

R. DICK.  
ADDRESSING MACHINE.

No. 170,069.

Patented Nov. 16, 1875.

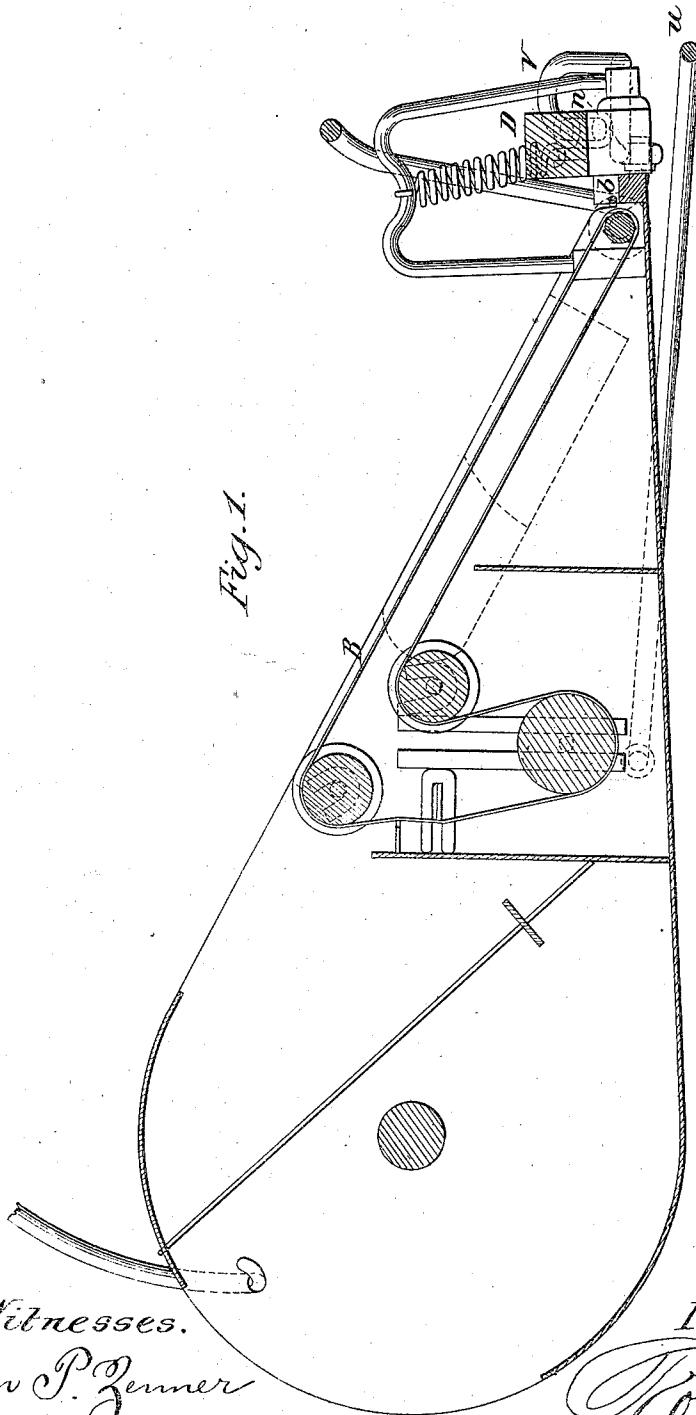


Fig. 1.

Witnesses.

John P. Zenner  
Alfred W. Morris

Inventor.

