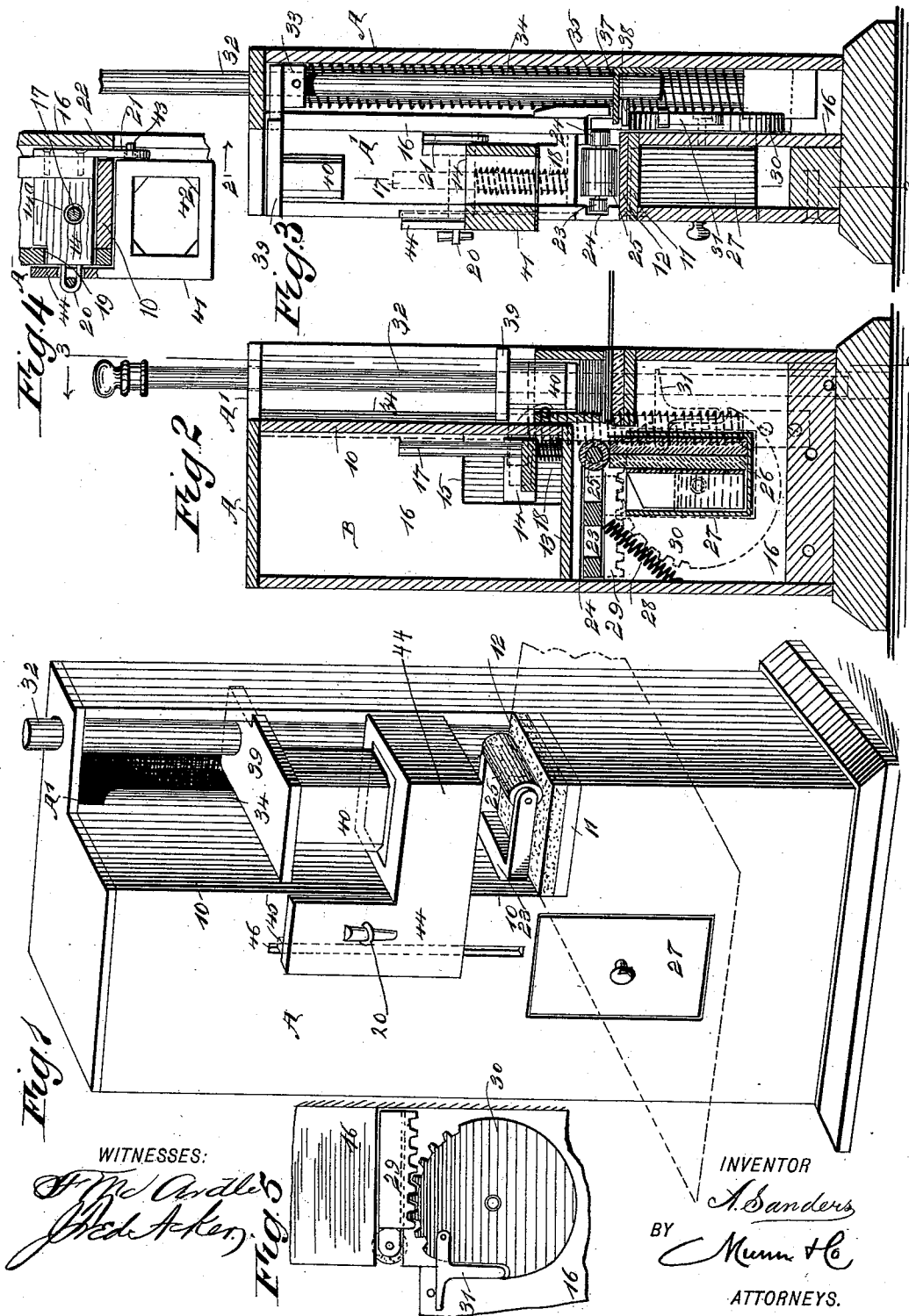


(No Model.)

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MACHINE FOR AFFIXING STAMPS.

No. 538,126.

Patented Apr. 23, 1895.



UNITED STATES PATENT OFFICE.

ADOLPH SANDERS, OF NEW YORK, N. Y.

MACHINE FOR AFFIXING STAMPS.

SPECIFICATION forming part of Letters Patent No. 538,126, dated April 23, 1895.

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To all whom it may concern:

Be it known that I, ADOLPH SANDERS, of New York city, in the county and State of New York, have invented a new and Improved Machine for Affixing Stamps, of which the following is a full, clear, and exact description.

