

P. A. Ramsay.

Hand Stamp.

Nº 16608.

Patented Feb. 10. 1857.

Fig. 1.

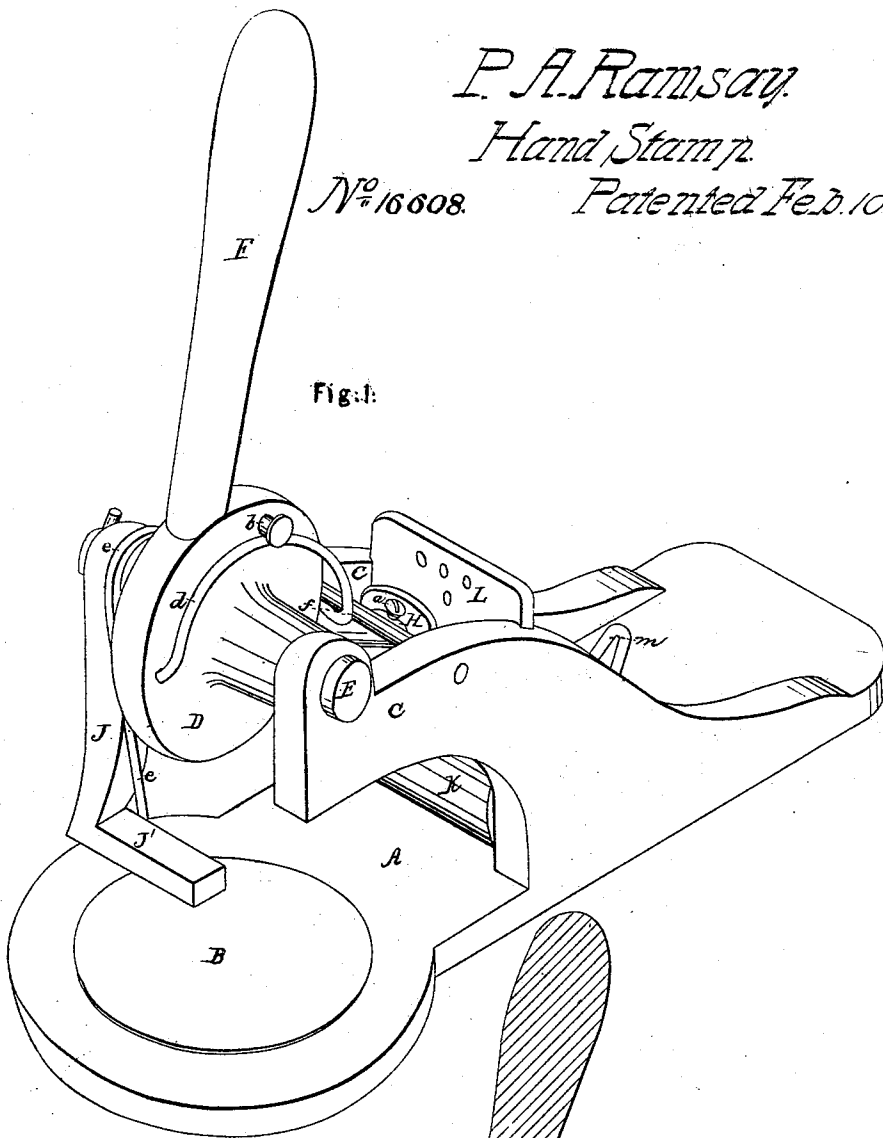
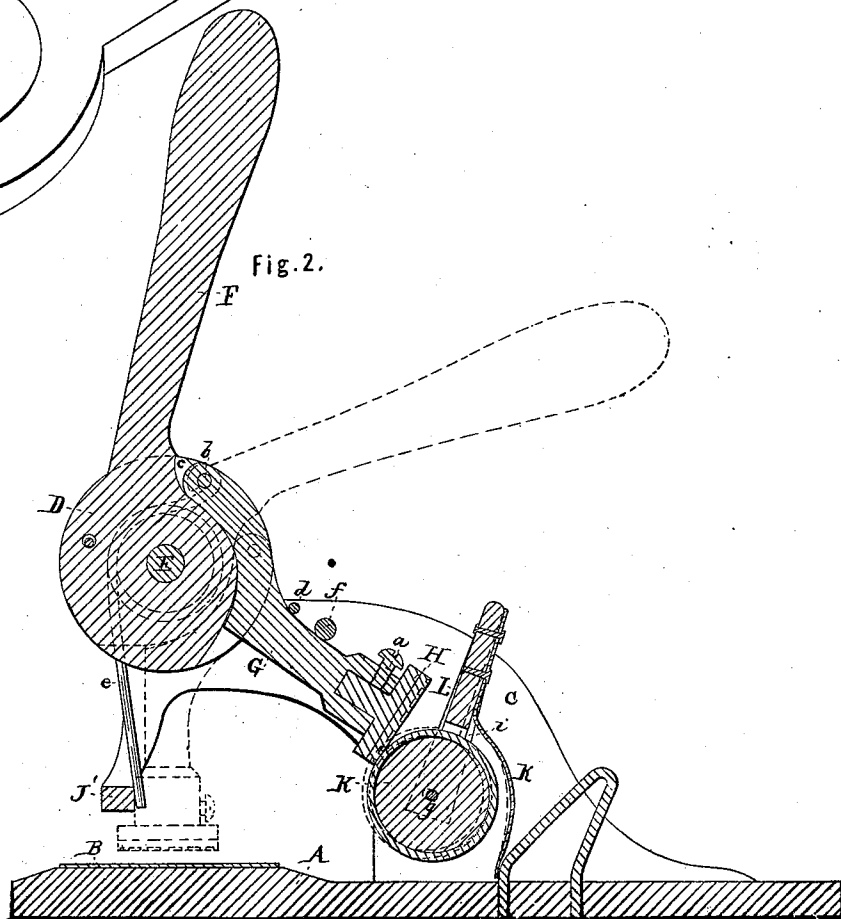


