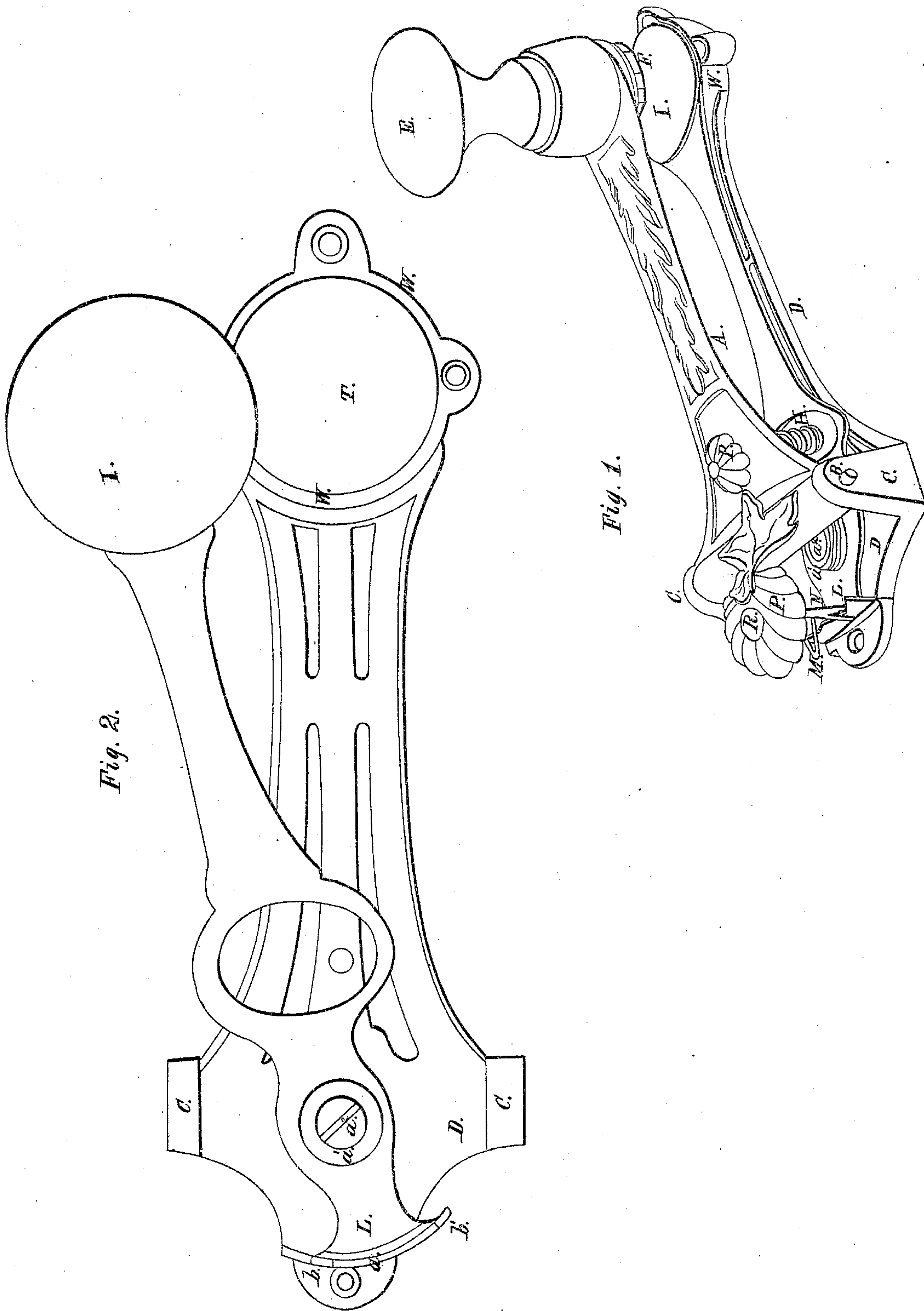


P. Evens, Jr. Sheet 1 of 2 Sheets
Self-Inking Hand Stamp.
Nº 16270. Patented Dec. 23, 1856.



P. Evens, Jr. Sheet 2 of 5 Sheets.

Self-Inking Hand Stamp.

