded) *15.09*

Depth from upper part of Keel to top of Main Deck Bms.
(with the normal round up of beam) *14.73*

Girth of Half Midship Frame (as per Rule) *27.00*

1st Number *56.82*

Length on deck from after part of stem to fore part of
stern post *193.56*

2nd Number *10998*

Proportions—Breadths to Length *6.42*

Depths to Length—Main Deck to top of Keel... *13.12*

Destined Voyage *Danzig*

If Surveyed while Building, Afloat, or in Dry Dock *off 4 docks*

LENGTH on Deck as	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with Flat laid
Rule	193	6 1/2	Moulded	30	2	Top of Floors to top of Main Deck Beams	12	1	1

Dimensions of Ship per Register, Length, *193.56* breadth, *30.24* depth, *12.14* Moulded Depth, *14* ft. *2 1/2* ins. Round of Beam, Actual *7 1/4* ins.

FRAMING.

	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved	16ths or 20ths per Rule
NAME, Angles, <i>7</i> or <i>8</i> Bars, for $\frac{1}{2}$ length amidships	3 1/2	3	4/20	3 1/2	3	4/20
Do. for $\frac{1}{2}$ at each end	3 1/2	3	4/20	3 1/2	3	4/20
Do. in way of Double Bottoms at Solid Floors	3	3	4/20	3	3	4/20
" " at intermdt. Bkts.	22	15 3/4		22	15 3/4	
ance of Frames from moulding edge to moulding edge, all fore and aft	3	3 1/2	4/20	3	2 1/2	5/20
VERSED FRAME, Angles	3	3 1/2	4/20	3	2 1/2	5/20
EP FRAMING, depth of girder	16		4/20	16		4/20
DOORS, depth and thickness of Floor Plate at mid line for $\frac{1}{2}$ length amidships	16		4/20	16		4/20
Do. in way of Engines and Boilers	16		4/20	16		4/20
Do. thickness at the ends of vessel	16		4/20	16		4/20
Do. depth at $\frac{1}{2}$ the half breadth, as per Rule	16		4/20	16		4/20
Do. height extended at the Bilges	16		4/20	16		4/20
DOORS & BRACKETS, in Cell Dble Bottoms	16		4/20	16		4/20
" " Distance apart	22		4/20	22		4/20
TRE GIRDER, in Double Bottom, depth and thickness	32	39 1/2	8/20	32	39 1/2	8/20
" " Angles, Top	3 1/2	3 1/2	4/20	3 1/2	3 1/2	4/20
" " Bottom	3 1/2	3 1/2	4/20	3 1/2	3 1/2	4/20
E GIRDERS, number on each side & thickness	one		13/40	one		13/40
" " Angles	3	2 1/2	6/20	3	2 1/2	6/20
RGIN PLATE, depth (exclusive of flange) and thickness	18		13/40	18		13/40
" " Angles to Outside Plating	3	3	4/20	3	3	4/20
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	31 1/2	7 1/6 - 6 1/6		31 1/2	7 1/6 - 6 1/6	
" " thickness in Engine and Boiler space						
" " Remainder in Holds						
MS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	4/20	6 1/2	3	4/20
" " Angles on Upper Edge						
" " Average space	on every frame			on every frame		
MS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
" " Angles on Upper Edge						
" " Average space	on every frame			on every frame		
MS, Hold, Plate or Tee Bulb	8	8/10		8	8/10	
" " Angles on Upper Edge	3	3	4/20	3 1/2	3	6/20
" " Average space	2 in E & B space					
MS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 3/4	3	5/16	4 3/4	3	5/16
" " Angles on Upper Edge						
" " Average space	on every frame			on every frame		
MS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle Plate, or Tee Bulb						
" " Angles on Upper Edge						
" " Average Space	on every frame			on every frame		
MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/8	3	5/16			
" " Angles on Upper Edge						
" " Average space	on every frame			on every frame		
CLARS, In 'tween Decks, Size and Spacing						
" " Hold	4 1/2	3 1/2		4 1/2	3 1/2	
" " Quarter, 'tween Dks.	4 1/2	3 1/2		4 1/2	3 1/2	
" " in Hold	4 1/2	3 1/2		4 1/2	3 1/2	
WEB FRAMES, In Fore Body, No. and Spacing	one			one		
" " " Brdth. & Thickness	12 1/8		4/20			
" " No. of Side Stringers	2			2		
WEB FRAMES, In E. & B. Space, No. & Spacing						
" " " Brdth. & Thickness						
WEB FRAMES, In After Body, No. and Spacing						
" " " Brdth. & Thickness						
" " No. of Side Stringers						
" " Size of Angles or Tee Bars to Web Frames						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

FORGINGS AND CASTINGS.

