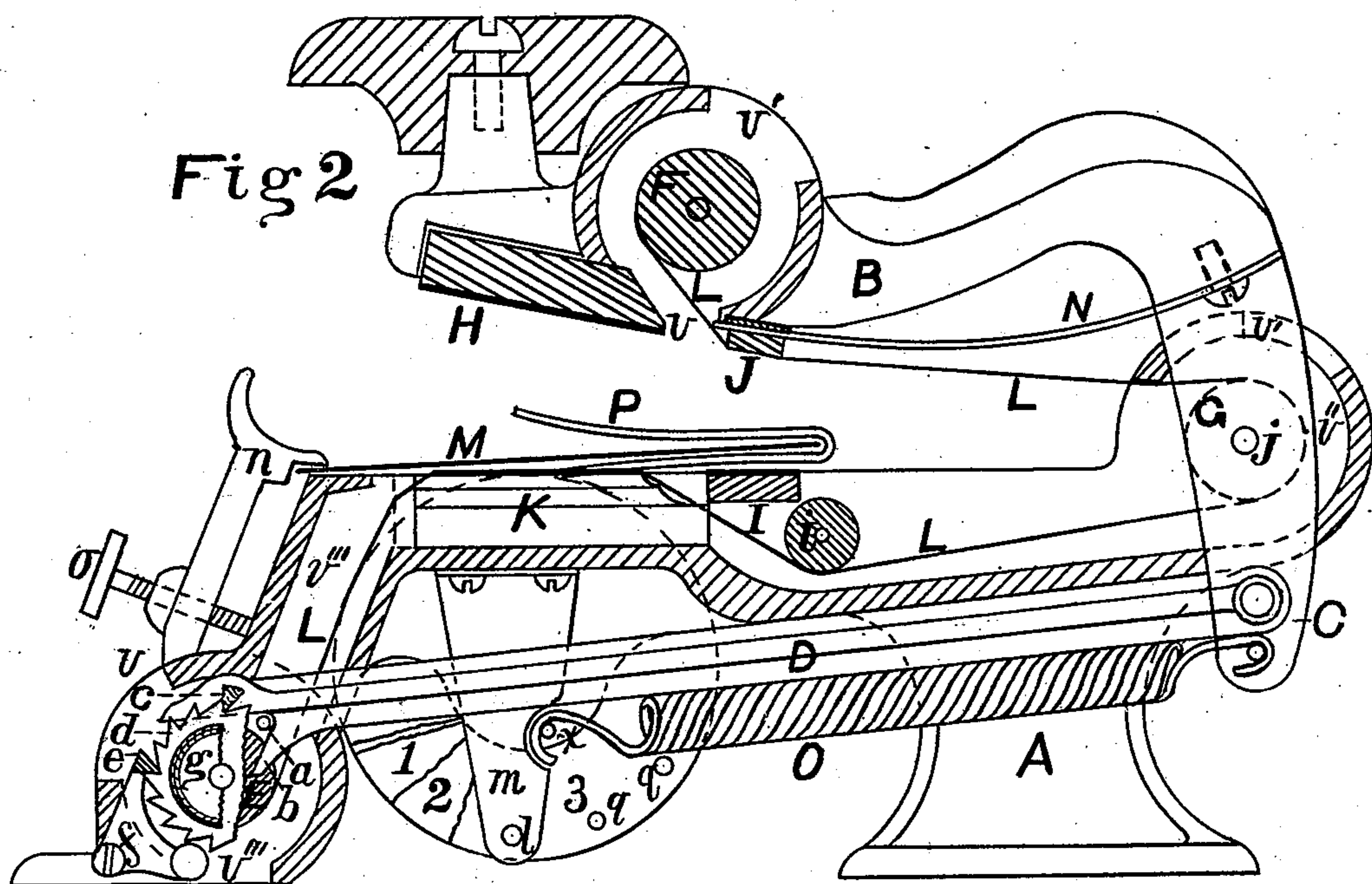