Fig. 2.



UNITED STATES PATENT OFFICE.

P. A. RAMSAY, OF BOSTON, MASSACHUSETTS.

HAND-STAMP.

Specification of Letters Patent No. 16,608, dated February 10, 1857.

To all whom it may concern:

Be it known that I, P. A. RAMSAY, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Hand-Stamps, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a view. Fig. 2 is a section through the same.

In hand stamps as ordinarily constructed, the inking of the die or stamp is either a separate and distinct operation from the stamping, involving an expenditure of time; or if so constructed as to do both at one operation they are liable to derangement of their parts.

To obtain a stamp that shall be self inking, and perform the stamping operation at one movement of the hand of the operator; and at the same time shall be substantial and durable in its construction, is the object of my present invention.

To enable others skilled in the art to understand and use my invention I will proceed to describe the manner in which I have carried out the same.

In the drawings A is the bed, near one end of which is the platen or pad B on which the article to be stamped is placed. It may be covered with cloth or other suitable material, in the usual manner. From the bed A, rise the arms or standards C, which carry the moving parts of the apparatus.

D is a truck which revolves on its axle E in suitable bearings in the standards C. To this truck is attached the handle F by which it is moved, and the pendant arm or dog G, to the lower end of which the die or stamp H is secured, by the screw *a* or in other suitable manner. The arm G is pivoted to the truck at *b*, and the upper or curvilinear portion of it rests in a suitable slot or recess *c* formed in the back part of the truck, in which it is steadied, and confined from any lateral motion, while the spring *d* holds it up to the truck and allows it a slight movement in the line of motion of the truck.

J is an arm attached to one of the stand-

ards C, the bent portion J' of which forms a stop, against which the arm G strikes. The wire spring *e* is wound around the axle E, and one end of it is caught behind J'. This spring serves to hold the truck in the position shown in Fig. 1, with the die H in contact with the inking roll.

f is a rod extending from one standard C to the other, against which the arm G stops when in this position.

The inking roll K is attached to a block L which is made removable for the purpose of putting on a fresh supply of ink without soiling the hands, or daubing up the apparatus. The axle *g* of this roll is carried in suitable arms attached to each side of the block L, which block slides into grooves *i* formed in the inner faces of the standards C. These grooves are wider at the bottom than at the top as shown in dotted lines in Fig. 2. This allows the roll to have a slight play back and forth and to accommodate itself to the face of the die, against which it is pressed by the spring *k*, when the truck is at rest, or in the position shown in Fig. 1. The inclined stop *m* serves to retain the end of the spring *k* at the same time that it guides it into place when the block is pushed down into the grooves.

Operation: The ink roll K having been supplied with ink, and the block L pushed down into its grooves *i* the handle F is brought down into the position shown in red in Fig. 2, with the arm G against the stop J'. Then as the motion of the handle is still farther continued the arm G descends in a vertical line, or very nearly so, pressing the die H down onto the platen B or onto the article to be stamped. When the arm G commences its vertical descent it pivots at the point *b* and the truck moves away from it, against the resistance of the spring *d*.

I do not claim stop J' as a guide for the purpose of guiding arm G or confining it to a longitudinal motion, several devices for that purpose being found in hand stamps invented by Wm. H. Elliot, the principal object of stop J' in my invention being to terminate or stop the motion of arm G around axle E, thereby causing said arm to take a new and distinct motion.

What I claim as my invention and desire to secure by Letters Patent is—

1. The arm G pivoted to the truck D in combination with the stop J' and ink roll
5 K operating in the manner substantially as herein set forth.

2. I claim the method herein described of

hanging the ink roll for the purpose set forth.

P. A. RAMSAY.

Witnesses:

THOS. R. ROACH,

P. E. TESCHEMACHER.