

# IRON SHIPS.

4794 Iron

No. 200 Survey held at Antwerp Date, first Survey January Last Survey March 18 70  
on the Vigilant now called "Ems" Master Muller

Tonnage under Tonnage Deck	ONE, OR TWO DECKED VESSELS.	THREE DECKED VESSELS.	Built at <u>Antwerp</u>
Ditto of Spar Deck, or Awning Deck.	Half moulded breadth ....	Half Moulded Breadth....	When built <u>1866</u> Launched <u>April</u>
Ditto of Poop, or Raised Qr. Dk.	Depth from upper part of Keel to top of Upper Deck Beams .....	Total Depth if three or more Decks .....	By whom built <u>Handerson</u>
Ditto of Houses on Deck .....	Girth of Half Midship Frame .....	Total Girth of Half Midship Frame .....	Owners <u>Philipson &amp; Co</u>
Ditto of Forecastle	1st Number .....	3rd Number .....	Port belonging to <u>Antwerp</u>
Gross Tonnage	Length .....	Length .....	Destined Voyage <u>hambourg</u>
Crew Space, as per Rule	2nd Number .....	4th Number .....	<del>If</del> Surveyed while Building, <del>Afloat</del> , or in Dry Dock
Register Tonnage, cut on Beam... <u>345</u>	Depths to Length .....	Breadths to Length .....	
Engine Room <u>149</u>			
Register Tonnage, as a Steamer, cut on the Beam			

Length on deck as per Rule, <u>25</u>	Feet. Inches. Moulded Breadth, <u>12</u> <u>1</u>	Feet. Inches. Depth from top of <u>Keel</u> to Deck Beam, as per Rule .. <u>11</u> <u>6</u>	Horse. Power of Engines, <u>40</u>	N <sup>o</sup> . of Decks, <u>one</u>	N <sup>o</sup> . of Tiers of Beams, <u>one</u>
Dimensions of Ship per Register, length, breadth, depth,			Inches. 16ths. Inches. 10ths. required per Rule.		
Keel, if bar iron, depth and thickness .....	Inches in Ship.	Inches required per Rule.	Flat Keel Plates, breadth and thickness .....		
Do. if centre through plate, depth and thickness .....	<u>as formerly</u>		Plates in Garboard Strakes, breadth and thickness .....		
Stem, if bar iron, moulding and thickness ....			Do. from Garboard to upper part of Bilges ..		
Stern-post do. do. do. ....			Do. of doubling at Bilge, or increased thickness, and length applied .....		
Distance of Frames from moulding edge to)			Do. from upper part of Bilge to lower edge of Sheerstrake .....		

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**Workmanship.** Are the butts of plating planed or otherwise fitted? 4797 Iron

Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? \_\_\_\_\_

Do the fillings between the ribs and plates fill in solid with single pieces? \_\_\_\_\_ or are they in short lengths of various thicknesses? \_\_\_\_\_

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? \_\_\_\_\_ and are the rivet holes

well and sufficiently countersunk in the plate and punched from the faying surfaces? \_\_\_\_\_

Are there any rivets which either break into or have been put through the seams or butts of the plating? \_\_\_\_\_

Her Masts, Bowsprit, Yards, &c., are in good condition, and sufficient in size and length. If they are of Iron or Steel give the Scantlings of Plating, Angle Irons, &c. and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit \_\_\_\_\_

*The new chain 90 fathoms 1 1/16 was tested 3 Febr. 1870 under the supervision of Samuel Ferguson Esq at Staffordshire as well as the new anchor of 9' 3 1/4" 10. 3. 21*

Number for equipment	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	N <sup>o</sup> .	Weight. Ex. Stock.	Test as per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
<b>SAILS.</b>											
Fore Sails,	Chain .....	90	1 1/16 new			Bowers ....	3	9.07 new			
Fore Top Sails,	(State Machine where Tested, and name of Superintendent).	90	1 old					8.20 old			
Fore Topmast Stay Sails	Hempen Stream Cable	90	1/8 old			(State Machine where Tested, and name of Superintendent).		7.37 old			
Main Sails,	Hawser .....	artificially spun as being satisfactory but not mentioned				Stream ....	1	2.30 old			
Main Top Sails,	Towlines ...										
	Warp .....					Kedges ....	1	1.2 old			
All of <u>good</u> quality.											

Her Standing and Running Rigging Gale Nine & hemp sufficient in size and good in quality. She has 2 Long Boat and \_\_\_\_\_

The present state of the Windlass is good Capstan good and Rudder good Pumps good