

(No Model.)

G. B. BAER.
MAILING MACHINE.

No. 446,702.

Patented Feb. 17, 1891.

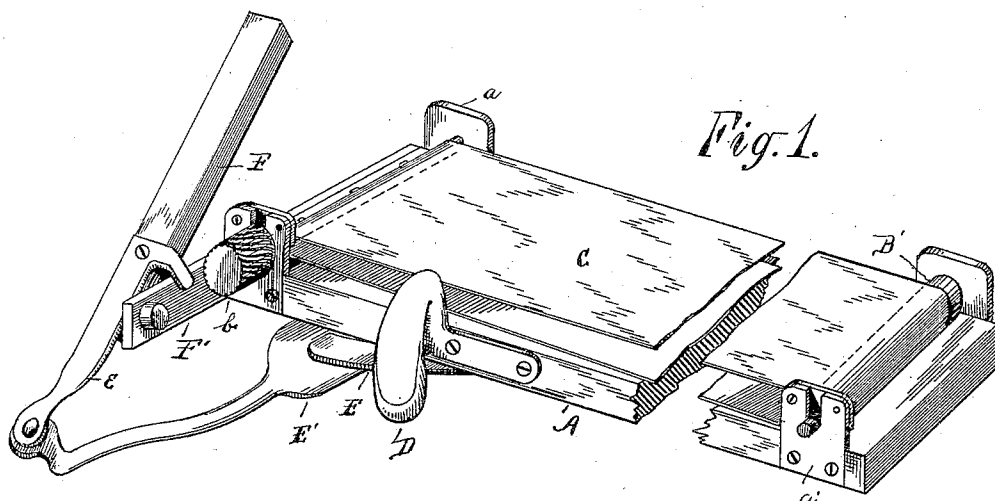


Fig. 2.

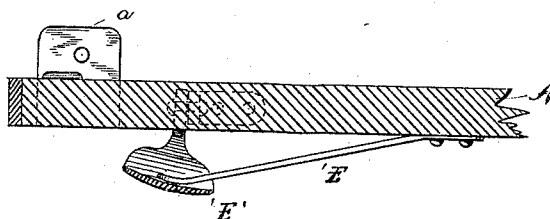


Fig. 3.

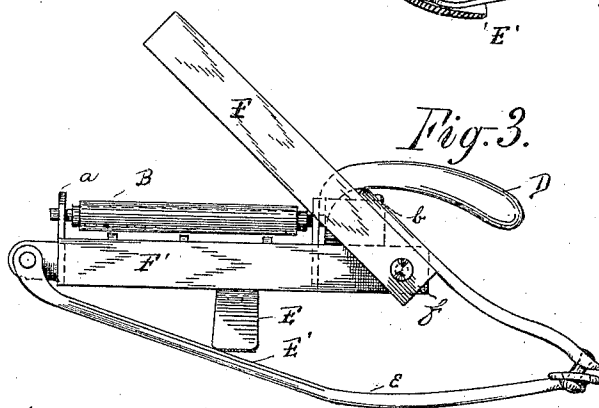
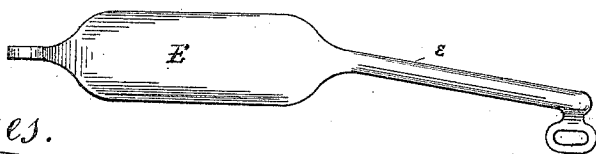


Fig. 4.



Witnesses.

Heffortwitt.

Charles J. Ambruster

Inventor.

George B. Baer

By *Boomed Acker*

UNITED STATES PATENT OFFICE.

GEORGE BAKER BAER, OF CLOVERDALE, CALIFORNIA.

MAILING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 446,702, dated February 17, 1891.

Application filed September 17, 1890. Serial No. 365,302. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BAKER BAER, a citizen of the United States, residing at Cloverdale, in the county of Sonoma and State of California, have invented certain new and useful Improvements in Mailing-Machines; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

My invention relates to certain new and useful improvements in addressing or mailing machines for envelopes, wrappers, papers, or the like; and it consists of the parts and details of construction, as will hereinafter more fully be shown in the drawings, described, and pointed out in the specification.

