

CHARLES W. MONROE.

Improvement in Glossing and Fluting Irons.

No. 121,885.

Patented Dec. 12, 1871.

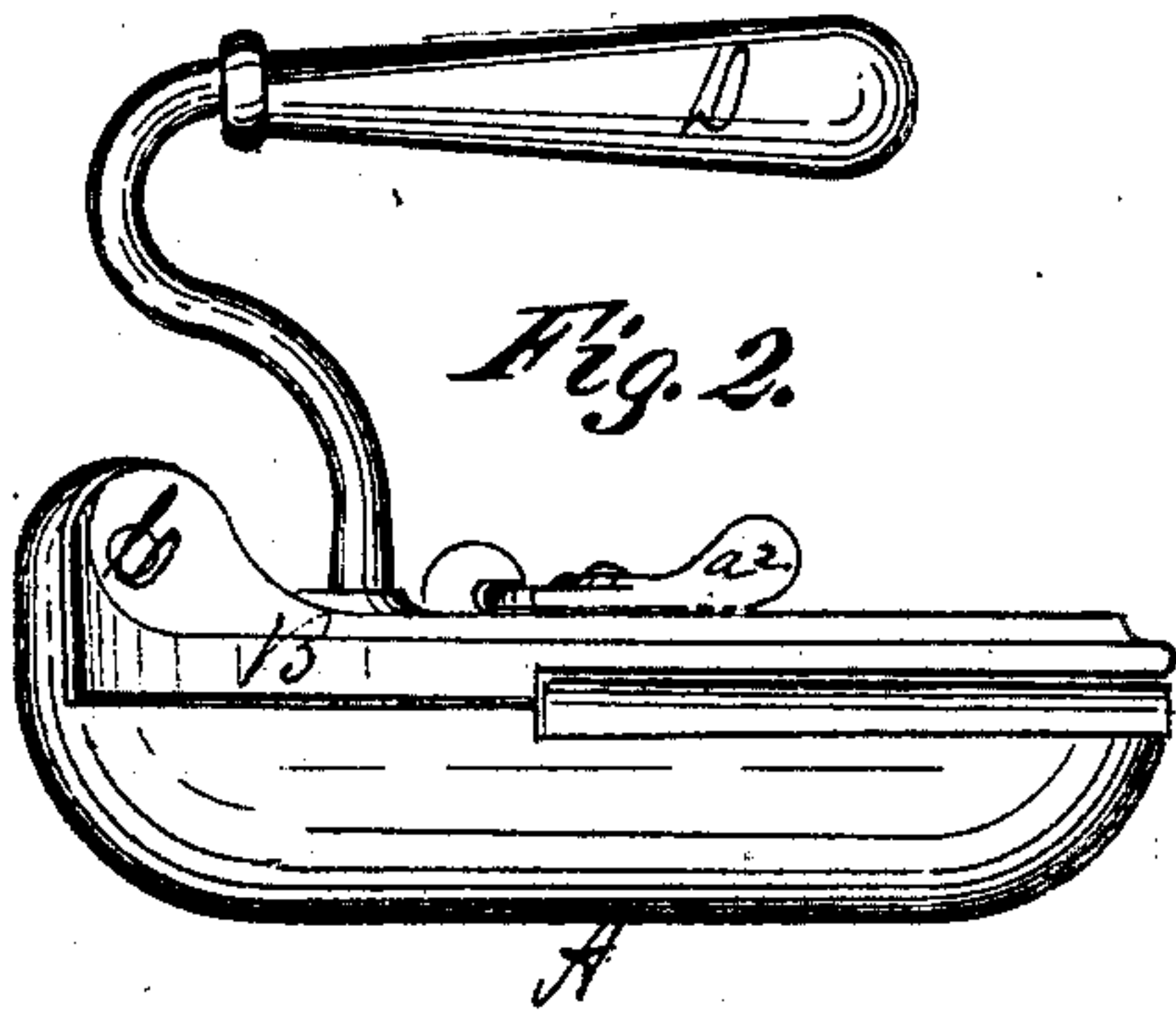
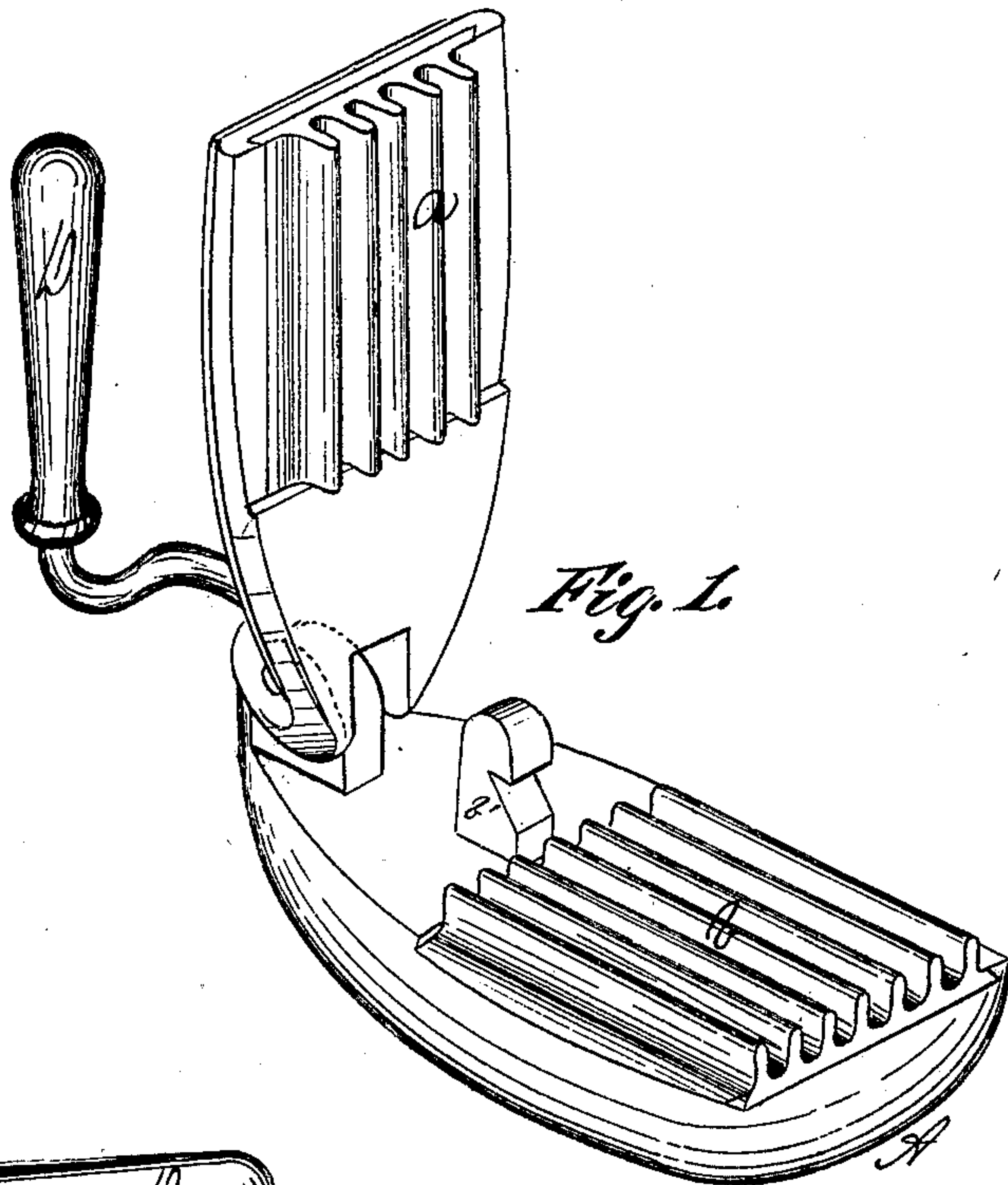
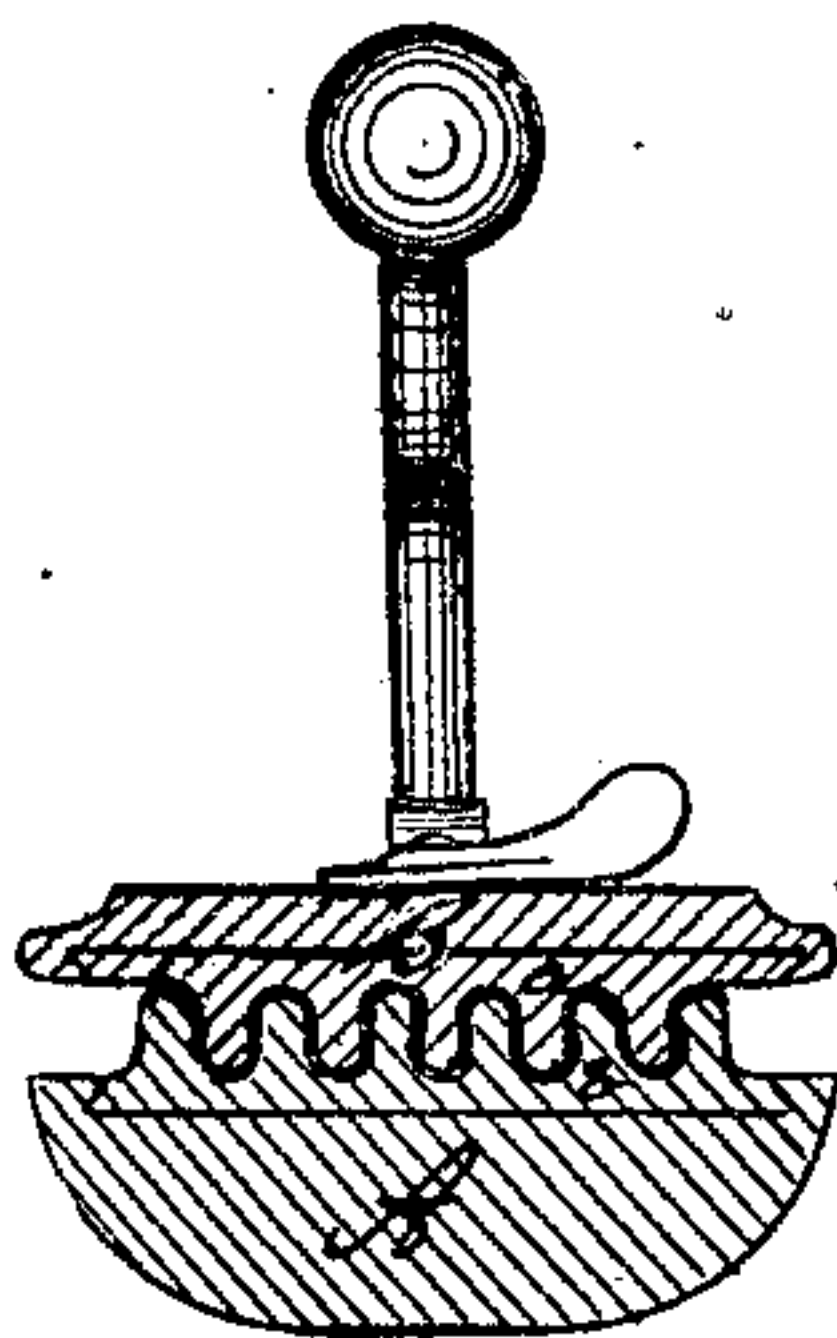


