

W. Richards Jr
Registering App's.
N^o 78,130. *Patented May 19, 1868.*

Fig: 1.

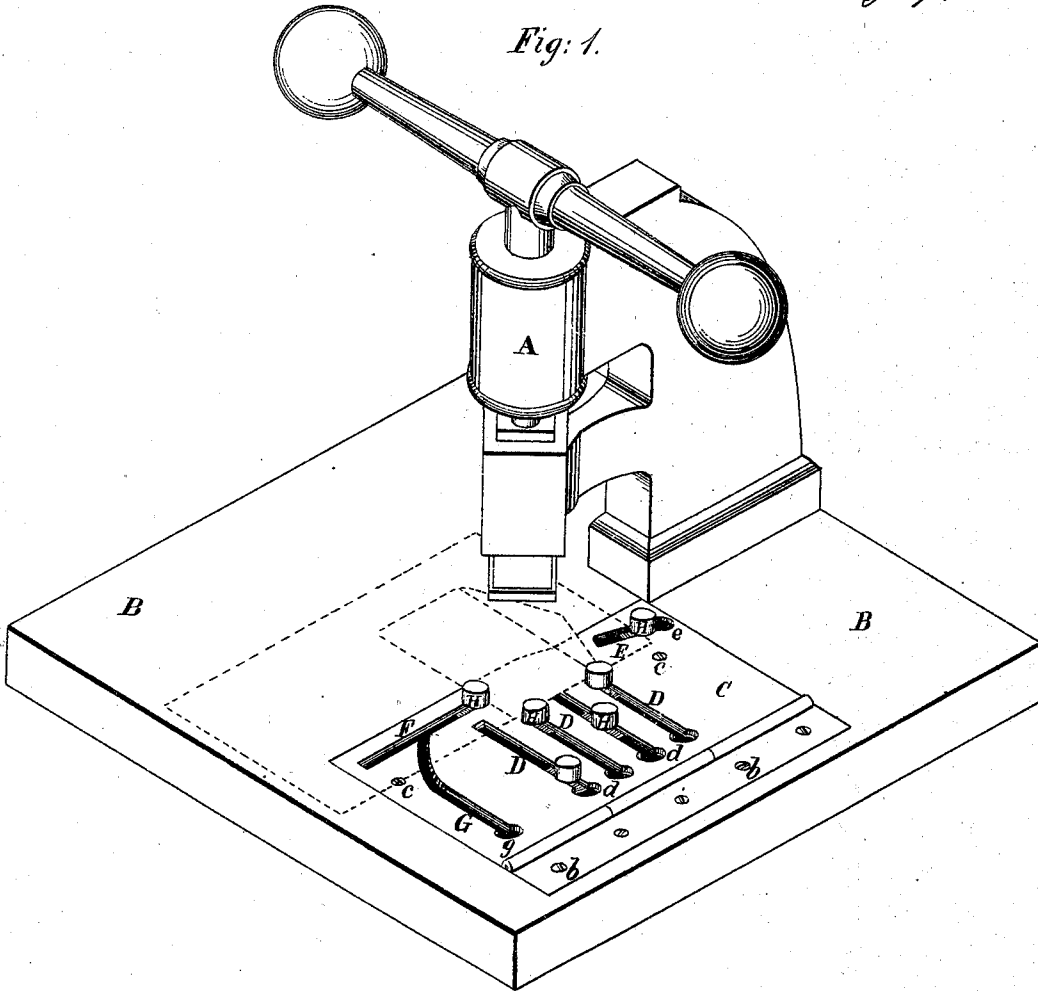
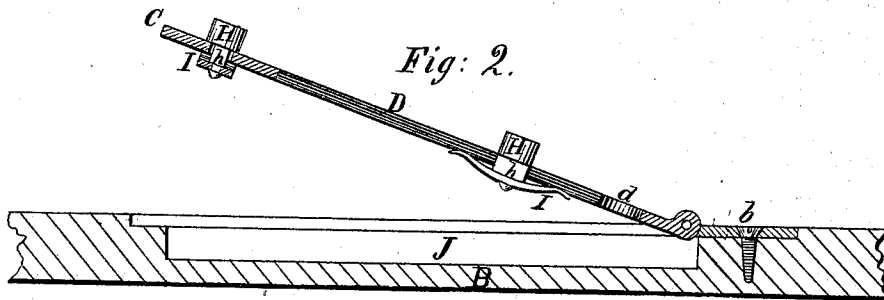