N^o 16270.

Patented Dec. 23. 1856.

Fig. 4.

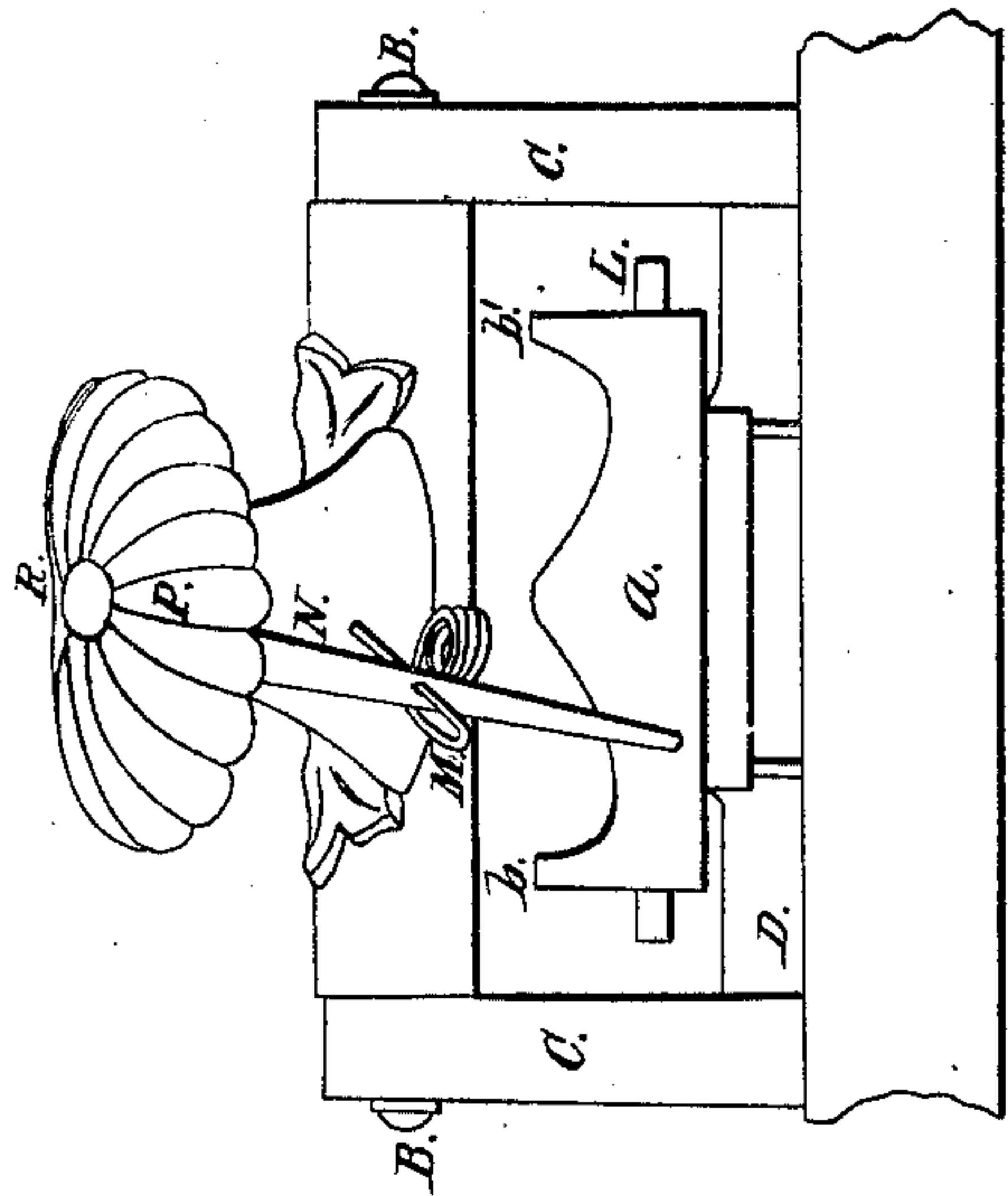