Fig. 3.



WITNESSES.

A. J. Root
B. F. Orbin

INVENTOR.

Chas. W. Monroe
by Beck & Miatt, Attys

UNITED STATES PATENT OFFICE.

CHARLES W. MONROE, OF CHICAGO, ILLINOIS, ASSIGNOR TO SUSAN M. MONROE
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IMPROVEMENT IN GLOSSING AND FLUTING IRONS.

Specification forming part of Letters Patent No. 121,885, dated December 12, 1871.

To all whom it may concern:

Be it known that I, CHARLES W. MONROE, of the city of Chicago, in the county of Cook and State of Illinois, have invented a certain new and Improved Glossing and Fluting Iron Combined, of which the following is a specification:

My invention has reference to that class of irons used exclusively for glossing starched goods; and consists in forming the glossing-iron in two principal parts or halves, the inside surface of each of said halves being furnished with a lining of non-corrosive metal, which is corrugated or fluted in the necessary manner to give the desired impression, the whole being arranged as hereinafter described.

In the drawing, Figure 1 is a perspective view of glossing-iron combined with my fluting device; Fig. 2, a side elevation of the iron as it appears with the halves closed together; Fig. 3, a cross-section through the fluted plates.

A is the base of the glossing-iron, and B the top, the two parts being connected together by means of a hinge, C, at the pointed end of the iron. Both these pieces are provided on their inner or joining surfaces with a lining of non-corrosive metal, *a b*, which is secured in place either by dovetailing, by screws, or in any convenient manner. The base piece A is also furnished with a catch or lug, *a*¹. In the top B is formed a slot to correspond in shape to the lug *b*¹, which latter penetrates through the said slot when the top and base are brought together, and the two parts are held firmly united by turning the pivoted button *a*² into the notch *a*¹. D is the handle, by means of which the iron is manipulated.

The operation of the invention is as follows: When it is desired to employ the fluting surface the iron is properly heated, and, after being removed from the stove to the place where it is to be used, the button *a*², which before was turned

so as to enter the notch *a*¹ on the lug *b*¹, is turned back and away from said notch, leaving the two parts A B free to be swung apart from each other upon the hinge C and expose the corrugated surface of the lining-plates *a b*. The top B may be brought over so far as to allow the handle D to rest upon the table or other supporting surface; or it may be held slightly elevated by means of the handle with one hand while the article to be fluted is inserted between the plates *a b* with the other hand. In either case, when the fabric has been properly adjusted with respect to the base A the top is pressed down upon said base, and so upon the article placed between the two pieces. As the ridges on the plate *a* match the depressions in the plate *b*, and all are uniform in size and smooth in surface, regular and finished flutings are formed in the starched fabric compressed or molded between the two plates. When it is desired to flute a space exceeding the width of the iron the top B is raised with one hand sufficiently to allow the material to be slipped along the breadth of said iron, when the top B is again brought down and the impression given as before; and so on, to any extent desired.

What I claim as my invention, and desire to secure by Letters Patent, is—

A combined glossing or calendering and fluting iron, consisting of the top B and bottom A, corrugated plates *a* and *b*, hinges C, lug *b*¹, and button *a*², the several parts constructed and arranged substantially as herein shown and described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

C. W. MONROE.

Witnesses:

C. C. PECK,
GEO. W. MIATT.

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