

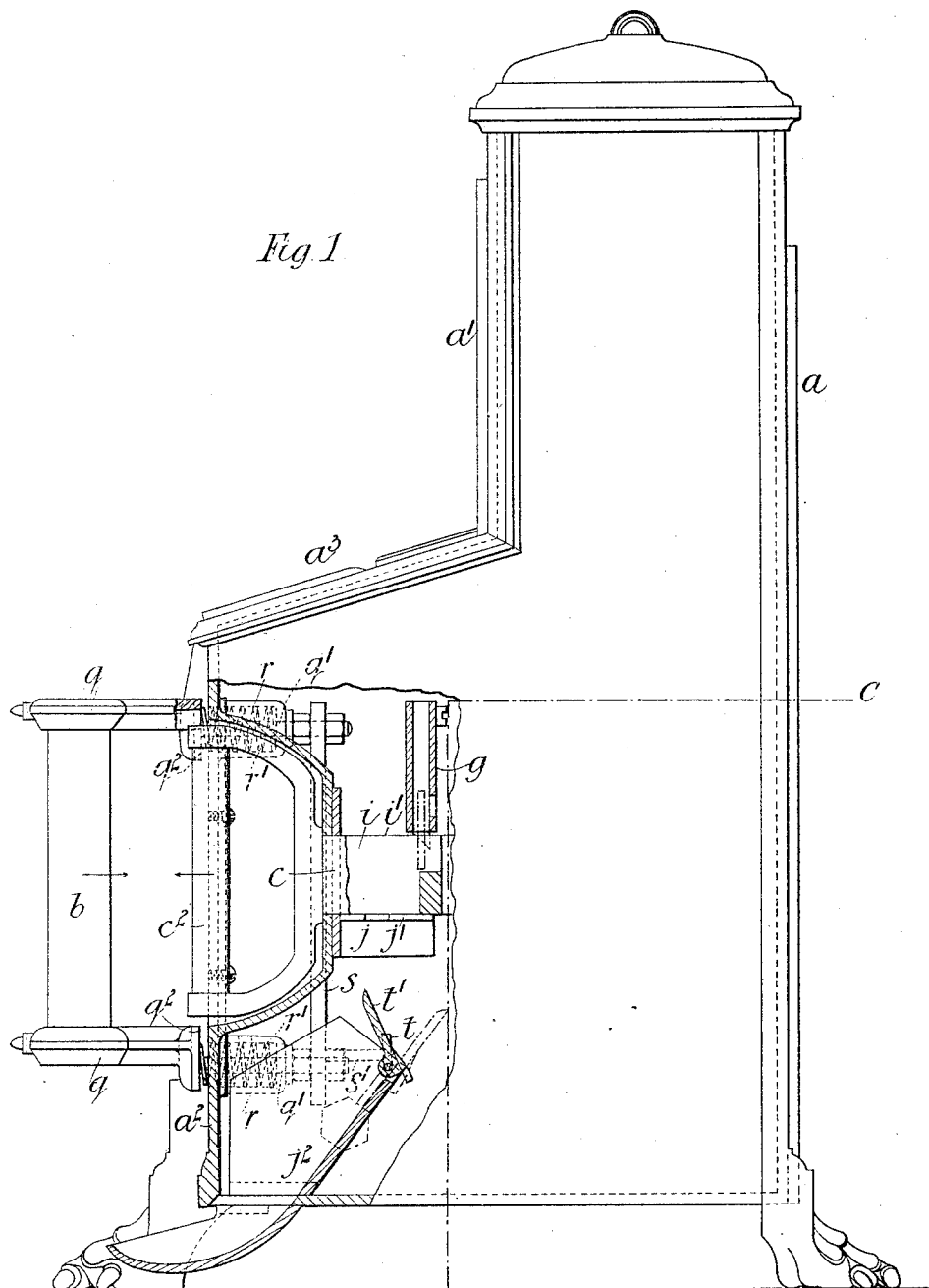
(No Model.)

2 Sheets—Sheet 1.

C. A. & A. BARRETT.
COIN FREED DYNAMOMETER.

No. 459,062.

Patented Sept. 8, 1891.



Witnesses
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John Currier

Inventors.
Charles Arthur Barrett,
and
Alfred Barrett
By
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Attorneys.

(No Model.)