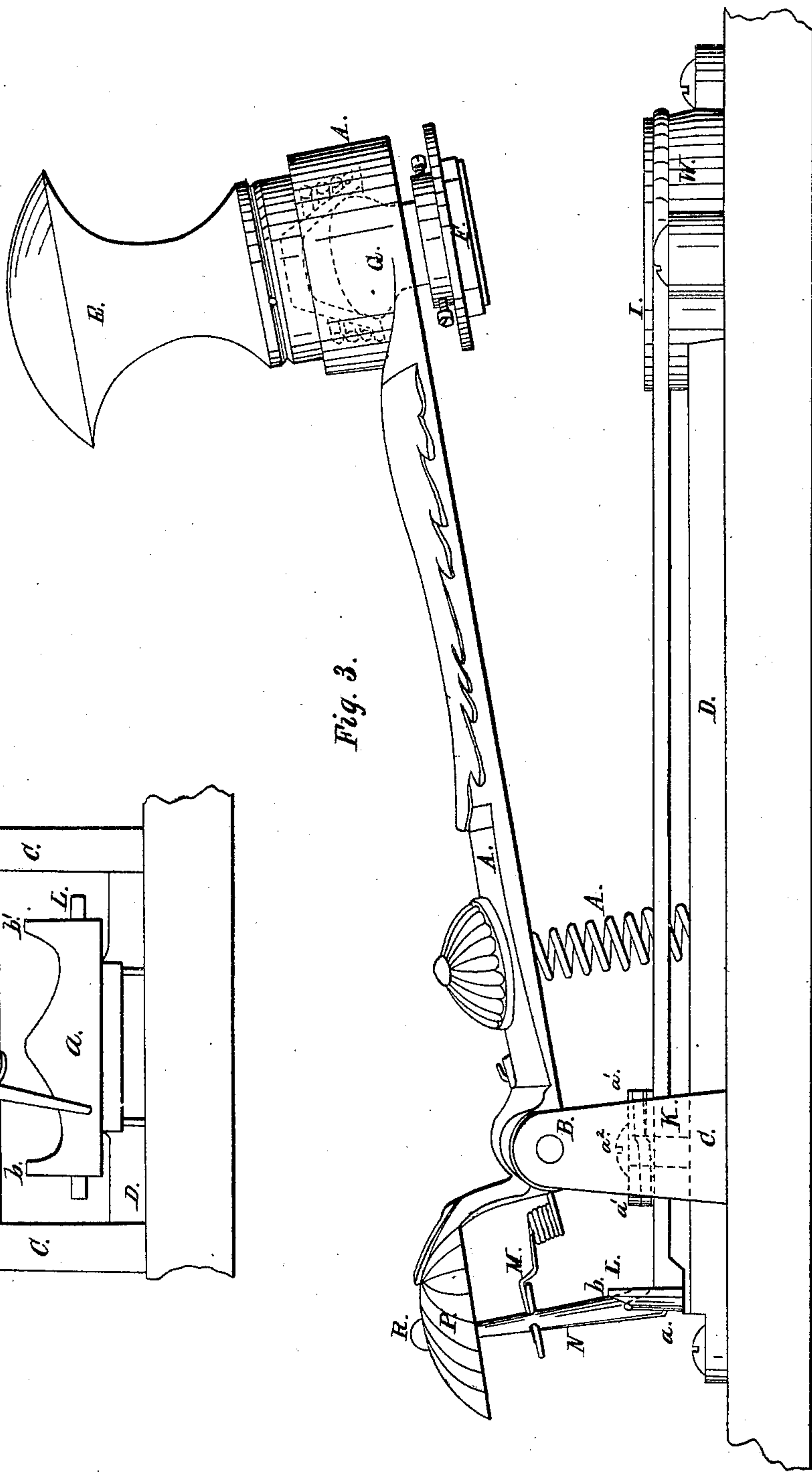


Fig. 3.



