# I. ROSENTHAL.

## Apparatus for Stamping Patterns.

No. 161,158. Patented March 23, 1875.

Fig: 1.

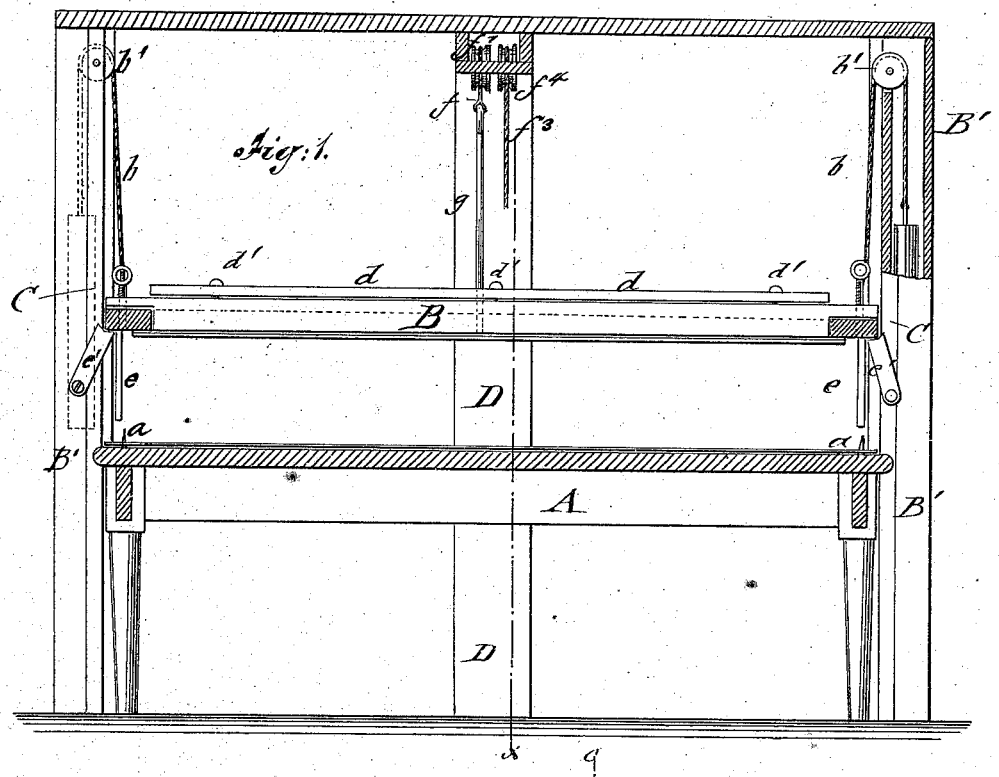



Fig: 2.

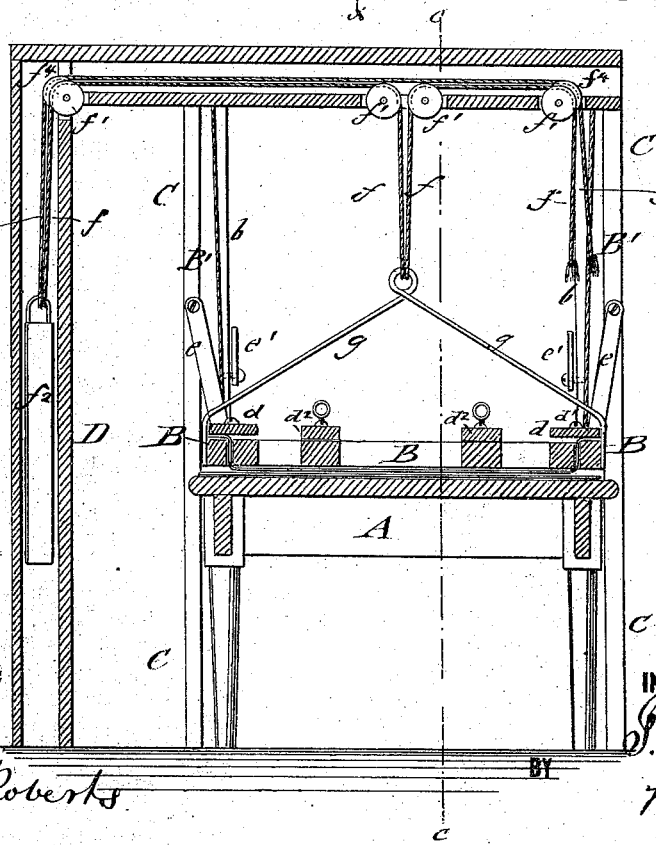
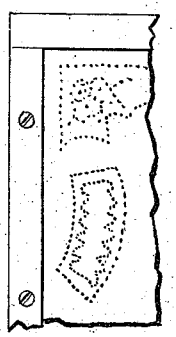



Fig: 3.

