

= Russian monitor Perun =

Perun (Russian : ?????) was an Uragan @-@ class monitor built for the Imperial Russian Navy in the mid @-@ 1860s . The design was based on the American Passaic @-@ class monitor , but was modified to suit Russian engines , guns and construction techniques . Spending her entire career with the Baltic Fleet , the ship was only active when the Gulf of Finland was not frozen , but very little is known about her service . Perun was struck from the Navy List in 1900 and became a pilot ship . Renamed Lotsiia (Pilot) in 1915 , the ship was damaged during the Kronstadt rebellion of 1921 and laid up afterwards . She was run aground by a flood three years later and then her wreck was scrapped .

= = Description = =

Perun was 201 feet (61 @.@ 3 m) long overall , with a beam of 46 feet (14 @.@ 0 m) and a draft of 10 @.@ 16 ? 10 @.@ 84 feet (3 @.@ 1 ? 3 @.@ 3 m) . She displaced 1 @,@ 500 ? 1 @,@ 600 long tons (1 @,@ 524 ? 1 @,@ 626 t) , and her crew numbered 8 officers and 88 enlisted men in 1865 . They numbered 10 officers and 100 crewmen 12 years later .

The ship was fitted with a two @-@ cylinder , horizontal direct @-@ acting steam engine built by Carr and MacPherson of Saint Petersburg . It drove a single propeller using steam that was provided by two rectangular boilers . Specific information on the output of the ship 's engine has not survived , but it ranged between 340 ? 500 indicated horsepower (254 ? 373 kW) for all the ships of this class . During Perun 's sea trials on 16 August 1865 , she reached a maximum speed of 6 @.@ 75 knots (12 @.@ 50 km / h ; 7 @.@ 77 mph) . She carried a maximum of 190 long tons (193 t) of coal , which gave her a theoretical endurance of 1 @,@ 440 nmi (2 @,@ 670 km ; 1 @,@ 660 mi) at 6 knots (11 km / h ; 6 @.@ 9 mph) .

Perun was designed to be armed with a pair of nine @-@ inch (229 mm) smoothbore muzzle @-@ loading guns purchased from Krupp of Germany and rifled in Russia , but the rifling project was seriously delayed and the ship was completed with nine @-@ inch smoothbores . These lacked the penetration power necessary to deal with ironclads and they were replaced by license @-@ built fifteen @-@ inch (380 mm) smoothbore muzzle @-@ loading Rodman guns in 1867 ? 68 . The Rodman guns were replaced around 1876 with the originally intended nine @-@ inch rifled guns .

All of the wrought @-@ iron armor that was used in the Uragan @-@ class monitors was in 1 @-@ inch (25 mm) plates , just as in the Passaic @-@ class ships . The side of the ship was entirely covered with three to five layers of armor plates , of which the three innermost plates extended 42 inches (1 @.@ 1 m) below the waterline . This armor was backed by a wooden beam that had a maximum thickness of 36 inches (914 mm) . The gun turret was protected by eleven layers of armor and the pilothouse above it had eight layers of armor . Curved plates six layers thick protected the base of the funnel up to a height of 7 feet (2 @.@ 1 m) above the deck . Unlike their predecessors , the Uragans were built without deck armor to save weight .

= = Career = =

Construction of the ship began on 7 September 1863 at the Semiannikov & Poletika Shipyard in Saint Petersburg . Perun was laid down on 15 December 1863 and she was launched on 30 June 1864 . She entered service on 1 September 1865 and cost a total of 1 @,@ 142 @,@ 700 rubles , almost double her contract cost of 600 @,@ 000 rubles . The ship was assigned to the Baltic Fleet upon completion and she , and all of her sister ships except Latnik , made a port visit to Stockholm , Sweden in July ? August 1865 while under the command of General Admiral Grand Duke Konstantin Nikolayevich . She was present when the American warships Miantonomoh and Augusta visited Kronstadt in July ? August 1866 .

Sometime after Perun was completed , an armored ring , 5 inches (127 mm) thick and 15 inches (381 mm) tall , was fitted around the base of the turret to prevent splinters from jamming it . Later , an armored , outward @-@ curving bulwark was fitted around the top of the turret to protect any

crewmen there . Three sponsons were later added , probably during the 1870s , to the upper portion of the turret . Each sponson , one above the gun ports and one on each side of the turret , mounted a light gun , probably a 1 @. @ 75 @- @ inch (44 mm) Engstrom gun , for defense against torpedo boats . A fourth gun was mounted on a platform aft of the funnel when a hurricane deck was built between the funnel and the turret , also probably during the 1870s .

Little is known about the ship 's career other than that she was laid up each winter when the Gulf of Finland froze . On 18 July 1875 , she was accidentally rammed by the ironclad Admiral Chichagov , but only suffered minor damage . Perun was reclassified as a coast defense ironclad on 13 February 1892 and turned over to the Port of Kronstadt for disposal on 6 July 1900 , although she was not stricken until 17 August . After she was stricken she was used as a pilot ship before being renamed Lotsiia (Pilot) in 1915 . During the 1921 Kronstadt rebellion , the ship was struck by artillery fire . She was laid up after the resulting fire badly damaged her . During a flood on 23 September 1924 , Lotsiia ran aground and was subsequently broken up for scrap .