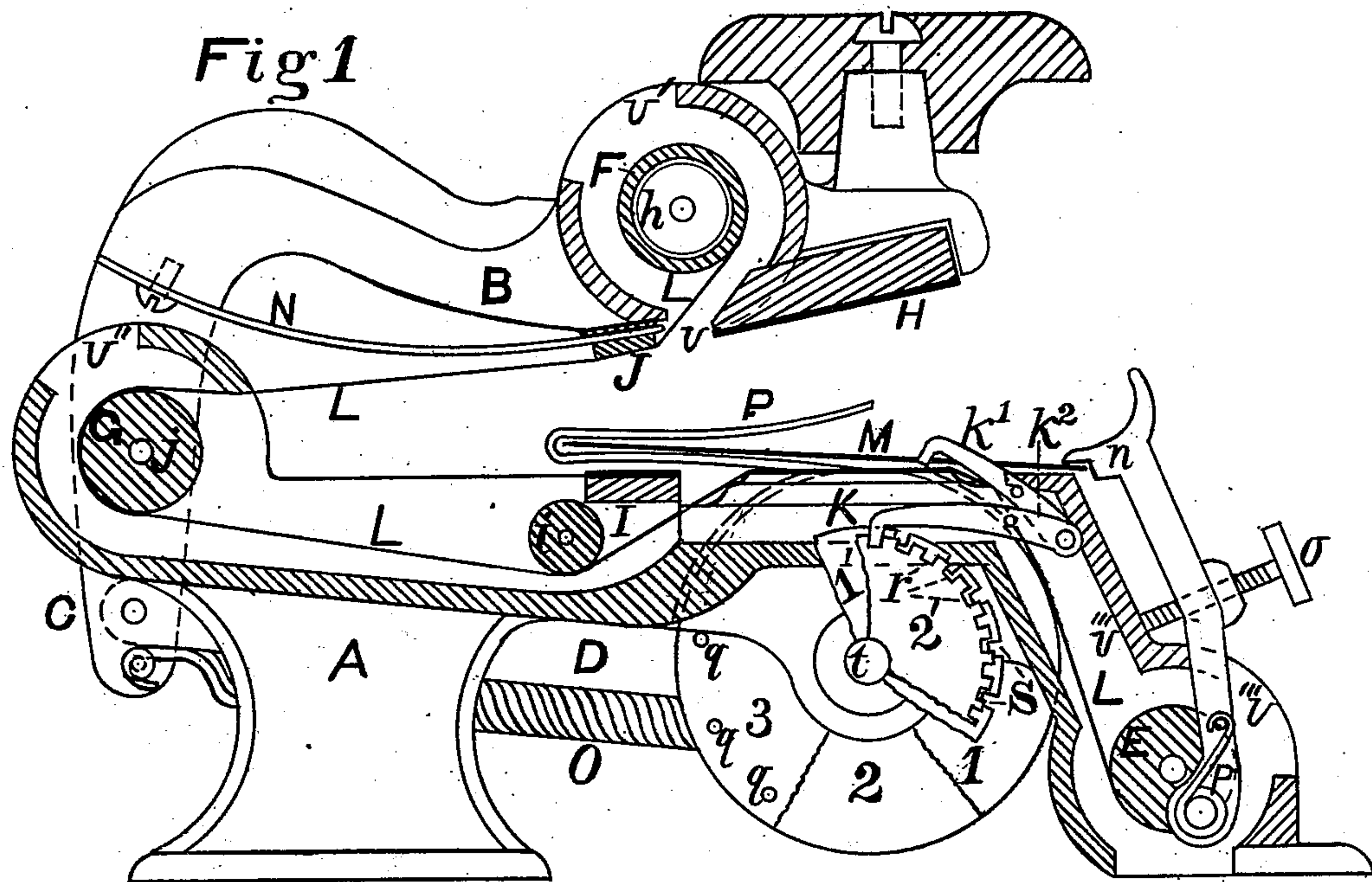


