

IRON SHIP.

519

No. 519 Survey held at Postock Date, First Survey 3^d April Last Survey 18th September 1882

On the Iron Steamer "Nordstjernen"

Master A. Snell

Built at Postock

When built 1882 Launched June 24th '82

By whom built Postocker Actien Gesellsch.
für Schiff & Maschinenbau

Owners Bergenske Dampskibsselskab

Residence Bergen, Norway

Port belonging to Bergen, Norway

Destined Voyage From Hamburg to Norwegian Coast up to North Cape

If Surveyed while Building, Afloat, or in Dry Dock. Surveyed while building

TONNAGE under Tonnage Deck } 541.50

Ditto of Third, Spar, or Awning Deck. } 260.06

Ditto of Poop, or Raised Qr. Dk. } 20.37

Ditto of Houses on Deck } 20.37

Ditto of Forecastle } 20.37

Gross Tonnage } 821.93

Less Crew Space } 41.10

Less Engine Room } 178.58

Register Tonnage as cut on Beam } 602.25

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

Half Breadth (moulded) Main 14 Feet.

Depth from upper part of Keel to top of ~~Upper~~ Deck Beams 16.0

Girth of Half Midship Frame (as per Rule) 25.8

1st Number 55, 66

1st Number, if a 3-Decked Vessel .. deduct 7 feet

Length 187.4

2nd Number 10426

Proportions— Breadths to Length .. 1: 6.7

Depths to Length—Upper Deck to Keel .. 1: 8.04

Main Deck ditto .. 1: 11.7

LENGTH on deck as per Rule ... 187 Feet. 4 Inches. BREADTH Moulded... 28 Feet. — Inches. DEPTH top of Floors to Upper Deck Beams ... 21 Feet. 11 1/2 Inches. Do. do. Main Deck Beams... 14 Feet. 8 1/2 Inches. Power of Engines ... 160 Horse. N^o. of Decks with flat laid 2 N^o. of Tiers of Beams 3

