



Very Large Béranger Cast Iron Scale In Lyon With A Capacity Of 60 Kg, 19th Century



860 EUR

Signature : Béranger

Period : 19th century

Condition : Très bon état

Material : Cast iron

Length : 96,8 cm

Width : 38,9 cm

Diameter : 40 cm

Height : 19,5 cm

Description

Very large pendulum scale almost 1 meter long in cast iron from Béranger in Lyon, 19th time
Capacity of 60 kg Eventful shape with its original trays in punched and very thick brass Very good general condition Works perfectly Its interior system is in iron L The balance of the weighing machine is decorated with fantastic birds in bronze Brand below: Béranger et Cie à Lyon
Large simplified pendulum-scale, Béranger brand (dated to around 1856-1857) Very original and truly splendid scale Rare object on the market
Brushed and waxed The cast iron has kept its original dark green patina which is very rare
Trays in perfect condition Very precise scale h: 19.5 cm long: 96.8 cm width: 38.9 cm d trays: 40 cm plate thickness: 3.5 cm For info: Principle of Béranger pendulum scales: the main beam is with

Dealer

Le Psyché d'Antan

Antiquaire généraliste

Tel : 05 53 71 86 42

Mobile : 06 82 47 25 03

Chamouleau - 711 route de l'église

Trentels 47140

equal arms, connected to two symmetrical auxiliary levers located below and called "transmissions". Each basin is supported both by one end of the beam and by one end of the homologous transmission and remains horizontal thanks to a judicious calculation of the ratio between the lever arms. This is the first equal-arm balance system with compound beams invented to overcome the faults of the Roberval. The first patent was issued on July 14, 1845 to the great Lyonnais builder Joseph Béranger. Thereafter this system knew 2 variants and obtained 5 admissions: - pendulum balance (27/03/1848), - simplified pendulum balance (08/09/1854), - low balance Catenot-Béranger (24/05/1864) , - simplified Béranger balance (Trayvou) called "knife" (17/04/1889), - Béranger balance with four supports (09/05/1902). The litters sold generally range between 1 kg and 60 kg. Most models are flail with two parallel arms. The original pendulum scales are mounted on a closed box. Simplified pendulum scales are most often open-based, made of cast iron (straight or violin shape). The balance index has horizontal lugs facing each other in the shape of birds or chimeras attached to the pelvis supports. Wide and stable, these scales were appreciated for high capacities. The original pendulum scales were frequently used in shops as prestige counter scales thanks to the existence of luxury models. Simplified open-based pendulum scales were intended more for markets.