Fig: 2.



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WARREN RICHARDS, JR., OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF
AND SHIPLEY & SMITH, OF SAME PLACE.

Letters Patent No. 78,180, dated May 19, 1868.

IMPROVEMENT IN GAUGES FOR EMBOSsing-PRESSES.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, WARREN RICHARDS, JR., of Cincinnati, Hamilton county, Ohio, have invented a new and useful Gauge for Embossing-Presses, &c.; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

My improvement relates to such presses as are employed for embossing or stamping initials, monograms, &c., on paper, envelopes, and cards; and my invention consists in a gauge, to be attached to such presses, whereby the paper, envelopes, &c., can be speedily and accurately adjusted, so as to admit of the impression being made upon the article at any desired part of the same.

In the accompanying drawings—

Figure 1 is a perspective view of an embossing-press furnished with my improved gauge, and

Figure 2 is a vertical section through the gauge on an enlarged scale.

A represents an embossing-press, of the usual form, and this press is provided with a table or bed-plate, B, which has secured to it, at *b*, a hinged and slotted plate, C.

The plate C is provided with a number of transverse slots, D, a diagonal slot, E, and a longitudinal one, F, the latter having a branch, G, which is parallel or nearly so with the slots D. These slots terminate at one end in apertures *d e g*, for purposes which will be described hereafter.

Projecting upwardly through the slots are short studs or stops, H, having stems *h*, to which are secured springs I, the latter being sufficiently stiff to prevent any accidental displacement of the studs, and yet to permit of their being moved to any desired position by a slight degree of force.

The bed-plate B is recessed at J, so as to permit the studs traversing the slots without coming in contact with anything below the plate C. Screws *c* retain the slotted plate down firmly upon the bed-plate of the press.

When the press is to be employed for embossing envelopes, one of the latter is placed upon the bed-plate so as to bring the die to bear upon the envelope at any desired point, such as in one corner, at its mid-length, or on the flap, and a number of stops in the transverse slots D are adjusted to the end of the envelope, and the stop in the longitudinal slot, F, is brought to bear upon the bottom of the envelope, as clearly shown in fig. 1.

In embossing note-paper and other large articles, the stop is "switched off" from the longitudinal slot F into the branch G, and the upper end of the paper is gauged by the stop in the diagonal slot E, the edge of the sheet bearing against the stops in the transverse slots D, as indicated by the dotted red lines.

If at any time it should be desired to remove one or more of the stops, it can be done by simply raising the plate C upon its hinge, as shown in fig. 2, and dropping the stops down through the apertures at the end of the slots.

It will be seen that the gauge can be adjusted to suit envelopes, paper, cards, &c., in a moment's time, and it is so simple in its construction there is no liability of it getting out of order.

The slotted plate need not be hinged, but it can be screwed, or otherwise rigidly attached to the table of the press.

A modification of my invention may be made by omitting the springs, and screw-threading the upper ends of the stops, so as to engage with a nut, by which the stops can be retained at any position along the slots.

I claim herein as new, and of my invention—

1. The arrangement, substantially as described, of the slotted plate C, stops H, and springs I, or their equivalents, as and for the purpose specified.

2. I also claim the combination of the longitudinal slot F and branch slot G, for the object explained.

In testimony of which invention, I hereunto set my hand.

WARREN RICHARDS, JR.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.