My invention relates to a machine for stamping letters, and it has for its object to provide such a machine which will be compact, simple, durable and economic, and a further object of the invention is to so construct the machine that the stamps may be placed in removable holders so that holders for any denomination of stamps may be attached to the machine, and whereby at one operation of the plunger, a letter being laid upon a table or pad, a moistening device will moisten the surface upon which the stamp is to be affixed and will recede, and whereby immediately thereafter a follower will enter into engagement with the stamp receptacle, carry said receptacle downward and force a stamp therefrom, pressing the same to a firm contact with the surface previously moistened, and whereby upon releasing the plunger the stamp receptacle and follower will be carried to their normal position.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is a perspective view of the machine. Fig. 2 is a vertical section, taken essentially on the line 2—2 of Fig. 3. Fig. 3 is a section taken practically on the line 3—3 of Fig. 2, at right angles to the section shown in Fig. 2. Fig. 4 is a horizontal section taken above the stamp box or receptacle, and above the mechanism which actuates the same; and Fig. 5 is a detail view of the actuating mechanism for the moistening device.

In carrying out the invention a casing A, is provided, having a recess A' produced in one corner, preferably one of the front corners, which recess extends from the top of the casing to a predetermined point near its bottom.

The recess is bounded by a wall or partition 10 on one side, which meets the base plate 11, which forms a portion of the bottom of the recessed portion of the casing, and upon this plate 11 a pad 12, is firmly attached, forming substantially a yielding table. A horizontal partition 13, is carried inward from the vertical partition 10 in direction of one of the side walls of the casing, and to a contact with said wall, as shown in Fig. 2, forming in connection with a back partition 16 a chamber B, the said partition 16 being immediately at the rear of the inner edge of the vertical wall or partition 10 of the front recess, and it extends downward to the base of the casing, projecting from one side to the other below the plate 11 at the bottom of the recess A'. A sliding platform or head 14, is located in the chamber B, having guided movement in a recess 15, produced in the partition 16, or back wall of said chamber, as illustrated in Fig. 2.

The platform or head 14, is provided with an opening 14^a, as shown in Fig. 4, and through said opening a post 17, is loosely projected, the post being vertically located and secured to the bottom 13 of the chamber B. This post is encircled by a spring 18, upon which the sliding platform 14 rests, or has bearing. The platform or head is made narrow at its outer or front end in order that it may extend through a vertical slot 19, produced in the front wall or front face of the casing, and this projecting portion of the sliding platform is usually provided with a staple 20. The sliding platform is further provided with an arm 21, located at its inner end, which arm is projected outward through an opening 22 in the partition 10 of the recess A'.

A frame 23, has horizontal movement below the bottom of the chamber B, being held to slide in ways 24, produced in the front face of the partition 16 and in the inner face of the front board of the casing. This frame carries a roller 25 at its outer end, or that end which faces the casing recess A', and the vertical partition or wall 10 of this recess is provided with an opening, as shown in Figs. 1 and 3, through which the roller and its frame may pass outward, permitting the roller to move

over the pad or table 12, as illustrated in Fig. 1. The roller, when in its normal position, that is, out of engagement with the table 12, is in contact with a pad 26, of absorbent material, located in a receptacle 27, in which receptacle water is placed, the water having constant access to the pad, as illustrated in Fig. 2, and the roller and its frame are held in their normal position by a spring 28.

Movement is given to the roller and frame against the tension of the spring 28 by attaching to its rear side a rack 29, which extends through to the opposite or rear side of the partition 16, as shown in Fig. 5, the slide-way at this point extending through the partition, and this rack is engaged by teeth formed upon the disk 30, or a mutilated gear mounted to turn upon the rear face of the partition 16, the disk or mutilated gear being provided at a point in its periphery with a trigger 31, pivotally connected therewith. This trigger is usually T-shaped, one member of its head being pivoted to the gear and the other member extending outwardly therefrom, while the shank member is made to enter a recess formed in the gear, as likewise shown in Fig. 5. This trigger is to be operated through the medium of a plunger 32, which is held to slide in the top of the casing, extending a predetermined distance above the top, and the said plunger passes downward in the casing at the rear of the recess A', and is provided near its upper end within the casing with an attached cross head 33, which cross head is provided with an opening to receive a post 34, secured at its lower end in the bottom portion of the casing and located preferably adjacent to the plunger and parallel therewith. This post serves as a guide for the plunger, and is encircled by a spring 35, against which the cross head rests. Therefore, when the plunger is pressed downward the spring is brought under tension.