	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved	16ths or 20ths per Rule
KEEL, Bar or Side Plates depth and thickness	7 1/2	2 1/8		7 1/2	2 1/8	
STEM, moulding and thickness	7 1/2	2 1/2		7 1/2	2 1/2	
STERN-POST for Rudder do. do.	7	4 1/4		7	4 1/4	
" " for Propeller	7	4 1/4		7	4 1/4	
MAIN PIECE of Rudder, diameter at head	4 3/4			4 3/4		
do. at heel	2 3/4			2 3/4		
RUDDER, how constructed <i>Frame of cast steel with single plate</i>						
Can the Rudder be unshipped afloat? <i>yes</i>						
KEELSONS AND STRINGERS.						
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	28		4/20	28		4/20
" " Rider Plate						
" " Bulb Plate to Intercoastal Keelson						
" " Horizontal Plates on Floors	11		4/20	11		4/20
" " Angles	4 1/2	3	4/20	4 1/2	3	4/20
SIDE KEELSON, Angles	4 1/2	3	4/20	4 1/2	3	4/20
" " Bulb or Plate above floors for Ing.						
" " Intercoastal Plate for E & B space length <i>8' above floors</i>	8		4/20	8		4/20
" " Attached to outside plating with Angle	3	3	4/20	3	3	4/20
BILGE KEELSON, Angles	4 1/2	3	4/20	4 1/2	3	4/20
" " Bulb or Plate above floors for each sp. len.	7		4/20	7		4/20
" " Intercoastal Plate for length						
" " Attached to outside plating with Angle						
BILGE STRINGER Angles	4 1/2	3	4/20	4 1/2	3	4/20
" " Bulb Plate for length	7		4/20	7		4/20
" " Intercoastal Plate for length						
" " Attached to outside plating with Angle						
SIDE STRINGER Angles	4 1/2	3	4/20	4 1/2	3	4/20
" " Bulb or Intercoastal Plate for whole Ing.	12		4/20	12		4/20
" " Attached to outside plating with Angle	3	2 1/2	6/20			
Main and Raised Quarter Deck Stringer Plate, breadth and thickness	28 - 22	9 - 7 1/6		28 - 22	9 - 7 1/6	
" " Angle on ditto	3 1/2 x 3 1/2	7 1/2		3 1/2 x 3 1/2	7 1/2	
" " Tie Plates fore & aft, outside Hatchways						
" " Diagonal Tie Plates on Bms, No. of Pairs						
" " Main Dk* Iron or Steel for whole Ing.	no iron?					
" " R. Q. Dk* Iron or Steel for whole Ing.						
" " Wood Deck, Material & thickness <i>chequered steel</i>	16 1/2	16 1/2	in way of 32 hatches	16 1/2	16 1/2	in way of 32 hatches
Lower Deck Stringer Plate, breadth and thickness						
" " Angles on ditto, No.						
" " Tie Plates, outside Hatchways						
" " Deck* Material and thickness						
Hold Stringer Plate						
" " Angles on ditto, No.						
Poop Deck Stringer Plate, breadth & thickness	31 1/2	4 1/4		31 1/2	4 1/4	
" " Angle on ditto	2 1/2 x 2 1/2	4/20		2 1/2 x 2 1/2	4/20	
" " Tie Plates						
" " Deck, Material and thickness <i>chequered steel</i>						
Bridge Deck Stringer Plate, brdth & thickness						
" " Angle on ditto						
" " Tie Plates						
" " Deck, Material and thickness <i>chequered steel</i>						
Forecastle Deck Stringer Plate, brdth & thickness	43 1/4	4 1/4		43 1/4	4 1/4	
" " Angle on ditto	2 1/2 x 2 1/2	4/20		2 1/2 x 2 1/2	4/20	
" " Tie Plates						
" " Deck, Material and thickness <i>chequered steel</i>						

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

BULKHEADS.

	Number.	In Vessel.	Per Rule.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
W.T. BULKHEADS	3	3		6 - 5/16	140 x 75 x 10 90 x 75 x 7.5	90 x 75 x 7.5	dub	360 M Deck 120 flat
PARTITION	one	between E & B space						
LONGITUDINAL	between hatches							
Are the outside Plates doubled two spaces of Frames in length?								
Are the Sluice Valves and Watertight Doors in efficient working order?								

Boats 1 Lifeboat 22'0" x 5'3" x 3'0", 1 Lifeboat 20'8" x 5'3" x 2'1", 1 Dinghy 15'9" x 4'6" x 1'9"

Pumps, Number 3 Diameter of Barrel 5 2 3/4 State whether they are in efficient working order yes

Windlass is Steam, placed on fore-castle Capstan Steam forward and aft

Engine Room Skylights.—How constructed? Steel with bulgeyes

What arrangements for deadlights in bad weather? Live lights have cast-iron dead lights

Coal Bunker Openings.—How constructed? rectangular How are lids secured? in usual manner Height above deck? 18" above pump

Number of Scuppers, and number and dimensions of Freeing Ports, &c. Scuppers in sufficient number, 8 freeing ports of 28 x 19 1/2 on main deck

Ceiling in Holds, thickness and material pine 2" Ceiling 'tween Decks, thickness and material —

Cargo Hatchways.—How formed? Steel coverings 39 1/2" high

Hatches.—If strong and efficient? yes

State size No. 1 Hatch (Forward) on fore-castle 18, 39 x 12 1/2 ft No. 2 Hatch 22 1/2 x 13, 77 No. 3 Hatch 14 3/4 x 13, 77 No. 4 Hatch —

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch 4 hatch 1 or 1 1/2 x 1 1/2 fitted with one, 1 1/2 x 1 1/2 with two shifting beams, each hatch 3 fore & afters

No. of Breasthooks fore peak flat No. of Crutches —

Bulwarks, height above deck and description 4 3/4" railing of railing profile Main Rail, material and size iron 6 1/2"

The above is a correct description.

Builder's Signature (here only) Maschinenfabrik & Schiffbauwerk A. G. Surveyor's Signature Emil Herrberg

Surveyor to Lloyd's Register of British and Foreign Shipping.

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