(No Model.)

J. LIPPINCOTT.

TICKET PUNCH.

No. 264,465. Patented Sept. 19, 1882.

Fig. 1.

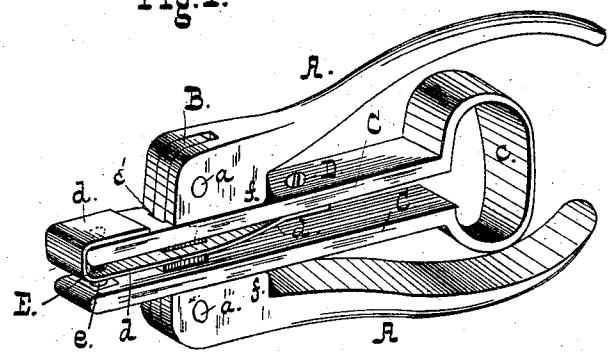
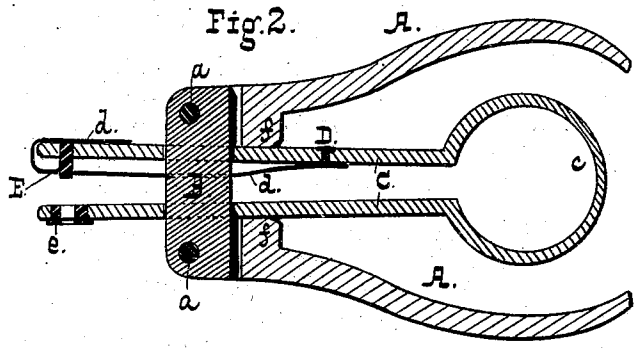


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN LIPPINCOTT, OF BALTIMORE, MARYLAND.

TICKET-PUNCH.

SPECIFICATION forming part of Letters Patent No. 264,465, dated September 19, 1882.

Application filed March 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN LIPPINCOTT, of Baltimore city, State of Maryland, have invented certain new and useful Improvements in Ticket-Punches; and I hereby declare the same to be fully, clearly, and exactly described as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view, and Fig. 2 a central longitudinal sectional view, of the device.

My present invention relates to devices for punching or perforating tickets and for analogous uses; and it has for its object to provide a punch in which the motion of the dies is substantially in a right line, thereby preventing injury to the dies by reason of failure to register as they meet, to cheapen the construction, and to increase generally the efficiency of the device and its convenience of use or handling. These ends I accomplish by attaching the male and female dies to the ends of arms which are integral with or secured to a spring adapted to hold the arms normally apart, and by pivoting a pair of cam-levers to a bar which passes through the arms, so that by pressing the levers together the dies are caused to approach each other.

In the drawings, A A are cam-levers pivoted at *a a* to a bar, B. C C are the arms having the male and female dies E *e*. These arms are connected with a spring, *c*, bent in a circle between the handles and constituting a ring by which the device may be suspended from the finger or by a string. A stripper-spring, *d*, is secured at D to one of the arms. In the spring *d* and arms A are formed slots *c'*, through which the bar B passes, insuring registration of the dies.

In operation, as the levers or handles A are pressed inward the cam corners *f* approach each other, compressing the arms C together and causing the dies E *e* to approach and punch the ticket which has previously been placed between them. On releasing the levers the stripper-spring *d* frees the ticket from the male die, and the reaction of the spring *c* opens the handles to their normal position, as shown.

Instead of slotting the arms C and pressing the bar B through the slot, the bar may be slotted and the arms play therein; but the described construction is preferred, as it leaves the sides of the device flush, facilitating its withdrawal from the pocket.

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

1. In a ticket-punch, a pair of arms having in one end the dies and connected at the other by means of a bowed spring, which subserves the double function of a pivotal connection and of a supporting-ring for the arms, and a handle adapted to press the arms together, as set forth.

2. In a ticket-punch, a pair of arms carrying the dies and connected by means of a spring, and a cam-lever handle adapted, as described, to press the dies together.

3. In combination with the die-arms connected by means of a spring, the cam-lever handles pivoted to a bar which passes through the arms, as set forth.

4. In combination with the cam-lever handles and bar B, the arms A, carrying the dies, and connected by means of a finger or suspending ring, *c*, as set forth.

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