Dimensions of Ship per Register, length, 188 breadth, 28 depth, 14.8 1/2

	Inches in Ship.	Inches per Rule.		Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	7 1/2 x 2 1/8	7 1/2 x 2 1/8	FLAT KEEL PLATES, breadth and thickness	32	9
STEM, moulding and thickness	7 1/2 x 2 1/8	6 3/4 x 2 1/8	PLATES in Garboard Strakes, br'dth & thickness	7 x 8	7 x 8
STERN-POST for Rudder do. do.	7 1/2 x 4	6 3/4 x 4 1/4	From Garboard to upper part of Bilges...	15	1/4 or 1/2
" " for Propeller	7 1/2 x 4	6 3/4 x 4 1/4	" Of d'bling at Bilge, or increased thickness, and length applied	7 x 8	7 x 8
Distance of Frames from moulding edge to moulding edge, all fore and aft	22"	22"	" From up. prt of Bilge to lr. edge of Sh'rstrake...	33	11
			" Main Sheerstrake, breadth and thickness.....	33	11
			" Of d'bling at Sh'atk. & lng. applied	5	5
			" From M'n. to Upr. or Spar Dk. Sh'rstrake...	9 3/4	8 x 9
FRAMES, Angle Iron, for 3/4 length amidships	3 1/2 3 6	3 1/2 3 6	Up. or Spar Dk Sh'rstrake, br'dth & thicken'ss	11 1/2	9 3/4 for 8 x 9
Do. for 1/2 at each end	3 1/2 3 5	3 1/2 3 5	Butt Straps to outside plating, breadth & thickness	4 1/2	double rivets
REVERSED FRAMES, Angle Iron	3 2 1/2 5	3 2 1/2 5	Lengths of Plating	4 1/2	
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	15 1/2 x 7 1/16	15 1/2 x 7	Shifts of Plating, and Stringers	23	6
" thickness at the ends of vessel	6	6	Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness...	3 1/2 x 3 x 6	3 1/2 x 3 x 6
" depth at 3/4 the half-bdth. as per Rule	8"	7 3/4	Upper Deck Beams, breadth and thickness...	9	6
" height extended at the Bilges...	31	31	Angle Iron on ditto	9	6
			Tie Plates fore and aft, outside Hatchways	3	3
BEAMS, Upper, Spar, or Awning Deck	5 3 7	5 3 7	Diagonal Tie Plates on Beams No. of Pairs	3	3
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron			Flat of Upper, Spar, or Awning Dk. * wood (pine)	40	8/16
Single or double Angle Iron on Upper Edge	4 4	4 4	How fastened to Beams by wood plates Screws	40	8/16
Average space...	4 4	4 4	Stringer Plate on ends of Main or Middle Deck	23	7
BEAMS, Main, or Middle Deck	7 5 7	7 5 7	Beams, breadth and thickness	23	7
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron			Is the Stringer Plate attached to the outside plating?	yes	
Single, or double Angle Iron, on Upper Edge	4 4	4 4	Angle Irons on ditto, No. <u>2</u>	4 x 3 x 6	4 x 3 x 6
Average space...	4 4	4 4	Tie Plates, outside Hatchways	9	8/16
BEAMS, Lower Deck	6 5 6	6 5 6	Diagonal Tie Plates on Beams, No. of pairs	3 1/2	3 1/2
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron			Flat of Middle Deck* do. do. <u>pine wood</u>	4 x 3 x 6	4 x 3 x 6
Single or double Angle Iron on Upper Edge	4 4	4 4	How fastened to Beams	9 x 8/16	9 x 8/16
Average space...	4 4	4 4	Stringer Plates on ends of Lower Deck, Hold or Orlop Beams	23	7
BEAMS, Hold, or Orlop			Is the Stringer Plate attached to the outside plating?	yes	
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron			Angle Irons on ditto, No. <u>2</u>	4 x 3 x 6	4 x 3 x 6
Single or double Angle Iron on Upper Edge			Stringer or Tie Plates, outside Hatchways	9 x 8/16	9 x 8/16
Average space...			Flat of Lower Deck *	2" loose planks	
KEELSONS Centre line, single or double plate, box, or Intercostal, Plates	12 x 9	12 x 9			
" Rider Plate	8 1/2 x 9	8 1/2 x 9	Ceiling betwixt Decks, thickness and material	2" Pine	
" Bulb Plate to Intercostal Keelson	4 3 6	4 3 6	" in hold do. do.	2 1/2 do.	2 1/2
" Angle Irons	4 3 6	4 3 6	Main piece of Rudder, diameter at head	4 3/4	4 3/4
" Double Angle Iron Side Keelson	4 3 6	4 3 6	do. at heel	2 3/4	2 3/4
" Side Intercostal Plate			Can the Rudder be unshipped afloat?	yes	
" do. Angle Irons			Bulkheads No. <u>4</u> No. per Rule <u>4</u>		
" Attached to outside plating with angle iron			" Thickness of <u>5/16</u>		
BILGE Angle Irons	4 3 6	4 3 6	" Height up <u>to main deck</u>		
" do. Bulb Iron...	7 x 7	7 x 7	" How secured to sides of ship <u>by double frames</u>		
" do. Intercostal plates riveted to plating for length	4 3 6	4 3 6	" Size of Vertical Angle Irons <u>3 x 2 1/2 x 5/16</u> and distance apart <u>2'- 6 ins.</u>		
BILGE STRINGER Angle Irons	4 3 6	4 3 6	" Are the outside Plates doubled two spaces of Frames in length? <u>yes</u>		
Intercostal plates riveted to plating for length					
SIDE STRINGER Angle Irons					

The FRAMES extend in one length from Keel to upper deck Riveted through plates with 3/4 in. Rivets, about 6" apart.

The REVERSED ANGLE IRONS on floors and frames extend from middle line to above Main Deck and to above Two Deck alternately

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? yes And butts properly shifted? yes

PLATING. Garboard, double riveted to Keel, with rivets 1 in. diameter, averaging 5 ins. from centre to centre.

" Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/4 in. diameter, averaging 2 3/4 ins. from centre to centre.

" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 3/4 in. diameter averaging 2 3/4 ins. from centre to centre.

" Butts of 2 Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 1/16 thicker than the plates they connect.

" Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 2 3/4 ins. from cr. to cr.

" Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 2 3/4 ins. from cr. to cr.

" Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted.

" Butts of Main Sheerstrake, treble riveted for 1/2 length amidships. Butts of Upper or Spar Sheerstrake, double riveted length amidships.

" Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, double riveted for length.

" Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting 2 1/2

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Upper & two No. of Breasthooks, deck Straps, Crutches, double riveted

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Phenist iron. 38° of Breasthooks 4

Manufacturer's name or trade mark, Union Dockyard

The above is a correct description.

Builder's Signature, Alfred ... Surveyor's Signature, Ernest ...

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