The object of my invention consists in providing a machine which shall be simpler in its construction, more effective in its operation, and less expensive than any device of a similar nature heretofore known to me.

Referring to the drawings forming a part of this specification, in which similar letters of reference are used to denote corresponding parts throughout the entire specification and several views of the drawings, Figure 1 is a view in perspective of the entire device; Fig. 2, a longitudinal sectional view; Fig. 3, an elevation of one end of the machine, and Fig. 4 a detail of the shoe-plate.

The letter A is used to indicate the base or frame of the machine, which is provided with the uprights or bearings *a a'*. If so desired, however, the bearing and base of the machine may be formed integral. Between said bearings I secure the rollers B B', the forward one of which is provided with the outwardly-extending thumb-roller *b*. Over said rollers works the endless traveling belt C, as fully shown in Fig. 1, adapted to convey the slips or strips of names under the cutting-knife.

To the side of the base or frame A, I attach the handle D. Beneath said frame I locate the metallic spring E, which extends forward and rests upon the upper face of the metallic shoe-plate E', which is thereby pivotally secured beneath said frame. The upper face of this shoe is made slightly concaved, so as to allow of the spring E, when compressed, to move

upward thereon. The outer portion of said shoe is considerably reduced and has secured to the outer end thereof the connecting-rod *e*, which is in turn bolted or secured to the inner end of the cutting-knife F. The inner end of said knife is pivoted to the end portion *f* of the front piece F', attached to the front of the machine.

By making the upper face of the shoe-plate slightly concaved the reduced end thereof is thrown slightly outward when downward pressure is exerted upon the machine, which outward movement, through the medium of the connecting-rod *e*, causes the knife to move inward upon its downward throw until it bears tightly against the face of the machine, thereby insuring a more perfect cut of the paper.

In the operation of my machine the endless belt C is given a coating of paste sufficient to cause the slip containing the addressed names to adhere thereto, (which slip is thereby then given a coating of paste,) and the belt is moved forward by the revolving of the thumb-roll *b*. As the belt is moved forward the end of the slip passes over the front portion of the machine, when by downward pressure upon the handle D the spring E is moved upward while the reduced end of the shoe E' is moved slightly outward, which movement necessarily, through the medium of the connecting-rod *e*, causes the downward movement of the cutting-knife F. By suitably controlling the rotation of the thumb-roll *b* the paper may be cut any desired length.

Having thus described my invention, what I claim as new, and desire to secure protection in by Letters Patent of the United States, is—

1. In a mailing or addressing machine, the combination of a base or frame having operating-rollers journaled in opposite ends thereof, a front piece having one end extending laterally from the frame, a cutting-knife pivotally secured to said extended end, a transverse plate extending beneath the frame, having its inner end pivoted thereto and its outer end pivotally connected with the cutting-knife, and a longitudinal spring secured beneath the frame and having its free end bearing upon the transverse plate, substantially as set forth.

2. In a mailing-machine, the combination, with the frame thereof, of the operating-rollers secured therein, endless belt passing around said rollers, thumb-roll secured to the forward roller, handle attached to the machine, shoe-plate pivotally secured beneath said frame, having the reduced outer portion, metallic spring located beneath the frame and adapted to bear upon the shoe-plate, cutting-knife pivotally secured to the end of the front piece or bar, and the rod for connecting the knife with the outer end of the shoe-plate, substantially as and for the purpose set forth and described.
3. In a mailing-machine of the herein-described character, the combination, with the frame thereof, of the front piece or bar F', secured to the front thereof, cutting-knife pivotally secured to the end of said front bar, metallic shoe-plate pivotally secured beneath the frame of the machine, said plate having its upper face slightly concaved and the reduced outer portion, rod connecting the knife with the outer end of the shoe-plate, and the metallic spring attached to the under side of the frame and adapted to bear upon the upper concaved face of the shoe-plate, substantially as and for the purpose set forth and described.
- In testimony whereof I affix my signature in presence of two witnesses.
- GEORGE BAKER BAER.
- Witnesses:
FRANK SPENCER,
JOS. N. ATHERTON.