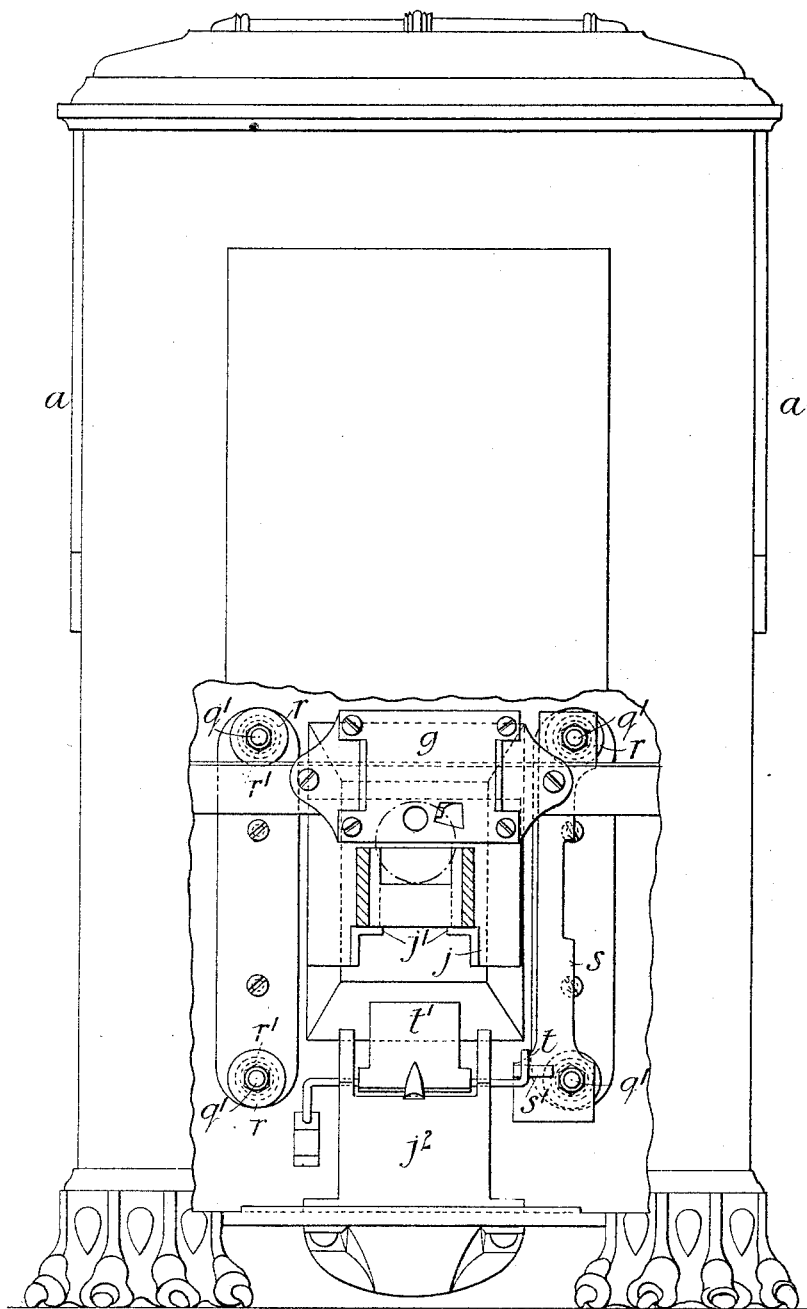
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Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES ARTHUR BARRETT AND ALFRED BARRETT, OF LONDON, ENGLAND.

COIN-FREED DYNAMOMETER.

SPECIFICATION forming part of Letters Patent No. 459,062, dated September 8, 1891.

Application filed June 26, 1891. Serial No. 397,630. (No model.) Patented in England February 14, 1890, No. 2,452; in Victoria September 6, 1890, No. 8,050; in South Australia September 9, 1890, No. 1,703; in New South Wales September 9, 1890, No. 2,468, and in New Zealand September 22, 1890, No. 4,615.

To all whom it may concern:

Be it known that we, CHARLES ARTHUR BARRETT and ALFRED BARRETT, subjects of the Queen of Great Britain, residing at London, England, have jointly invented new and useful Improvements in Automatic or Coin-Freed Dynamometers or Muscular-Power-Testing Machines, (for which we have obtained patents in the following countries, viz: in Great Britain February 14, 1890, No. 2,452; in Victoria September 6, 1890, No. 8,050; in South Australia September 9, 1890, No. 1,703; in New South Wales September 9, 1890, No. 2,468, and in New Zealand September 22, 1890, No. 4,615,) of which the following is a specification.

Our present invention relates to improvements in the automatic or coin-freed dynamometer or muscular-power-testing machine for which a patent was granted to us dated May 19, 1891, No. 452,688, the object being to provide means whereby, if the machine be used as a pulling-machine, the return of the coin to the operator will be rendered practically impossible.

In the accompanying drawings, Figure 1 is a side elevation, partly in section, of such an automatic or coin-freed dynamometer or muscular-power-testing machine embodying our present improvements; and Fig. 2 is a rear elevation of the same, partly in section, the section being taken on the line C C of Fig. 1.

Similar letters in both the figures indicate similar parts.

According to our present invention we provide the brackets $q\ q$, to which the handle b is fixed, with pins $q'\ q'$, extending into the interior of the apparatus. The pins $q'\ q'$ pass through and slide in sockets $r\ r$, in which are located springs $r'\ r'$, the said springs bearing at one end against the ends of the sockets r

r and at the other end against the faces $q^2\ q^2$ on the brackets $q\ q$. Two of the pins $q'\ q'$ are connected together inside the apparatus by a bar s , provided with a projection s' , against which bears an arm t , attached to a flap t' , hinged in the chute j^2 , the said flap being weighted to cause the arm t to bear against the said projection. The flap t' is normally arranged at such an angle beneath the front extremity of the edges $j'\ j'$ of the bracket j that if the handle c^2 be pulled without at the same time gripping the handle b the coin, if moved to the said front extremity of the edges $j'\ j'$, will be diverted from the chute j^2 into the money-drawer; but if the handle b be gripped together with the handle c^2 the former will be caused to compress the springs $r'\ r'$ and move the arm t , and thereby move the flap t' out of the way of the coin, as shown by the dotted lines in Fig. 1, which will then be free to pass through the chute j^2 if a sufficient strength of grip be exerted.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is—

In a coin-freed dynamometer adapted for testing the power of a hand-grip, the combination, with the handle b , bracket j , and coin-receiving chute j^2 , of the spring-extensions q' on the handle-bracket q , the bar s , carrying the projection s' , and the weighted flap t' , hinged to the chute j^2 , operating in the manner and for the purpose set forth.

CHARLES ARTHUR BARRETT.
ALFRED BARRETT.

Witnesses:

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