

## Architectural Four-Glass Eureka Clock, c.1910



Dating from c.1910, this is certainly the grandest and arguably the most attractive model of electric mantel clock by The Eureka Clock Company. They are mesmeric to watch. The electromagnetic movement is regulated by a large, slowly oscillating bi-metallic balance wheel.

The brass four glass case has an architectural pediment and stepped base. An applied ormolu mount to the front of the pediment depicts two gryphons drinking from a fountain over reeded uprights. All sides are fitted with beveled glasses, including the hinged doors to the front and rear. The base conceals the battery regulator unit, which houses the four 'C' cell batteries which drive the mechanism.

The perfect 4-inch white enamel dial is signed EUREKA CLOCK CO. LTD/LONDON with blued steel spade hands.

The movement is stamped NO. 7983/PATENT NO 14614/1906. The wheel rotates back and forth through 270°, making these clocks fascinating to watch.

Designed in America, the Eureka Clock Company in London, England made these clocks between 1908 and 1914 and it is thought that around 10,000 were made by them before their demise in 1914. The design of the balance is such that a constant voltage (of c.1.5 volts) is required to ensure consistency in the amplitude of oscillation. Unfortunately early 20th century battery technology struggled to deliver a suitably stable output hence such timepieces acquired a reputation for poor timekeeping. Nowadays, good timekeeping can be achieved through the use of regulated cells which provide a much more consistent voltage output.

Height: 15 inches (38 cms)

Width: 8 inches

Depth:6 inches

The clock is yet to be overhauled, although it works very well. We shall be servicing it onsite and it will be sold with a three-year guarantee. There are options to polish and lacquer the brasswork of the case, or else to gold-plate it; we are happy to discuss the additional cost of doing so.

Price includes delivery within mainland UK.

We have a similarly styled French striking mantel clock also in stock:



A Four-glass clock by Vincenti for Maple & Co., dated c.1860