

# Lloyd's Register of British and Foreign Shipping.

FORM OF COMPARISON OF SCANTLINGS OF ~~UNCLASSED~~ IRON AND STEEL SHIPS  
WITH THE RULES OF LLOYD'S REGISTER.

~~IRON OR STEEL~~ *Fionia* (Burmester & Wain's)  
newly No 293

Port of *Copenhagen*

Survey held at *Copenhagen*

Date, *8 Dec*

*1913*

On the

Rig *4 Pole masts with Derricks*

~~ONE, OR TWO DECKED, THREE DECKED VESSEL,~~  
~~SPAR, OR AWNING-DECKED VESSEL.~~

Built at *Copenhagen*

Half Breadth (moulded) .. .. . *26'-6"*

Depth from upper part of Keel to top of Upper Dk. Beams *23'-1 1/4"*

Girth of Half Midship Frame (as per Rule) *45'-9 1/2" to msk*

1st Number *(395-0) 10 1/2 Stam* .. *95-4 3/4*

1st Number, if a 3-Decked Vessel deduct 7 ft. *✓*

Length .. .. . *393'-4"*

2nd Number .. .. . *3752368*

Proportions—Breadths to Length .. .. . *7.42*

Depths to Length—Upper Deck to Keel .. .. . *12.84*

Main Deck ditto .. .. . *✓*

When built *1913* Off. No. *✓*

By whom built *Burmester & Wain's*  
*Maslin & Skibskyggeri*

Owners *Det Østasiatisk Kompagni*

Port belonging to *Copenhagen*

COMPARISON OF THE SCANTLINGS:—To be made with the Rules of Lloyd's Register.

	Inches in Ship	Inches in Ship	16ths or 20ths in Ship	Inches per Rule	Inches per Rule	16ths or 20ths per Rule	Inches in Ship	Inches in Ship	16ths or 20ths in Ship	Inches per Rule	Inches per Rule	16ths or 20ths per Rule
FRAMING.							KEELSONS & STRINGERS.					
Return to Awning Mt. 52x82x46												
FRAME, Angles, or Bars for 1/2 length amidships	92	32	52									
" Distance of frames from Moulding edge to moulding edge, all fore and aft	25											
REVERSED FRAME Angles	✓											
REVERSED ANGLES on floors and frames extend	4	32	40									
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	✓											
" height extended at the Bilges	✓											
FLOORS AND BRACKETS in Cell Double Bottoms				40								
" Distance apart	25											
CENTRE GIRDER, in Double Bottom, depth and thickness	42			50								
" Angles, Top 22x32x50 Bottom	42	42		60								
SIDE GIRDERS, number and thickness	32	32		40								
" Angles, Top 20x40 Bottom	32	32		46								
MARGIN PLATE, depth (exclusive of flange) and thickness	32	32		46								
" Angles 5x10	32	32		46								
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	42			50								
" in Engine and Boiler Space				86								
" Remainder in Holds				40								
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	82	32	32	50								
" Angles on upper edge	✓			53								
" Average space	50											
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	7	3x3		375								
" Angles on upper edge	✓			375								
" Average space	25											
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb												
" Angles on upper edge												
" Average space												
BEAMS, Hold, or Orlop, Plate or Tee Bulb												
" Angles on upper edge												
" Average space												
BEAMS, Poop and Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	82	3		50								
" Angles on upper edge	82	32	32	53								
" Average space	50											
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	92	32		54								
" Angles on upper edge	✓											
" Average space	50			below								
PILLARS, Hold max sp. 12 1/2				14 1/2		60						
PILLARS, Deck max sp. 12 1/2				10 1/2		50						
WEB-FRAMES, in Fore Body, No. and spacing												
" Breadth & Thickness												
" No. of Side Stringers												
WEB-FRAMES, in After Body, No. and spacing												
" Breadth & Thickness												
" No. of Side Stringers												
" Size of Angles or Tee Bars to Web Frames												
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate												
" Rider Plate												
" Bulb Plate to Intercoastal Keelson												
" Horizontal Plates on Floors												
" Angles												
SIDE KEELSON, Angles												
" Bulb or Plate above floors, for length												
" Intercoastal Plate for length												
" Attached to outside Plating with Angle												
BILGE KEELSON, Angles												
" Bulb or Plate above floors, for length												
" Intercoastal Plate for length												
" Attached to outside Plating with Angle												
BILGE STRINGER, Angles												
" Bulb Plate for length												
" Intercoastal Plate for length												
" Attached to outside Plating with Angle												
SIDE STRINGER, Angles												
" Bulb or Intercoastal Plate for lng.												
" Attached to outside Plating with Angle												
Upper Deck Stringer Plate, on ends of Beams, breadth and thickness	58			46								
" Angle on ditto	32	32		46								
" Flat of Deck, Iron or Steel, for length	4			34								
" Wood Material & thickness				2 1/2								
" How fastened to Beams												
Middle Deck Stringer Plate, breadth and thickness	46			46								
" Diagonal Tie Plates on Beams	✓											
" No. of pairs												
" Flat of Deck, Iron or Steel, for length	✓			30								
" Wood Material & thickness	✓											
Lower Deck Stringer Plate, breadth and thickness	✓											
" Flat of Deck, Material & Thickness	✓											
Hold or Orlop Stringer Plate, breadth and thickness	✓											
PLATING.												
FLAT PLATE KEEL, breadth and thickness	54			96								
" Doubling or inch thickness and length applied	✓											
PLATES in Garboard Strakes, breadth and thickness				58								
" from Garboard to lower part of Bilges				58								
" Bilges, number of Strakes and thickness	25 1/2			62								
" Of doubling at Bilge, and length applied	✓											
" from upper part of Bilge to lower edge of Sheerstrake				62								
" Sheerstrake, breadth and thickness	64			62								
" Upper Sheerstrake	58			62								
" Of doubling at Sheerstrake and length applied	✓											
" Poop and Awning Decked Sides				62								
" Bridge do.				62								
" Forecastle do.				62								
Bulkheads No. 6 No. per Rule				100 - 38								
" Height up Main Deck												
Thickness of 28-32 How secured to sides of ship	42	42		44								
Size of Vertical Angle Irons and distance apart 30" ins.	72	3		46								
Are the outside Plates doubled two spaces of Frames in length?												

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES.

The shell edges are *7/8"* double riveted; except in way of Bridge where *1"* p. All steel butts are *3/4"* riv *7/8"* p. except where the plate thickness is above *.66"*. The Bridge sidestakes are *4/4"* riveted for *1/2"*. The keelplate is *4/4"* riv *1 1/8"* p. Bridge & Awning & Stringer plate *3/4"* riv *1 1/2"* p. Main & Scupper *3/4"* riv *1 1/2"* p.

GENERAL REMARKS (state quality of Workmanship and present condition of Vessel).

*Good throughout.*

Surveyor's Signature

*Jae. Olsen*

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