A bracket 37, is provided as a guide for the lower end of the plunger, and below this bracket a trip pin 38, is attached to the plunger, adapted for engagement with the projecting head portion of the trigger 31. Thus by pressing the plunger downward the trigger is pressed in a like direction, and the disk or gear 30, is revolved to force the moistening device outward so that its roller may pass over the table 12.

The head section 39 of a follower 40 is secured to the cross head 33 of the plunger, and this follower extends outward into the casing recess A', as shown in Fig. 1. The follower is adapted to operate in connection with a stamp box or receptacle 41, which is open at its top and only partially closed at its bottom by a plate 42, crossing the corners only, as illustrated in Fig. 4.

The box or receptacle 41, is made of a size and of a shape to accommodate stamps of a certain denomination or issue; and the said box or receptacle is provided with an extension 44 upon its outer side, located at the rear,

and this extension is provided with an opening to receive the staple 20 of the sliding platform 14, a key being passed through the projecting portion of the staple, as shown in Fig. 1; or other means may be devised for securing the same together. The stamp box is further guided by a vertical rib 45 which works in a vertical slot 46 formed in the front side of the casing A as shown in Fig. 1.

The inner end of the box is supported by forming thereon a pin 43, which enters an opening in the arm 22 projecting from the said sliding platform. Thus the platform and box move together, and the follower, which is adapted to enter the stamp box, is of such shape that it may pass through the bottom thereof if required.

It may here be remarked that the receptacle 27 containing the moistening pad, may be, and preferably is, removably placed in the casing through an opening in the front.

In the operation of this device, a stamp box containing the stamps to be used is placed upon the machine in the manner above described. As shown in Fig. 1, an envelope is then placed with one corner, that intended to receive the stamp, upon the table 12 and the plunger is now depressed. The first action of the plunger is to engage with the trigger 31 and carry the moistening device outward until the roller shall have rolled over the envelope and moistened the space intended to receive the stamp. At that time the trip pin of the plunger will have passed the trigger, and the spring 28 attached to the moistening device will act to return the same to its normal position. By this time the follower will have entered the stamp box and will have carried the said box downward with it, and the undermost stamp in the box will be brought in engagement with the moistened surface on the envelope and will be pressed to place. By releasing the plunger the spring controlling the latter will restore it to its normal position, and the spring controlling the sliding platform 14 will carry the stamp box upward to its original position.

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

1. The combination with a support provided with a table and a spring controlled plunger movable toward the table, of a vertically sliding spring seated head 14 in the support and provided with an apertured arm 21 projecting through a slot in the support above the table and also guided at its outer end in a slot in the support and there provided with a staple 20, an open ended stamp box above the table and having a pin 43 to enter the aperture in arm 21 and having at its outer side an extension 44 provided with an aperture receiving the staple 20, and means for moistening the stamps, substantially as described.

2. A machine for stamping letters comprising a support or casing having a table, a spring

retracted moistener adapted to be moved over the table, mechanism for projecting the moistener and having a trigger, a spring controlled plunger provided with a trip adapted to engage said trigger and project the moistener and thereupon pass said trigger and allow the moistener to be retracted to its normal position, a follower attached to the plunger and a sliding stamp box adapted to receive said follower and be depressed by the said plunger after the retraction of the said moistener, substantially as described.

3. In a machine for stamping letters, the combination, with a casing having a recess formed therein, a table at the bottom of said recess, a moistening device having sliding movement within the casing and adapted to move over the said table, a rack and pinion mechanism whereby the moistening device is operated, and a trigger pivotally connected with the pinion, of a spring-controlled plunger mounted in the casing and provided with a follower located within the recess and over the said table, and a spring-controlled stamp box also capable of sliding, and located over the table, the said box being adapted to receive a follower and be carried downward thereby, and a trip carried by the plunger, adapted to act upon the trigger connected

with the moistening device prior to the action of the follower upon the stamp box, as and for the purpose specified.

4. In a machine for stamping letters, the combination, with a casing having a recess therein, a table at the bottom of the recess, a sliding frame located within the casing and carrying a moistening roller, the said frame being spring controlled and the roller adapted to move across the table, and a moistening device with which the roller is normally held in engagement, of an actuating mechanism connected with the roller frame, a spring-controlled plunger having a trip adapted to act upon the actuating mechanism of the moistening roller, a follower carried by the plunger, a spring-controlled stamp box having sliding movement, and detachably and removably carried by the casing, adapted to receive the follower, the said stamp box being open at the top and at the bottom with the exception of at the corners of the latter, the covered corners serving as a support for the stamps, as and for the purpose set forth.

ADOLPH SANDERS.

Witnesses:

SAM SANDERS,
MOSES KAUFMAN.