

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>Rotterdam</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>Henderson</u> |
| Ditto of Houses on Deck | Girth of Half Midship Frame | Total Girth of Half Midship Frame | Owners <u>Phillipson & 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 | If Surveyed while Building, Afloat, 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>22</u> <u>1</u> | Feet. Inches. Depth from top of ^{Keel} Deck Beam, as per Rule <u>11</u> <u>6</u> | Horse. Power of Engines, <u>40</u> | N ^o . of Decks, <u>one</u> | N ^o . of Tiers of Beams <u>one</u> |
| Dimensions of Ship per Register, length, breadth, depth, | | | | | |
| 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 <u>double</u> | | |

180 N 446-0026



497 Iron

Workmanship. Are the butts of plating planed or otherwise fitted? _____

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 1/16 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

one good and above

| Number for equipment | Fathoms. | Inches. | Test as per Certificate. | In. req'd per Rule. | Test req'd per Rule. | ANCHORS, &c. | N ^o . | Weight. Ex. Stock. | Test as per Certificate. | W'ght req'd per Rule. | Test req'd per Rule. |
|-------------------------|----------|---------|--------------------------|---------------------|----------------------|---|------------------|--------------------|--------------------------|-----------------------|----------------------|
| SAILS. | | | | | | | | | | | |
| Fore Sails, | 90 | 1 1/16 | new | | | Bowers | 3 | 9.07 | new | | |
| Fore Top Sails, | 90 | 1 | old | | | | | 8.20 | old | | |
| Fore Topmast Stay Sails | 90 | 7/8 | old | | | | | 7.37 | old | | |
| | | | | | | (State Machine where Tested, and name of Superintendent). | | | | | |
| Main Sails, | | | artificially | | | Stream | 1 | 2.34 | old | | |
| Main Top Sails, | | | but not mentioned | | | Kedges | 1 | 1.2 | old | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Her Standing and Running Rigging Gala Wire & 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