W. H. POOLE & D. BOWES.  
Hand-Stamp.

No. 227,295.

Patented May 4, 1880.



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Fig 3

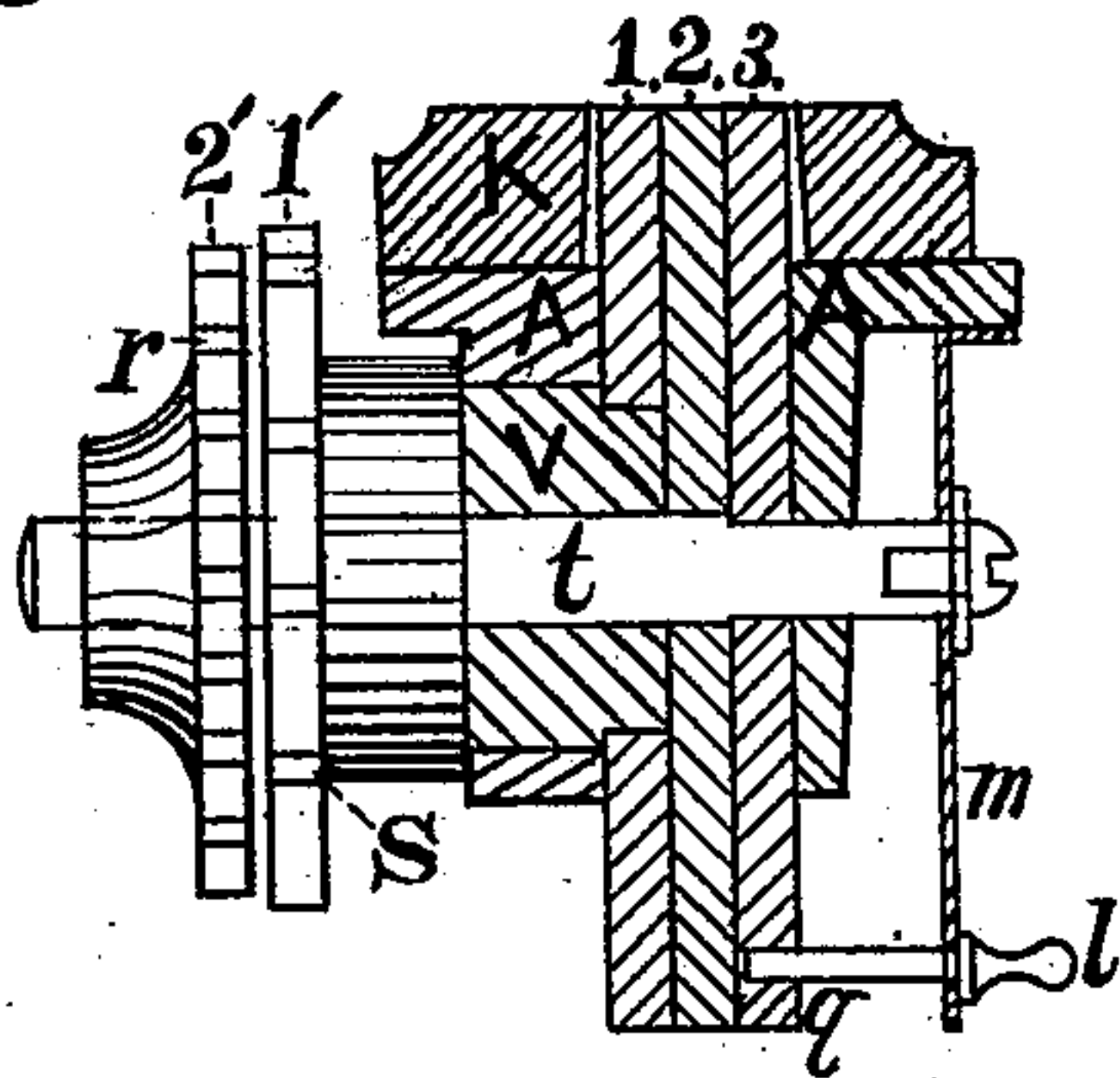


Fig 4

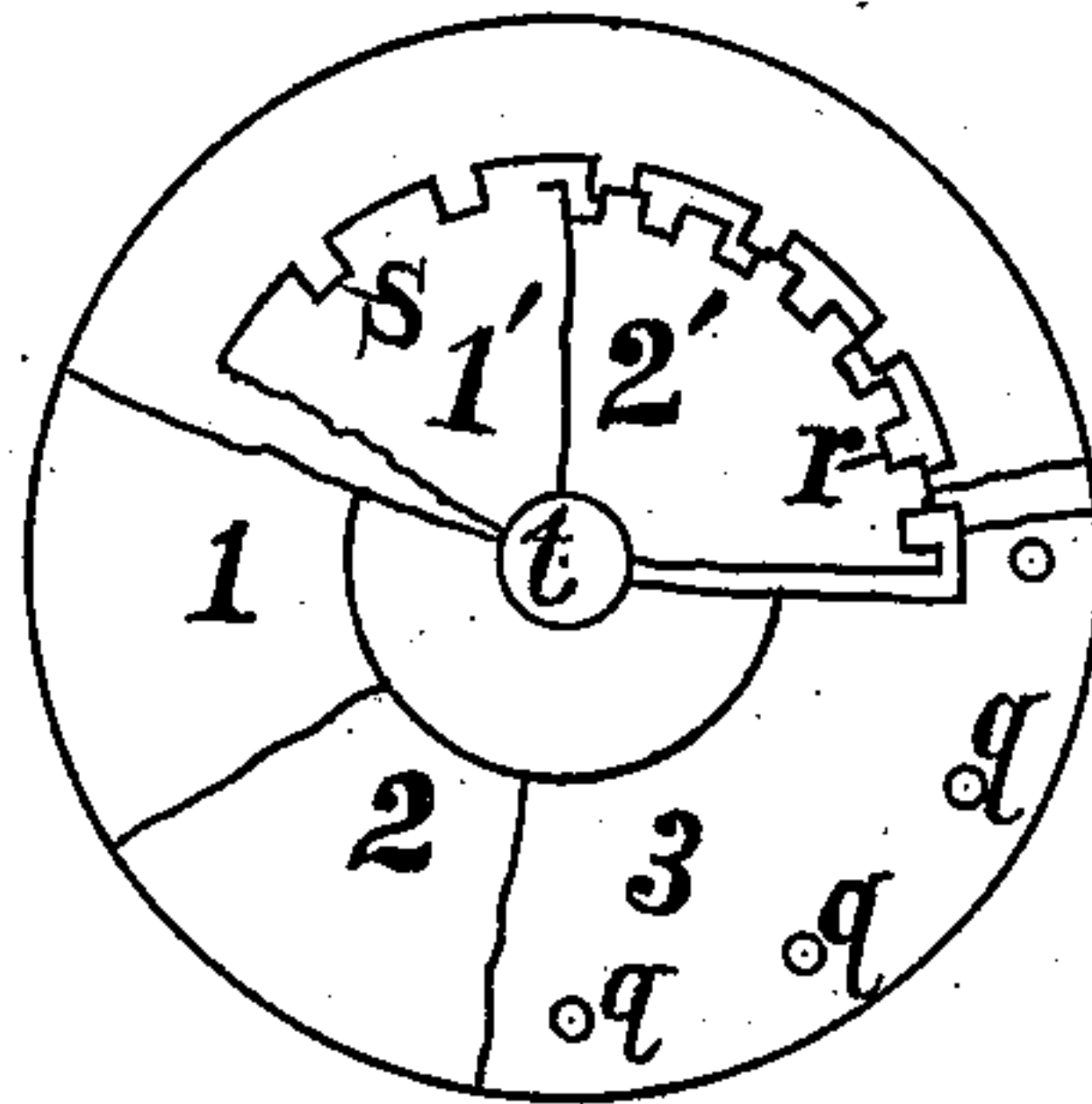