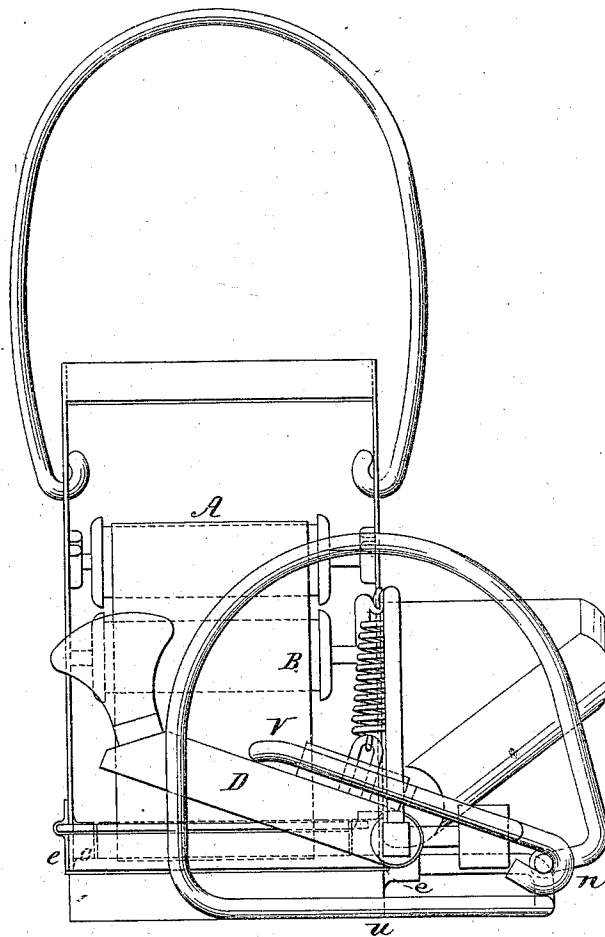
Robert Dick

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*Fig. 2.*



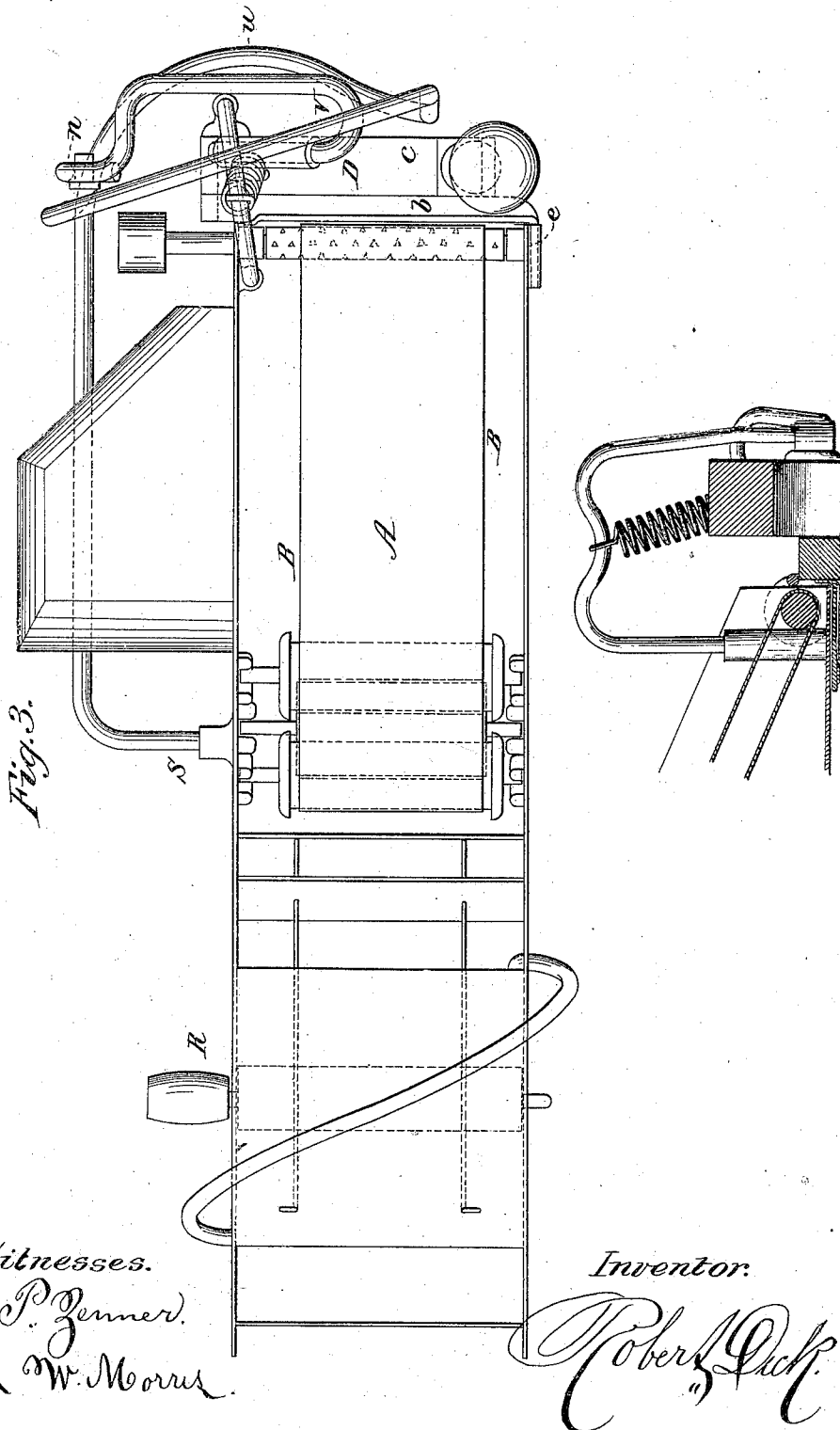
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*John P. Zenger*  
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# UNITED STATES PATENT OFFICE.

ROBERT DICK, OF BUFFALO, NEW YORK.

