

= USS Concord (PG @-@ 3) =

USS Concord (Gunboat No. 3 / PG @-@ 3) was a member of the Yorktown class of steel @-@ hulled , twin @-@ screw gunboats in the United States Navy in the late 19th and early 20th centuries . She was the second U.S. Navy ship named in honor of the town of Concord , Massachusetts , site of the Battle of Concord in the American Revolutionary War .

The contract to build Concord was awarded to N. F. Palmer & Co. of Philadelphia in the 1888 fiscal year . Her hull was subcontracted to the Delaware River Iron Shipbuilding & Engine Works which laid down her keel in May 1888 . Concord was launched in March 1890 . She was just over 244 feet (74 m) long and 36 feet (11 m) abeam and displaced 1 @,@ 710 long tons (1 @,@ 740 t) . She was equipped with two steam engines which were supplemented with three schooner @-@ rigged masts . The ship 's main battery consisted of six 6 @-@ inch (15 @.@ 2 cm) guns and was augmented by an assortment of smaller caliber guns .

After her 1891 commissioning , Concord spent the next few years sailing along the East Coast , in the West Indies , and in the Gulf of Mexico . Concord cruised on the Asiatic Station ? interrupted only by a short stint on the Alaskan sealing patrol ? from 1893 until May 1896 , when she began a year out of commission at San Francisco . In January 1898 , Concord returned to the Asiatic Station , and joined Admiral George Dewey 's fleet for 1 May 1898 Battle of Manila Bay , a decisive American victory over the Spanish Fleet in the Spanish ? American War . After the battle , Concord supported United States Army operations in the Philippines in the Philippine ? American War . For the rest of her active career , Concord patrolled off the Mexican and Alaskan coasts and served on the Yangtze Patrol . She was decommissioned in 1909 and served as a barracks ship until 1914 , and as a quarantine ship at Astoria , Oregon for the Public Health Service until 1929 , at which time she was returned to the Navy and sold .

= = Design and construction = =

The Yorktown class gunboats ? unofficially considered third @-@ class cruisers ? were the product of a United States Navy design attempt to produce compact ships with good sea @-@ keeping abilities and , yet , able to carry a heavy battery . Concord was authorized in the 1888 fiscal year , and the contract for her construction was awarded to N. F. Palmer & Co. of Chester , Pennsylvania . The hull for Concord was sublet by Palmer to the Delaware River Iron Shipbuilding & Engine Works and built to the Navy 's Bureau of Construction and Repair design . The mechanical design was patterned after the layout for older sister ship Yorktown developed by William Cramp & Sons .

Concord 's keel was laid down in May 1888 , and the ship was launched on 8 March 1890 , sponsored by Minnie Darlington Coates , the daughter of Major Joseph R. T. Coates , the mayor of Chester . Among those in attendance at the launch ceremony was sculptor Daniel Chester French .

= = = Layout = = =

As built , Concord was 244 feet 5 inches (74 @.@ 50 m) in length and 36 feet (11 m) abeam . Her steel hull had an average draft of 14 feet (4 m) , which was expected to give her the ability to escape from larger ships into shallow water . At the waterline was a turtleback deck of ? -inch (9 @.@ 5 mm) steel that formed a watertight seal over the lower spaces . The deck had a crown at the level of the waterline and curved downwards to 3 feet (0 @.@ 91 m) below the waterline at the sides of the ship . Below this armored deck were twelve compartments separated by watertight bulkheads ; the spaces above were equipped with watertight doors intended to be closed during battle .

Above the armored deck , Concord had forecastle and poop decks with an open gun deck that spanned the length of the ship between them . The conning tower was located forward on the forecastle deck and was oval @-@ shaped to deflect shot . It was outfitted with a steam @-@ powered steering wheel , a telegraph , and speaking tubes ; it was protected by 2 inches (51 mm) of steel armor plate .

== Propulsion ==

Concord was powered by two triple @-@ expansion steam engines which each drove one of the pair of 10 @. @ 5 @-@ foot (3 @. @ 2 m) , three @-@ bladed screw propellers . The cylinders of each engine were 22 , 31 , and 51 inches (56 , 79 , and 130 cm) in diameter and had a 30 @-@ inch (76 cm) stroke . Each engine was rated at 3 @, @ 400 indicated horsepower (2 @, @ 500 kW) and together were designed to move the ship at 16 knots (30 km / h) , though the ship exceeded that in her trials .

The engines , situated in separate watertight compartments , were each fed by a pair of coal @-@ fired boilers . Each boiler was horizontally mounted and was 9 feet 6 inches (2 @. @ 90 m) in diameter and 17 feet 6 inches (5 @. @ 33 m) in length with a total grate area of 220 square inches (1 @, @ 400 cm²) . Concord 's coal bunkers could carry up to 400 long tons (410 t) of the fuel , and were shielded from " shot and shell " . At a near top @-@ speed of 16 knots , the ship could cover 2 @, @ 800 nautical miles (5 @, @ 200 km) in 6 ½ days ; at the more economical speed of 8 knots (15 km / h) she could cruise 12 @, @ 000 nautical miles (22 @, @ 000 km) over 62 days .

To supplement her steam power plant , Concord was built with three masts that were schooner @-@ rigged . She had a total sail area of 6 @, @ 300 square feet (590 m²) . The steam and sail combination was expected to allow Concord to remain at sea for months at a time during wartime .