Fig 5

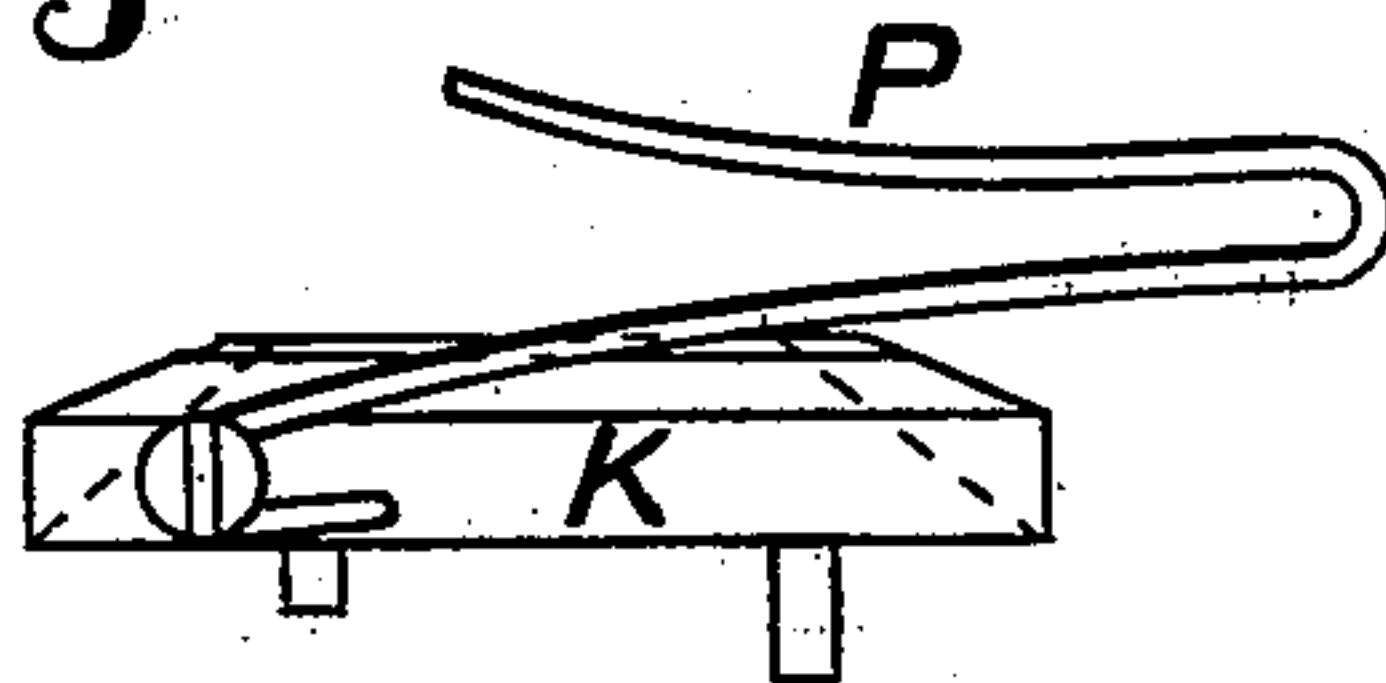


Fig 7

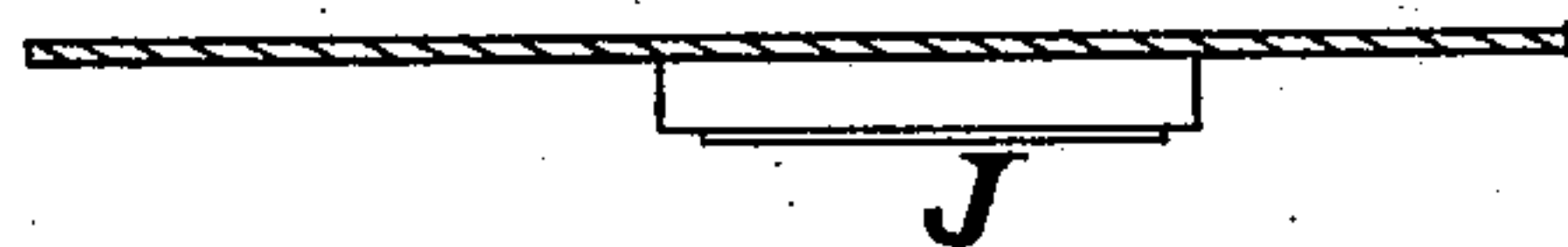


