No. 613,161. Patented Oct. 25, 1898.

C. LEE.

HAND STAMP.

(Application filed Dec. 10, 1897.)

(No Model.)

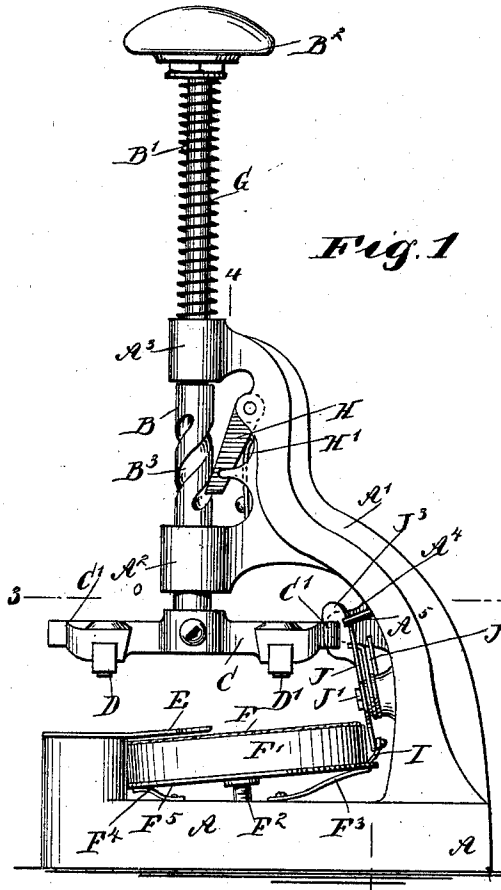


Fig. 1

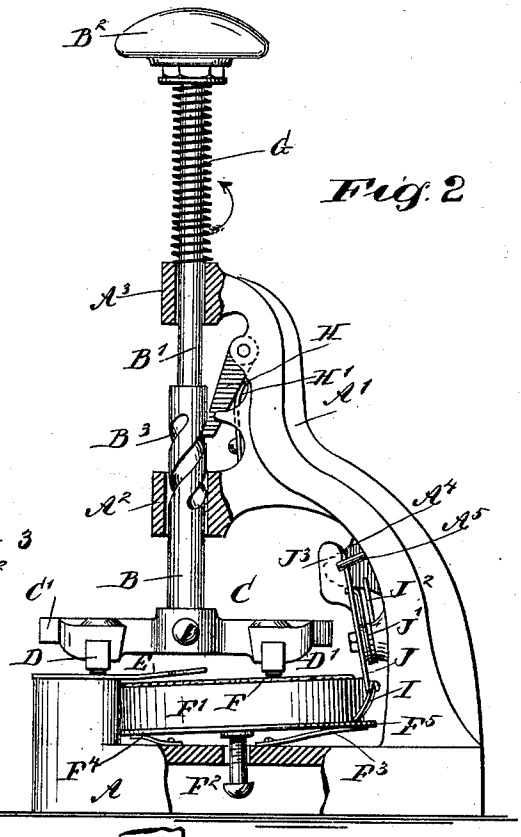


Fig. 2

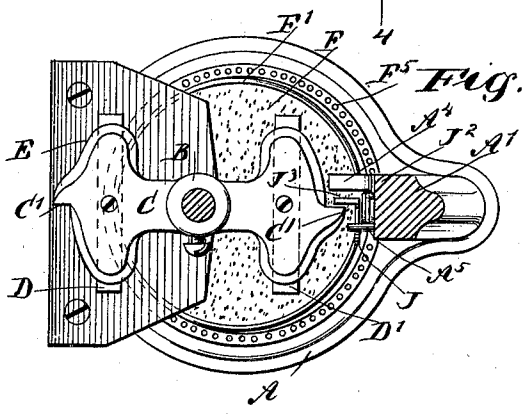


Fig. 3

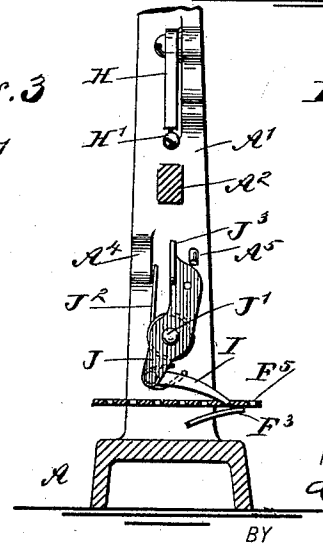


Fig. 4

WITNESSES.

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CALEB LEE, OF HOMEWORTH, OHIO, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, OF ONE-HALF TO SAMUEL D. HERRON, OF SAME PLACE, AND ISADORE KOCH, OF ALLIANCE, OHIO.

HAND-STAMP.

SPECIFICATION forming part of Letters Patent No. 613,161, dated October 25, 1898.

Application filed December 10, 1897. Serial No. 661,394. (No model.)

To all whom it may concern:

Be it known that I, CALEB LEE, of Homeworth, in the county of Columbiana and State of Ohio, have invented a new and Improved Hand-Stamp, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved stamp, more especially designed for use in post-offices, business-houses, &c., and arranged to permit the operator to properly stamp a large number of letters or other matter in a comparatively short time.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improvement. Fig. 2 is a similar view of the same, with parts in section and with the stamp-carrier in a different position. Fig. 3 is a sectional plan view of the improvement on the line 3 3 of Fig. 1, and Fig. 4 is a transverse section of the same on the line 4 4 of Fig. 1.

