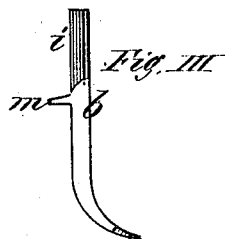
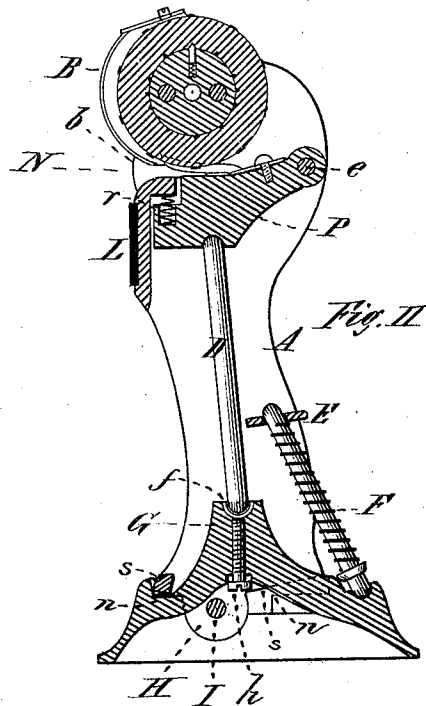
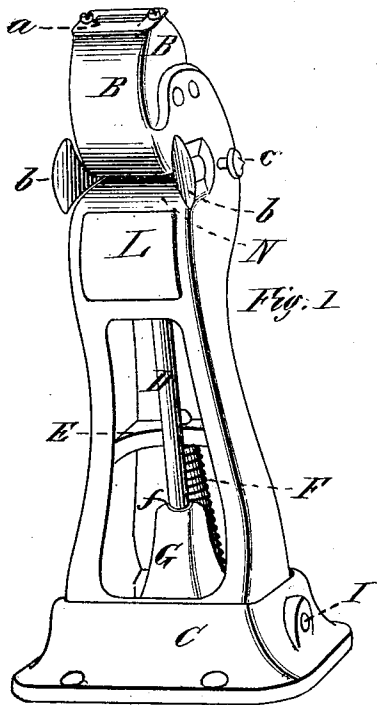


B. B. HILL.  
HAND STAMP.

No. 178,296.

Patented June 6, 1876.



Witnesses,  
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# UNITED STATES PATENT OFFICE.

BENJAMIN B. HILL, OF SPRINGFIELD, MASSACHUSETTS.

## IMPROVEMENT IN HAND-STAMPS.

Specification forming part of Letters Patent No. **178,296**, dated June 6, 1876; application filed November 12, 1875.

*To all whom it may concern:*

Be it known that I, BENJAMIN B. HILL, of Springfield, in the county of Hampden and State of Massachusetts, have invented a new and useful Machine for Stamping Tickets; and that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon.

The object of my invention is to provide a tilting stamp for stamping tickets with a swinging platen, which is hung to one side of the frame, and with mechanism to operate it and adjust it, at any time, with reference to the printing-type; and to this end my invention consists of a tilting frame containing type or printing mechanism at the upper end, and pivoted at the lower end to a fixed base, with a platen hung to one side of the frame, just beneath the printing-type, so as to swing freely up and down, and resting upon the upper end of a rod whose lower end has an adjustable bearing in the fixed base, at a point one side of the pivot which secures the said frame to the base, as will be more fully hereinafter explained.

Figure I is a perspective view of my invention. Fig. II is a central vertical longitudinal section of the same, and Fig. III is a plan view of the gage and guide.