Fig 6

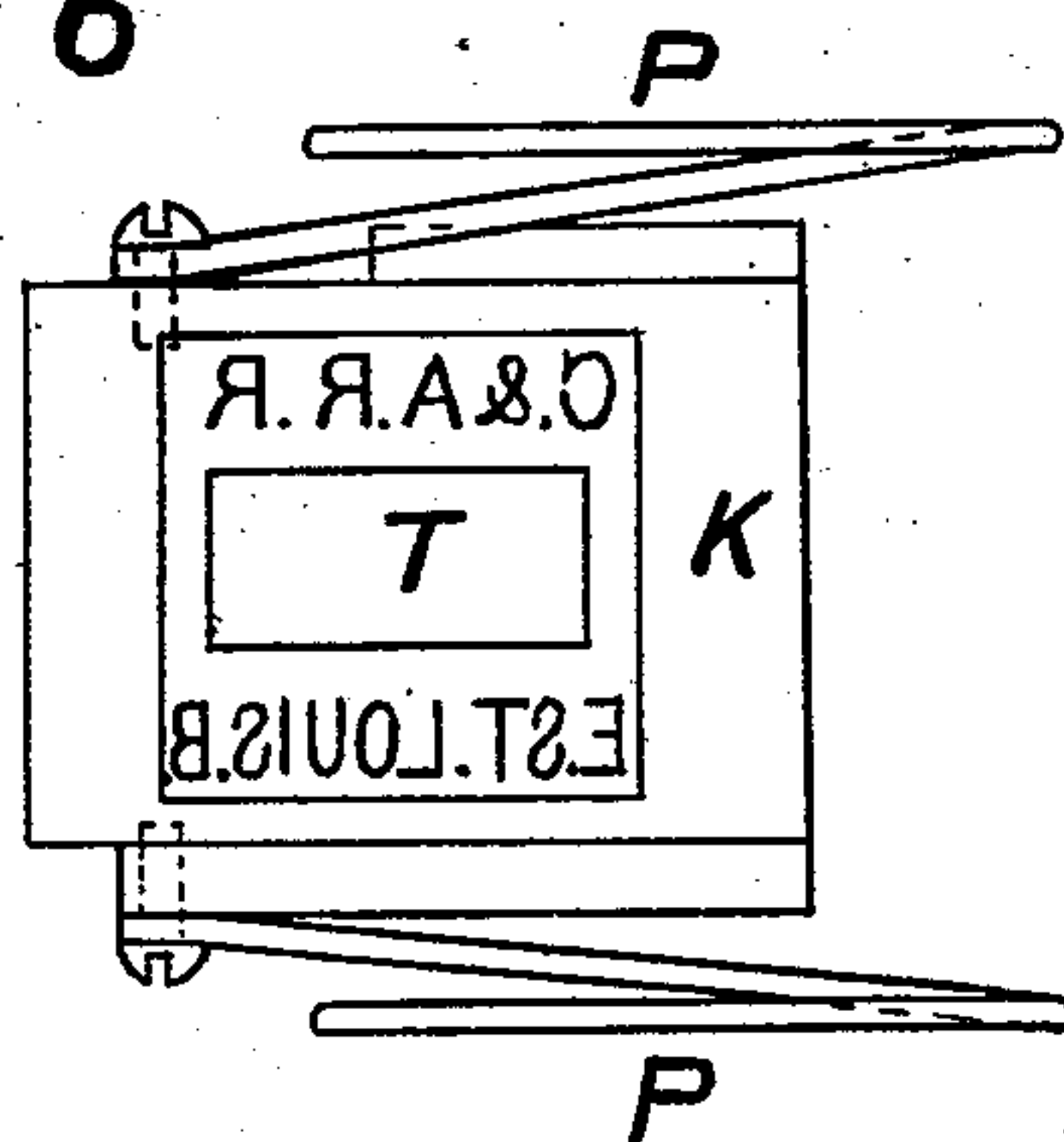
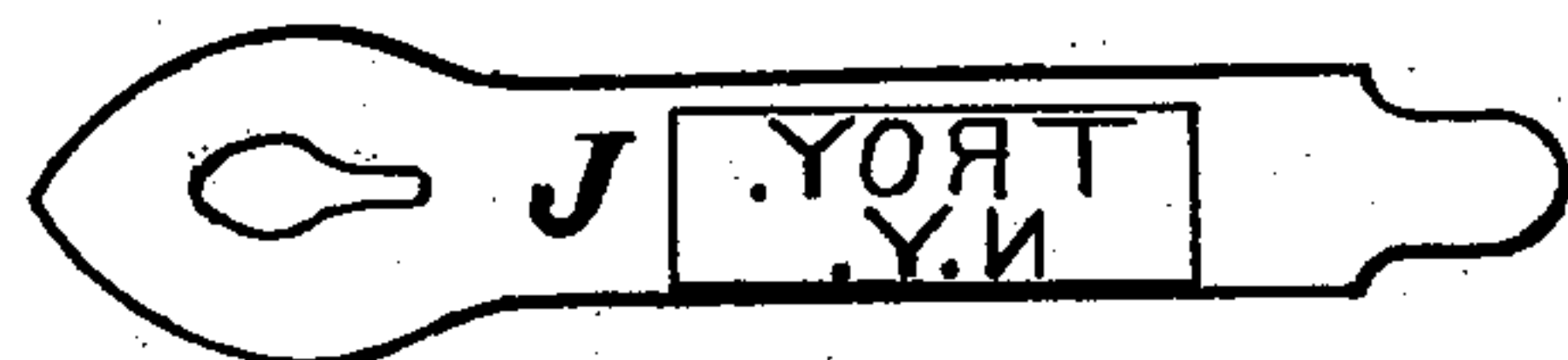


