

= HMS Cochrane (1905) =

HMS Cochrane was a Warrior @-@ class armoured cruiser built for the Royal Navy in the first decade of the 20th century . She served in the 2nd Cruiser Squadron during the First World War under Rear @-@ Admiral Herbert Heath , taking part in the Battle of Jutland in 1916 . She was based in Murmansk in mid @-@ 1918 during the Allied intervention in the Russian Civil War . She became stranded in the River Mersey on 14 November 1918 and broke in two . The wreck was broken up in place by June 1919 .

= = Description = =

Cochrane displaced 13 @, @ 550 long tons (13 @, @ 770 t) as built and 14 @, @ 500 long tons (14 @, @ 700 t) fully loaded , with a length of 505 feet 4 inches (154 @. @ 0 m) , a beam of 73 feet 6 inches (22 @. @ 4 m) and a draft of 27 feet 6 inches (8 @. @ 4 m) . She was powered by four @-@ cylinder triple @-@ expansion steam engines , driving two shafts , which developed a total of 23 @, @ 650 indicated horsepower (17 @, @ 640 kW) and gave a maximum speed of 23 @. @ 3 knots (43 @. @ 2 km / h ; 26 @. @ 8 mph) . The engines were powered by 19 Yarrow water @-@ tube boilers and six cylindrical boilers . The ship carried a maximum of 2 @, @ 050 long tons (2 @, @ 080 t) of coal and an additional 600 long tons (610 t) of fuel oil that was sprayed on the coal to increase its burn rate . At full capacity , she could steam for 7 @, @ 960 nautical miles (14 @, @ 740 km ; 9 @, @ 160 mi) at a speed of 10 knots (19 km / h ; 12 mph) .

Her main armament consisted of six BL 9 @. @ 2 @-@ inch (234 mm) Mark X guns in single Mk V turrets distributed in two centerline turrets (one each fore and one aft) and four turrets disposed in the corners about the funnels . Her secondary armament of four BL 7 @. @ 5 @-@ inch (191 mm) Mark II or Mark V guns in single Mk II turrets was carried amidships , between the wing 9 @. @ 2 @-@ inch guns . Twenty @-@ six Vickers QF 3 pounders were fitted , ten on turret roofs and eight each on the forward and aft superstructures . The last four ships of the Duke of Edinburgh @-@ class cruisers had a secondary armament of turreted 7 @. @ 5 @-@ inch guns rather than the 6 @-@ inch (152 mm) guns in open barbettes of the first two ships ; these latter four were sometimes referred to as the Warrior class . Because of the extra topweight of the turrets in comparison to their half @-@ sisters their stability was reduced which made them very good seaboats and steady gun platforms .

= = = Wartime modifications = = =

A single Hotchkiss QF 6 @-@ pounder anti @-@ aircraft gun on a high @-@ angle Mark Ic mounting was mounted on the quarterdeck in 1915 . It had a maximum depression of 8 ° and a maximum elevation of 60 ° . The gun fired a 6 @-@ pound (2 @. @ 7 kg) shell at a muzzle velocity of 1 @, @ 765 ft / s (538 m / s) at a rate of fire of 20 rounds per minute . They had a maximum ceiling of 10 @, @ 000 ft (3 @, @ 000 m) , but an effective range of only 1 @, @ 200 yards (1 @, @ 100 m) . It was replaced by a QF 3 inch 20 cwt guns on a high @-@ angle Mark II mount in 1916 . This gun had a maximum depression of 10 ° and a maximum elevation of 90 ° . It fired a 12 @. @ 5 @-@ pound (5 @. @ 7 kg) shell at a muzzle velocity of 2 @, @ 500 ft / s (760 m / s) at a rate of 12 ? 14 rounds per minute . It had a maximum effective ceiling of 23 @, @ 500 ft (7 @, @ 200 m) . A pair of Vickers QF 3 pounder on HA Mark III mountings were probably installed amidships during 1915 ? 16 . They could elevate to + 80 ° and depress to -5 ° . This gun fired a 3 @. @ 3 @-@ pound (1 @. @ 5 kg) shell at a muzzle velocity of 2 @, @ 575 ft / s (785 m / s) at a rate of 25 rounds per minute . They had a maximum ceiling of 15 @, @ 000 ft (4 @, @ 600 m) , but an effective range of only 2 @, @ 000 yards (1 @, @ 800 m) .

The guns on top of ' A ' and ' Y ' turrets were removed in 1915 ? 16 . The aftermost 3 @-@ pounder guns on the superstructure were removed during 1917 as well as the guns on top of the forward 9 @. @ 2 @-@ inch wing turrets . This reduced her total to twenty 3 @-@ pounder guns , excluding the AA guns . Some of these guns were landed at Murmansk while she was based there .

Seventeen 3 @-@ pounders were on board when she was lost in 1919 , but it is unclear if that total includes the AA guns . Cochrane 's foremast was converted to a tripod mast to support the weight of a fire @-@ control director in 1917 , but the director was not actually fitted until August 1918 .

= = Service = =

Cochrane was laid down on 24 March 1904 and launched on 28 May 1905 at Fairfield Shipbuilding and Engineering , Govan , Scotland . The ship was commissioned with a nucleus crew on 18 February 1907 and cost £ 1 @, @ 193 @, @ 121 . She " joined the Nore Division of the Home Fleet on 6 March 1907 and shortly afterwards was brought into to full commission for service with the 5th Cruiser Squadron . On 1 April 1909 she recommissioned for service with the 2nd Cruiser Squadron with which she remained until September 1917 . " She escorted the Royal Yacht Medina in 1911 ? 12 . Cochrane , accompanied by her sister Achilles and three other armoured cruisers were sent to reinforce the defences of the Shetland Islands on 2 August 1914 , days before the start of the First World War . She , and her squadron , were assigned to the Grand Fleet for most of the First World War . She took part in the Battle of Jutland on 31 May ? 1 June 1916 , along with the cruisers Minotaur , Shannon , and Hampshire under the command of Rear @-@ Admiral Heath . However , the ship remained unengaged throughout the battle , and did not fire her 9 @. @ 2 or 7 @. @ 5 @-@ inch guns at all during the battle .

Cochrane was transferred to the North America and West Indies station in November 1917 , but rejoined the 2nd Cruiser Squadron early in 1918 . She was based in Murmansk between March and September 1918 during the Allied intervention in the Russian Civil War . She ferried Soviet troops to Pechenga on 3 May to forestall an attempt by White Finns to seize the town . On 14 November 1918 she was stranded in the Mersey Estuary , while under the control of the pilot , and later broke in two , becoming a total loss . The wreck had been broken up in situ by June 1919 .