== Armament ==

Concord 's main battery consisted of six 6 @-@ inch (152 mm) / 30 caliber Mark 3 guns , with each gun weighing in excess of 11 @, @ 000 pounds (5 @, @ 000 kg) . Two were mounted on the forecastle deck , two on the poop deck , and the other pair amidships on the gun deck . The two guns on the gun deck were mounted 10 feet (3 @. @ 0 m) above the waterline , while the other four were 18 feet (5 @. @ 5 m) above . The guns fired 105 @-@ pound (48 kg) armor @-@ piercing projectiles with a propellant charge weighing 18 @. @ 8 pounds (8 @. @ 5 kg) at 1 @, @ 950 feet per second (590 m / s) . At an elevation of 30 @. @ 2 ° , the guns had a range of 18 @, @ 000 yards (16 @, @ 000 m) . Each gun was shielded with steel plating 3 inches (76 mm) thick .

Concord 's secondary battery consisted of two 6 @-@ pounder (57 mm (2 @. @ 24 in)) guns , two 3 @-@ pounder (47 mm (1 @. @ 85 in)) guns , and two 1 @-@ pounder (37 mm (1 @. @ 46 in)) guns . All were based on designs of the French arms company Hotchkiss . According to a 1902 Bureau of Ordnance publication , an armor @-@ piercing round fired from a 6 @-@ pounder gun could penetrate 2 inches (51 mm) of armor at a distance of 1 @, @ 000 yards (910 m) .

== Career ==

USS Concord (PG @-@ 3) was commissioned on 14 February 1891 under the command of Commander O. A. Batcheller . Concord operated on the coast of New England , and sailed from New York City on 17 November 1891 on a cruise to the West Indies and South America with her squadron , then arrived at New Orleans , Louisiana , on 27 April 1892 and cruised up the Mississippi River as far as Cairo , Illinois , visiting various ports en route .

Returning to New York on 13 June 1892 , Concord made another cruise to the West Indies late that year , and arrived back at Norfolk , Virginia , on 5 December . She participated in International Naval Review held at Norfolk and New York in March and April 1893 , and in June sailed from Norfolk for the Far East , calling at the Azores , Gibraltar , Malta , Port Said , Bangkok , and Saigon before arriving at Hong Kong on 30 October . She cruised on the Asiatic Station until 29 May 1894 when she arrived at Unalaska . She cruised on sealing patrol in the North Pacific to carry out the provisions of the treaty between the United States and United Kingdom , which empowered Concord to seize any vessel violating the laws protecting valuable fur seals . She gathered hydrographic information to correct Bering Sea charts and conduct scientific observations of the fur seals .

Concord returned to the Asiatic Station in September 1894 and continued to serve in the Far East

until returning to San Francisco on 3 May 1896 . She was placed out of commission for repairs between 27 May 1896 and 22 May 1897 . After a cruise to Alaskan waters 1 July ? 29 November , she sailed from Mare Island 8 January 1898 for the Asiatic Station . With the declaration of war between Spain and the United States in April , Concord joined Admiral George Dewey 's squadron at Mirs Bay near Hong Kong on the 24th and sailed for the Philippines . On 1 May , Concord participated in the Battle of Manila Bay that resulted in American control of the Philippines .

Concord resumed her patrol on station in August 1898 , but returned to the Philippines on 19 December to assist in putting down the insurrection . Her duty consisted of patrolling the coast to restrict insurgent movements and shipping ; bombarding various strongholds ; and aiding United States Army operations . Except for a voyage to Guam in March 1900 to deliver stores , and a brief voyage to Hong Kong for repairs , Concord remained in Philippine waters until June 1901 , when she sailed by way of Alaskan waters to San Francisco , arriving 28 September 1901 . She cruised with the Fleet in Mexican waters , then went out of commission on 26 February 1902 at Mare Island .

Recommissioned on 15 June 1903 Concord operated along the North American coast from Alaska to Panama and to Hawaii and Alaska until decommissioned at Bremerton , Washington , on 25 August 1904 . Concord was commissioned again on 16 September 1905 and sailed from Bremerton on 24 December 1905 for operations in the Philippines . Remaining there until March 1906 , Concord sailed to China . Until 1908 she remained in the Far East serving at times on the Yangtze Patrol and as station ship at Shanghai and Canton .

Concord served as station ship at Guam from 2 January to 10 September 1909 , then sailed to Puget Sound Navy Yard where she arrived on 11 October . She was decommissioned for the final time on 4 November 1909 , and assigned as barracks ship for the Washington Naval Militia at Seattle . She was transferred to the Public Health Service of the Treasury Department on 15 June 1914 and served as a stationary quarantine barge at Astoria , Oregon . Returned to naval custody on 19 March 1929 , she was sold on 28 June 1929 .

In August 1915 two of the Concord 's six 6-inch guns were placed in the War Garden of Woodland Park , Seattle , WA . The Seattle Times of 15 August stated : " Two six 6-inch guns from the United States cruiser Concord which saw active service at the battle of Manila , yesterday afternoon were brought to Seattle from Bremerton under the direction of the United Spanish War Veterans , to be mounted in Woodland Park in the near future . W. S. F. Quick , chairman of the board of managers of the United Spanish War Veterans Club of Seattle , yesterday signed a receipt for government property valued at \$ 18 000 , which gives the local veterans practical possession of the pieces from now on . The two guns when mounted will be known as Battery Dewey . " These guns are today near the Woodland Park Zoo in the Phinney Ridge neighborhood of Seattle .