Fig 8



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# UNITED STATES PATENT OFFICE.

WILLIAM H. POOLE AND DAVID BOWES, OF CHICAGO, ILLINOIS.

## HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 227,295, dated May 4, 1880.

Application filed July 7, 1879.

*To all whom it may concern:*

Be it known that we, WILLIAM H. POOLE and DAVID BOWES, of the city of Chicago, in the county of Cook and State of Illinois, have  
5 invented certain new and useful Improvements in Hand-Stamps; and we hereby declare the following to be a full, clear, and exact description thereof, which will enable  
10 others skilled in the art to which our invention appertains to make and use the same, reference being had to the accompanying drawings, which form a part hereof, and in which—

Figure 1 represents a right-hand elevation with the greater parts of wheels 1' and 2' broken away to show mechanism behind them.  
15 Fig. 2 represents a left-hand elevation of same with so much of covering or sides of chambers removed in both figures as to show the arrangement and workings of the internal mechanism. Fig. 3 represents an elevation of  
20 a vertical cross-section of A parallel to and through the center of the axis *t*, but the wheels 1' and 2' are shown in elevation. Fig. 4 represents a side view of Fig. 3 as seen  
25 from the end or side of the working mechanism, or right-hand view of Fig. 1, with parts of 1' 2' and 1 and 2 partly broken away. Figs. 5 and 6 are elevation and plan of lower type-plate.  
30 Figs. 7 and 8 are plan and elevation of upper type-plate.

Like letters of reference indicate like parts.

Our invention relates to that class of hand-stamps more particularly adapted for dating and stamping railway coupon-tickets; and our  
35 invention consists in the combination of the several parts, as hereinafter described and claimed.

In the drawings, A represents the base of the hand-stamp, which is constructed of cast-iron  
40 or other suitable metal, and of any suitable dimensions that will receive the several operating parts. To the base A is attached a forked lever-arm, B, working freely from its fulcrum *j*.

45 Upon the under surface and at each side of the lever-arm B are attached springs N, for the purpose of receiving and holding in the desired position the adjustable type-plate J.

At or near the outer end of the lever-arm B  
50 is rigidly attached a platen, H. Within said lever-arm is provided a roller, F, to which is at-

tached the inking-ribbon L, which is wound upon said roller F by means of the milled head *h*, attached to said roller F.

Below the fulcrum *j* of the lever-arm B is 55 a tail-piece, C, to which are attached a coiled spring, O, and reciprocating pawl D, of which the spur *c* engages with the teeth of the ratchet-wheel *d*. The ratchet-wheel *d* is secured to the shaft of the internal drum, E, 60 upon which the inking-ribbon L is wound after passing over the type-wheels 1 2 3. A weighted pawl, *f*, takes up and holds the ratchet-wheel from turning back on the motion imparted to it by the reciprocating pawl D. 65