## IMPROVEMENT IN ADDRESSING-MACHINES.

Specification forming part of Letters Patent No. **170,069**, dated November 16, 1875; application filed October 15, 1872.

### *To all whom it may concern:*

Be it known that I, ROBERT DICK, of Buffalo, Erie county, New York, have invented, made, and applied to use Improvements in the Construction of Addressing-Machines; and that the following is a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a view of my improved mailing-machine. Fig. 2 is a view of the cutter-stamp. Fig. 3 is a view of the same inverted. Fig. 4 is a view of the wire frame employed. Fig. 5 is a view of the curved lever V. Fig. 6 is a view of the metal plate attached to front of the machine to hold the cutter-stamp.

In the drawing like parts of the invention are indicated by the same letters of reference.

The nature of the present invention consists, first, in the use, in a mailing-machine, of a cutter-stamp which can be readily detached from or attached to the rest of the machine, as more fully hereinafter described; second, in the use or employment of the wire frame and the curved lever V, in combination with the cutter-stamp, as more fully hereinafter set forth.

To enable those skilled in the arts to make and use my invention I will describe the same.

The shell or case of the machine, with its receptacle for the paste, the endless belt, the means for operating the belt, and the means for distributing the paste evenly upon the belt, are described, and constructed as described, in Letters Patent granted me May 7, 1867, and reference may be had to that patent for a full description of the construction of the same.

As the present invention relates only to the stamp-cutter, and the means of operating it, the following description will be found sufficient:

Heretofore the stamp-cutter has been fastened permanently (so to speak) to the shell or frame of the machine, and when the cutter became dull, or needed repair, much time was consumed in separating or removing it from the body of the machine and reattaching it. In the present instance I make use of a spring-clamp, *d d*, provided with ears *e e*, by which it is attached to the front of the machine by

soldering the ears thereto, so that the clamp *d d* shall be placed below or upon the under side of the shell or frame at its front end. The cutter-stamp D has attached to the rear of the lower or stationary blade a plate of metal, *c c*, forming, as it were, a continuation of the same, and made sufficiently wide to pass through and project beyond or behind the clamp *d d*. This plate of metal *c c* is made of sufficient thickness to allow it to be passed through the opening between the clamp *d d* and the bottom or under side of the shell or frame, and has soldered to it upon its face a short strip of metal, *a a*, which, when the plate *c c* is passed through the opening between the clamp and the underside of the shell or frame, has a bearing against the rear end of the clamp *d d*, and thus holds the cutter-stamp D firmly in position after the plate *c c* has been passed through the opening between the clamp *d d* and the bottom of the shell or frame. When necessary to remove the cutter-stamp from the machine, or to attach it to the same, the spring-clamp *d d* is sprung sufficiently, in any convenient manner, to allow the plate *c c*, with its auxiliary plate or strip of metal *a a*, to be passed through the opening between the clamp and the bottom of the machine.

The means for operating the cutter-stamp D consists, in the present instance, of a wire frame, having its rear portion turned at right angles to the main portion of the same, and provided with a shoulder, *s*, the portion beyond the shoulder being inserted and fitting snugly in an opening in the side of the shell or frame, while its forward portion is arched, as shown, and provided with a shoulder, upon which one end of a curved lever, V, is held. V is a curved lever, one end of which is provided with an eye passed over the forward end of the wire frame, against its shoulder, while its opposite end is bent and inserted in a tubular receptacle upon the upper side of the movable shear of the stamp-cutter. The advantage of being able to remove the stamp-cutter readily from the machine in case of repairs being necessary, and to be able also to readily put it in position, will not be set forth. The wire frame is so constructed that access is afforded the thumb or finger of the operator to manipulate the endless belt by turning

the blank wheel upon the end of the shaft over which it travels, that the parts may be readily attached or detached, and that the pressure of the cutting-shear may be governed to the necessary extent by bending the arch of the wire frame forward or backward, so as to make the forward shoulder of the wire frame press with more or less force against the eye of the curved lever, which operates the cutter-stamp. The wire frame is also so constructed that the arm giving adjustable pressure to the lever of the cutter-stamp, and which has heretofore been formed from a separate plate or piece of metal, is formed with the frame, and from the same metal or material used to form the frame. By so forming the arm economy of manufacture and durability are attained, while less

friction is experienced in the operation of the cutter-stamp, as joints and points of contact between separate pieces are dispensed with.

I claim as my invention—

1. The combination of a spring-clamp, *d d*, cutter-stamp *D*, plate of metal *c c*, and strip of metal *a a* with the shell or frame of a mailing-machine, substantially as and for the purposes set forth.

2. The combination, with the shell *B*, movable blade *D*, and lever *V*, of the combined motor-arm and the spring *S U*, substantially as and for the purposes herein set forth.

ROBERT DICK.

Witnesses:

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ALEXANDER DICK.

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