In the drawings, A represents a frame, having, at the lower end, the ears H, one on each side, by which the frame is pivoted to the base C at I; and at the upper end are arranged the type or printing wheels of the ordinary form, and which may be brought into position to make the impression in the usual manner. Just beneath the printing mechanism is arranged a platen, P, which is pivoted at *e*, and in the lower side of which a rod, D, has a bearing, said rod, at its lower end, resting in a recess or in a cup, *f*, placed in said recess in the part G of the fixed base C, said cup being made preferably of hard steel, and adjusted either up or down by a screw, *h*. This recess or cup *f*, and consequently the lower end of the rod D, is located a little to one side of a vertical line passing through the pivot I, while the upper end of the rod at its bearing in the platen P is nearer to said vertical line;

and the platen, either from the force of gravity or by the action of a spring, *r*, arranged above the platen for that purpose, always bears upon the rod D. The frame A has a piece, E, thereon, having a hole therein, into which is inserted the upper end of a rod with a spring, F, thereon, the lower end of the rod having a bearing in the base C, so that as the upper end of the spring bears upward against the piece E, and its lower end bears either against the base, or against a shoulder on the rod, the action of the spring keeps the frame A always tilted forward with its lower end *s* in front, bearing upon the shoulder *n* of the base. The side of the frame A, at the upper part, has a hole each side the opening N, into which is inserted the shank *i* of the guide *b*, and is secured by a thumb-screw, *c*, turned through the side of the frame against the shank. The outer end of each guide *b* is made broad in a vertical direction, and curved outward to more readily guide the ticket into the opening N when inserted therein; and a small projection or gage, *m*, is made on the inside of each guide, against which, when set properly, the end of the ticket strikes when inserted to receive the impression, and which projections determine the position of the impression upon the ticket, or its position from the end. The front of the frame, just below the opening N, is recessed, and an elastic pad or cushion, preferably of rubber, is secured therein, against which the hand is placed to tilt the machine, and which protects the knuckles from injury or soreness when in constant or frequent use. When printing-wheels are used, indicating-numbers may be made upon the wheels in addition to the printing-characters, and an indicating-point arranged upon the case B, as at *a*, which is an opening through which the indicating-characters may be seen when the corresponding printing-characters are in the proper position to make the impression upon the ticket.

The operation of my invention is as follows: A ticket to be stamped is held in the hand, and its end inserted into the opening N until it strikes against the projection or gage *m*, when the hand, being then close to the machine, is pressed against the cushion L, and the machine forced or tilted backward until its lower

end *s* strikes upon the shoulder *n* behind. In this movement the rod *D* forces up the platen *P*, and the ticket resting thereon, firmly against the printing mechanism, with sufficient force to cause the impression of the printing-characters to be made upon the ticket. As the pressure of the hand is removed from the cushion *L*, or from the machine, the elastic force of the spring *F* causes the machine to tilt back quickly to its original position, with its lower end *s* bearing upon the shoulder *n* of the base in front, and the ticket is withdrawn with the impression made thereon.

If at any time the impression made upon the ticket should not be sufficiently plain, by reason of the wearing away of the type, or from other similar causes, and more force should be required in making the impression, the small screw *h* may be turned up very slightly so as to raise the rod *D* and the platen *P* a little, which will cause the latter to press the ticket harder against the printing-characters.

It will be seen that the machine will be perfectly operative if the guides *b* and the spring *F* with its rod should be removed, as the ticket may be held with the thumb and finger and inserted, and another finger of the same hand placed on top of the machine to tilt the machine and draw it forward again, to stamp the ticket, with great ease; but the guides and the spring cause the machine to operate with more promptness and dispatch, and enable the operator to take the impressions with greater facility and less care.

Having thus described my invention, what I claim as new is—

1. In an improved machine for stamping tickets, the combination, with the stamping-type, of the pivoted or tilting frame *A*, the swinging platen *P* hung at one side to said frame, and the rod *D* having a bearing at the lower end in the fixed base to which the said frame is pivoted, and at the upper end in the said swinging platen, substantially as described.

2. In a machine for stamping tickets, the combination of the swinging or tilting frame *A*, pivoted to a fixed base, the swinging platen *P* hung to the said tilting frame, the rod *D* having a bearing at its upper end against said platen, and the step *f* arranged to be moved up or down to adjust the rod and platen with reference to the printing-type, substantially as set forth.

3. The adjustable guides *b*, provided with the gage *m*, in combination with the frame *A*, substantially as and for the purpose described.

4. The combination of the printing-type, the platen *P*, the swinging or tilting frame *A*, the elastic pad secured in the front face of said frame to enable the operator to press against the frame with sufficient force to make the impression without injury to the hand, and the fixed base *C*, all substantially as herein described.

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Witnesses:

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