In the base A, or lower part of the hand-stamp, are placed, immediately under the platen H, type-rollers 1 2 3, a platen, I, to receive the impression of the type-plate J, and guide-rollers *i* and G for the inking-ribbon 70 L. To the outside of the base A is also attached the adjustable guard or guide *n*, to hold the ticket or card M in the desired position, and is set in or out for tickets of varying size by the set-screw *o*, and held in place 75 by a spring, P; also, to the outside of said base A are attached index-wheels 1' 2', notched on their peripheries to receive the dogs *k'* *k''*, by which they are held in place when set to the desired date, word, or letter, which they indi- 80 cate on their peripheries, in or between their notches *r* and *s*, which correspond with the dates, words, or letters on the peripheries of the type-wheels 1 and 2. The type-wheel 1 is securely fastened to the shaft of the wheel 1', 85 and turns with it on the bearing V. The type-wheel 2 is in the same manner secured to the wheel 2' on its axis *t*, and turns with it independent of wheels 1 and 1'. Type-wheel 3 turns loosely on axis *t*, and is secured to its 90 desired point by the pin *l* through the pendant *m*, passing into holes *q*, which are spaced to correspond with the type upon the periphery of the wheel. The upper parts of the type-wheels 1 2 3 pass through an opening, T, in a 95 type-plate, K, having its desired types inserted or engraved around the opening T. To this type-plate K are attached fixed spring hooks or guides P on each side of and rising slightly above its face, so as to prevent the ticket M 100 from being soiled.

When the arm B is pressed down the upper



type-plate, J, will catch with its ends the spring-hooks P, and press them down so as to let the ticket M down flatly upon the type-plate K, and by the downward movement of the lever-arm B the platen H is brought in contact with inking-ribbon L, when the type-plate K and type-wheels 1 2 3 and the removable type-plate J are brought in contact with inking-ribbon upon the platen I, whereby the ticket is printed on each side thereof simultaneously or at one operation. The spring O is fastened to the lower end of the tail-piece C of lever-arm B, the other end to a pin, *x*, attached to the base A, and holds the lever-arm B up, as shown, but is prevented from going beyond a fixed point by the pin or stop *a*, against which a thumb or stop, *b*, of the reciprocating ratchet D strikes when the lever-arm B is released.

The manner of using and operating our improved hand-stamp is as follows: Upon a roller, F, in the lever-arm B is wound an inking-ribbon, L, of considerable length, and through the opening *v* of the chamber *v'* is passed the other end of said ribbon, down under the face of the type-plate J, over and around the roller G of chamber *v''*, thence forward to the guide-roller *i*, thence upward and forward over the type-plate K, down through the neck of the chamber *v'''*, into chamber *v''''*, where it is secured to the roller E.

The type-wheels are set, for example, as follows: Wheel 3, the date of the year; wheel 2, the date of the month, and type-wheel 1 the month of the year. The type-plate K has its fixed type for the station from which a ticket is sold—in this example, E. St. Louis. If a ticket for Troy, N. Y., is wanted, from a series of already-prepared type-plates J, Figs. 7 and 8, the desired one is selected and slipped into place over the springs N in the lever-arm B. The coupon-ticket M is then inserted in the guides P and *n*, and the lever-arm brought down, when the ticket will receive an impression on one side thereof, "C. & A. R. R., E.

St. Louis," with year, month, and day, and on the other side will be found printed the destination, "Troy, N. Y." As the arm B is brought down the reciprocating ratchet D is brought back one notch of the ratchet-wheel *d*, which, when released, pushes it forward a distance corresponding to its motion, thus slowly winding the ribbon upon the roller E, and presenting a new and clean inking-surface for each impression.

We do not intend to limit ourselves to the use of an inking-ribbon for the purpose of inking the type-plates, as inking rollers or pads may be used by hand, or may be attached to the lever-arm and operated automatically in various ways, and the type-plates, in connection with the platens, may also be used independent of any inking device for the purpose of making an indentation or impression in or upon both sides of the ticket at the same time or at one operation.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a hand-stamp, the combination of the platen H and removable type-plate J, attached to the pivoted arm B, with the platen I and type-plate K, fixed to the stationary bed-plate, whereby the ticket is printed on both sides simultaneously, substantially as shown and described.

2. The combination of the arm B, springs N, and removable type-plate J with the spring-guides P and platen I, substantially as and for the purpose specified.

3. The combination of the spring-guides P with lever-arm B, springs N, and type-plate J, substantially as and for the purpose specified.

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Witnesses:

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