

= French ironclad Jeanne d 'Arc =

The French ironclad Jeanne d 'Arc was a wooden @-@ hulled armored corvette built for the French Navy in the late 1860s . She was named for Joan of Arc , a Roman Catholic saint and heroine of the Hundred Years War . Jeanne d 'Arc participated in the Franco @-@ Prussian War of 1870 ? 71 and remained in commission afterwards , unlike many of her sisters . The ship was condemned in 1883 , but nothing further is known as to her disposition .

= = Design and description = =

The Alma @-@ class ironclads were designed as improved versions of the armored corvette Belliqueuse suitable for foreign deployments . Unlike their predecessor the Alma @-@ class ships were true central battery ironclads as they were fitted with armored transverse bulkheads . Like most ironclads of their era they were equipped with a metal @-@ reinforced ram .

Jeanne d 'Arc measured 68 @.@ 9 meters (226 ft 1 in) between perpendiculars , with a beam of 14 @.@ 08 meters (46 ft 2 in) . She had a mean draft of 6 @.@ 37 meters (20 ft 11 in) and displaced 3 @,@ 675 metric tons (3 @,@ 617 long tons) . Her crew numbered 316 officers and men .

= = = Propulsion = = =

The ship had a single horizontal return connecting @-@ rod steam engine driving a single propeller . Her engine was powered by four oval boilers . On sea trials the engine produced 1 @,@ 884 indicated horsepower (1 @,@ 405 kW) and the ship reached 11 @.@ 75 knots (21 @.@ 76 km / h ; 13 @.@ 52 mph) . Unlike all of her sisters except Thétis , she had two funnels , mounted side @-@ by @-@ side . Jeanne d 'Arc carried 250 metric tons (250 long tons) of coal which allowed the ship to steam for 1 @,@ 710 nautical miles (3 @,@ 170 km ; 1 @,@ 970 mi) at a speed of 10 knots (19 km / h ; 12 mph) . She was barque @-@ rigged and had a sail area of 1 @,@ 454 square meters (15 @,@ 650 sq ft) .

= = = Armament = = =

Jeanne d 'Arc mounted four of her 194 @-@ millimeter (7 @.@ 6 in) Modèle 1864 breech @-@ loading guns in the central battery on the battery deck . The other two 194 @-@ millimeter guns were mounted in barbettes on the upper deck , sponsoned out over the sides of the ship . The four 120 @-@ millimeter (4 @.@ 7 in) guns were also mounted on the upper deck . She may have exchanged her Mle 1864 guns for Mle 1870 guns . The armor @-@ piercing shell of the 20 @-@ caliber Mle 1870 gun weighed 165 @.@ 3 pounds (75 @.@ 0 kg) while the gun itself weighed 7 @.@ 83 long tons (7 @.@ 96 t) . The gun fired its shell at a muzzle velocity of 1 @,@ 739 ft / s (530 m / s) and was credited with the ability to penetrate a nominal 12 @.@ 5 inches (320 mm) of wrought iron armour at the muzzle . The guns could fire both solid shot and explosive shells .

= = = Armor = = =

Jeanne d 'Arc had a complete 150 @-@ millimeter (5 @.@ 9 in) wrought iron waterline belt , approximately 2 @.@ 4 meters (7 @.@ 9 ft) high . The sides of the battery itself were armored with 120 millimeters (4 @.@ 7 in) of wrought iron and the ends of the battery were closed by bulkheads of the same thickness . The barrette armor was 100 millimeters (3 @.@ 9 in) thick , backed by 240 millimeters (9 @.@ 4 in) of wood . The unarmored portions of her sides were protected by 15 @-@ millimeter (0 @.@ 6 in) iron plates .

= = Service = =

Jeanne d 'Arc was laid down at Cherbourg in 1865 and launched on 28 September 1867 . The ship began her sea trials on 9 March 1868 and was put into reserve at Brest in 1869 . She was commissioned on 12 April 1870 , shortly before the Franco @-@ Prussian War began , and assigned to the Northern Squadron . On 24 July 1870 she departed Cherbourg in company with the rest of the Northern Squadron and they cruised off the Danish port of Frederikshavn between 28 July and 2 August until they entered the Baltic Sea . The squadron , now renamed the Baltic Squadron , remained in the Baltic , attempting to blockade Prussian ports on the Baltic until ordered to return to Cherbourg on 16 September .

On 1 August 1873 Jeanne d 'Arc was in Málaga , Spain and departed later that day bound for Cadiz . In 1875 she accidentally rammed and sank the dispatch vessel Forfait . On 3 December 1875 she became the flagship of Rear Admiral Bonie , but was placed in reserve on 1 January 1876 at Brest . Jeanne d 'Arc was recommissioned on 12 April 1879 for service with the Levant Squadron . She was condemned on 28 August 1883 and nothing further is known of her fate .