UNITED STATES PATENT OFFICE.

PLATT EVENS, JR., OF CINCINNATI, OHIO.

HAND PRINTING-PRESS.

Specification of Letters Patent No. 16,270, dated December 23, 1856.

To all whom it may concern:

Be it known that I, PLATT EVENS, Jr., of Cincinnati, in the county of Hamilton and State of Ohio, have invented an Improvement in Hand Printing-Presses, and that the following is a full, clear, and exact description of the principle or character which distinguishes it from all other things before known and of the usual manner of making, modifying, and using the same, reference being had to the accompanying drawings, of which—

Figure 1 is a perspective view of the press; Fig. 2 is a plan of the platen and base plate, the follower being removed; Fig. 3 a side view of the press, and Fig. 4 a back view of the same.

My improvement consists in a mode of constructing self inking hand printing presses in the manner hereinafter set forth, as follows, to wit.

A represents the follower vibrating upon the axis B supported by the standards C C on the base plate D. This base plate when the press is in use is fastened to a table or elsewhere, so as to be firm and steady. The follower is worked up and down by the knob or handle E. Under this knob is the form F containing the types, the form being hung upon a ball and socket joint G and being pressed upon by a spring H. The platen or bed I vibrates horizontally upon the vertical pin or axis K and its motions are effected as follows. At the extremity L of the follower there is suspended by a spring M, a single toggle bar N which has its upper bearing on the under side of the cap P, the upper end of the toggle bar being pointed and bearing in a slight countersink or cavity on the under side of cap P directly under the boss or projection R. The lower end of the toggle is forked and strikes the double inclined guide piece *a*. This piece is connected with the platen and is somewhat curved as shown in Fig. 2. At each end of the piece are projections or stops *b*, *b'* against which the fork of the toggle acts to effect the necessary motions of the platen which are as follows. Suppose the toggle

to stand in the position shown in Fig. 1. 50
Raise the handle E and depress the toggle and as the fork slides down the inclined plane of that side of the guide it strikes the stop *b'* and carries the platen to one side and removes it from the ink pad T which is 55
in a box or cup W in the base plate D. Then bring down the follower and ink the types. During this motion the toggle is lifted and the spring carries it over the inclined plane on the other side of the guide, 60
to the position seen in Fig. 4. Raise the handle again and the fork now acts against stop *b* and brings the platen back to its place under the type form. Now bring down the handle and print the card or device on whatever is laid upon the platen. 65
During this downward motion the toggle is again lifted and carried over to the other side of the guide in position to act upon stop *b'* on the next upward motion of the 70
follower. As the bearing K of the platen is subject to much wear and is required to be continually in good order I introduce a helical spring *a'* under the nut *a*² to prevent any derangement in that part. The action 75
of the helical spring A³ is to keep the follower somewhat elevated from the platen.

What I claim as my invention and improvement in hand printing presses is—

1. So connecting the platen with the follower that the upward motions of the follower shall remove the platen from the ink pad and bring it back again and during every alternate downward motion of the follower the platen shall remain over the 85
ink pad and under the type follower.

2. I claim the mode of communicating the motions of the follower to the platen the same consisting of the double inclined guide *a* with its stops or checks *b*, *b'*, and the 90
forked toggle N operated by spring M and having bearings in the short arm of the lever A, as set forth.

PLATT EVENS, JR.

Witnesses:

CHAS. G. PAGE,
R. T. CAMPBELL.