The improved stamp is mounted on a suitably-constructed frame formed with a base A and a standard A′, provided with alined bearings A^2 A^3 for a shaft B, mounted to turn and to slide in the said bearings. On the lower end of the shaft B is secured a carrier C, formed on its under side with oppositely-arranged sockets for receiving the type or other matter for producing the printing-stamps D D′ and for making the desired impression on a letter or other matter.

Below the stamps D D′ and the carrier C is arranged a platen E, on which the letter or other matter to be stamped is placed, and adjacent to this platen is an inking-pad F, adapted to be engaged by the stamp D or D′ at the time in a rearmost position and when the carrier C is moved downward for making the impression with the stamp which is at the front of the machine. Thus when the shaft B and the carrier C are pushed downward the front or outermost stamp D, as shown in Fig. 1, makes an impression on the matter held on the platen E, and at the same time the rearmost stamp D′, as shown, moves in contact with the inking-pad F to receive a supply of ink. When the carrier C moves back to its uppermost position, it makes a half-turn, as hereinafter more fully described, so that the previously-inked rear stamp D′ now moves to the front of the machine directly over the platen E, while the other stamp D moves over the pad F.

In order to impart motion to the carrier C and the stamps held thereon, I provide the upper reduced end B′ of the shaft B with a knob or handle B^2, adapted to be pressed by the operator to move the shaft in a downward direction, the return movement being accomplished by a spring G, coiled on the said reduced portion B′, one end of which spring rests on the bearing A^3, the other end bearing on the under side of the knob B^2.

In the shaft B between the bearings A^3 and A^2 is formed a spiral groove B^3, adapted to be engaged by a pawl H, fulcrumed on the standard A′ and pressed by a spring H′ in contact with the rear side of the said shaft to engage the free end of the pawl with the groove, at the same time permitting the pawl to yield rearwardly during the downward movement of the shaft B when pressed on by the operator at the knob B^2. When the operator releases the pressure, the free end of the pawl H by engaging the groove B^3 causes the shaft B to revolve during the upward sliding of the said shaft, caused by the pressure of the spring G. Thus during the downward movement of the shaft B the carrier C is moved bodily downward to make an impression with one stamp and to receive ink at the other stamp, and during the upward movement of the shaft said shaft and carrier are turned by the action of the pawl H to change the position of the stamps, as previously mentioned.

The inking-pad F is mounted to turn and is actuated from the carrier C, and for this purpose the pad F is mounted in a metallic casing F′, formed on its under side with a pivot-pin F^2, engaging loosely a bearing in

the bottom of the base A. (See Fig. 2.) The bottom of the casing F′ is pressed in an upward direction by springs F^3 and F^4, attached to the base, so as to permit the pad F to yield upwardly and downwardly, according to the thickness of the matter to be stamped, and resting on the platen E. It is necessary that the rearmost stamp shall always move in contact with the inking-pad regardless of the thickness of the matter under treatment.

As shown in the drawings, the casing containing the inking-pad is held in an inclined position, so as to bring the rear portion higher up and nearer to the rearmost stamp than the platen E.

The casing F′ is formed with an apertured rim F^5, adapted to be engaged by a pawl I, held on a lever J, fulcrumed at J′ on the standard A′. A spring J^2 presses the lever J, which is free to swing between two stops A^4 A^5, held on the standard A′. The upper end of the lever J is formed with a flange or finger-piece J^3, adapted to be engaged by projections C′ on the carrier C, so that when the latter turns during the upward movement of the said carrier the rearmost projection C′ strikes the said finger-piece to swing the lever J from the stop A^3 toward the stop A^4 to cause the pawl I to push the rim F^5 of the bottom casing F′ and turn the latter on its pivot F^2, so that a new surface of the inking-pad comes under the rearmost stamp. After the projection C′ has struck and moved the finger-piece J^3 the spring J^2 returns the lever J to its former position, together with the carrier C, the said lever and its spring thus forming a bumper for the carrier.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A device of the class described, provided with a stamp-carrier for carrying a plurality of stamps, a spring-pressed shaft mounted to turn and slide and supporting the said carrier, the shaft being provided with a spiral groove, a pawl pivoted alongside the shaft and adapted to engage said groove, and turn the shaft when the shaft is moved in one direction, and a spring holding the pawl toward the shaft.

2. A stamp, comprising a frame having guides therein, a shaft mounted to reciprocate and turn in said guides and having a spiral groove, stamps mounted upon one end of said shaft, and a spring-pressed pawl mounted alongside the shaft and adapted by its end to engage the spiral groove and turn the shaft when the shaft moves in one direction.

3. A device of the class described, comprising a revoluble inking-pad mounted yieldingly, a platen arranged adjacent to the inking-pad, a revoluble stamp-carrier for carrying a plurality of stamps, and controlling the movement of the said inking-pad, a spring-pressed shaft mounted to turn and to slide, and formed with a spiral groove, and a spring-pressed pawl engaging the said groove, to turn the shaft on its return movement, substantially as shown and described.

4. A device of the class described, comprising a revoluble inking-pad mounted yieldingly, a platen arranged adjacent to the inking-pad, a revoluble stamp-carrier for carrying a plurality of stamps, and controlling the movement of the said inking-pad, a spring-pressed shaft mounted to turn and to slide, and formed with a spiral groove, a spring-pressed pawl engaging the said groove, to turn the shaft on its return movement, and a connection between the said carrier and the said inking-pad, and consisting of a pawl, and a spring-pressed lever having a finger-piece adapted to be engaged by a projection on the said carrier, substantially as shown and described.

CALEB LEE.

Witnesses:
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