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ISIDORE ROSENTHAL, OF NEW YORK, N. Y.

## IMPROVEMENT IN APPARATUS FOR STAMPING PATTERNS.

Specification forming part of Letters Patent No. **161,158**, dated March 23, 1875; application filed January 11, 1875.

*To all whom it may concern:*

Be it known that I, ISIDORE ROSENTHAL, of the city, county, and State of New York, have invented a new and Improved Stamping Table and Apparatus, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical longitudinal section of my improved stamping table and apparatus, taken on the line *c c*, Fig. 2; Fig. 2, a vertical transverse section of the same on the line *x x*, Fig. 1; and Fig. 3, a detail top view of part of the transfer-frame.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claims.

In the drawing, A represents the table on which the cloth or other fabric to be stamped is placed, it being retained thereon in stretched position by vertical fastening-pins *a* at the corners. A frame, B, of corresponding but slightly smaller size, is suspended horizontally above the table A, the suspension cords or chains *b* passing over top pulleys *b'* of upright standards C of the table, and being provided with weights sliding in inclosing-boxes B', so as to balance frame B, and admit readily the raising or lowering of the same. The transfer-paper, which is perforated according to the different patterns or designs to be stamped, is stretched and firmly clamped by top strips *d* and set-screws $d^1$ of the longer sides of frame B, additional longitudinal pieces, with clamping top strips $d^2$, being supported on the graduated sides of the frame B, so as to be adjusted to any width of the pattern. Frame B fits by inner holes or recesses over the guide-pins *a* of the table, for producing an accurate position of the frame on the table after being lowered for transferring the patterns. Pivoted lever-arms *e*, at the corner standards C, are brought down on the top of the frame B when it is seated on the table, securing it thereby in position for the stamping of the patterns. A second set of pivoted lever-arms, *e'*, supports the frame in raised position at suitable height above the workman when he is adjusting the fabric, or using the table for cutting out the stamped articles, after a certain quantity of them has been marked in succession. The transfer-frame B is readily raised or lowered by means of cords or chains *f*, applied to a central rail, *g*, of the frame, the cords *f* being arranged at the ceiling or top part of the supporting-frame, and conducted over pulleys $f^1$—one to the rear, the other to the front part of the apparatus. The rear cord *f* is provided with a weight, $f^2$, which slides in a guide-box, D, placed, preferably, along the wall, but some distance from the table, to allow the ready access of the workman from each side. The weight $f^2$ is, furthermore, connected by a second cord, $f^3$, passing over rear and front pulleys $f^4$ to the front part of the apparatus, and serves, when the frame is raised, as an additional balance to the same, so as to expedite the upward motion on pulling on the front cord *f*, while it produces, on the pulling of the direct cord $f^3$, the raising of the weight and simultaneous lowering of the frame, as indicated clearly in Fig. 2. The frame B, of whatever size, is brought, by this mode of balanced suspension, fully within the control of the operator, being quickly and without difficulty raised and lowered, so as to expedite thereby the stamping process, and enable the rapid and less expensive production of any pattern, whether of smaller or larger size.

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

1. The improved stamping apparatus, composed of a cloth-supporting table, with guide-pins, and a balanced suspended transfer-frame, having the perforated pattern-paper stretched thereon, and adapted to be raised and lowered by suitable mechanism, substantially in the manner and for the purpose set forth.

2. The balanced transfer-frame B, provided with central rail, and connected by cords and pulleys, with compensating-weights $f^2$, arranged to slide in guide-box D, in combination with additional weight-cord $f^3$ and front cord *f*, substantially as shown and described.

3. The transfer-frame, provided with adjustable intermediate pieces, and clamping top strips, for adjusting and stretching the transfer-paper to any width of pattern, as specified and shown.

ISIDORE ROSENTHAL.

Witnesses:
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