

J. E. SWIFT.

Improvement in Sad and Fluting Irons.

No. 116,115.

Fig. 1.

Patented June 20, 1871.

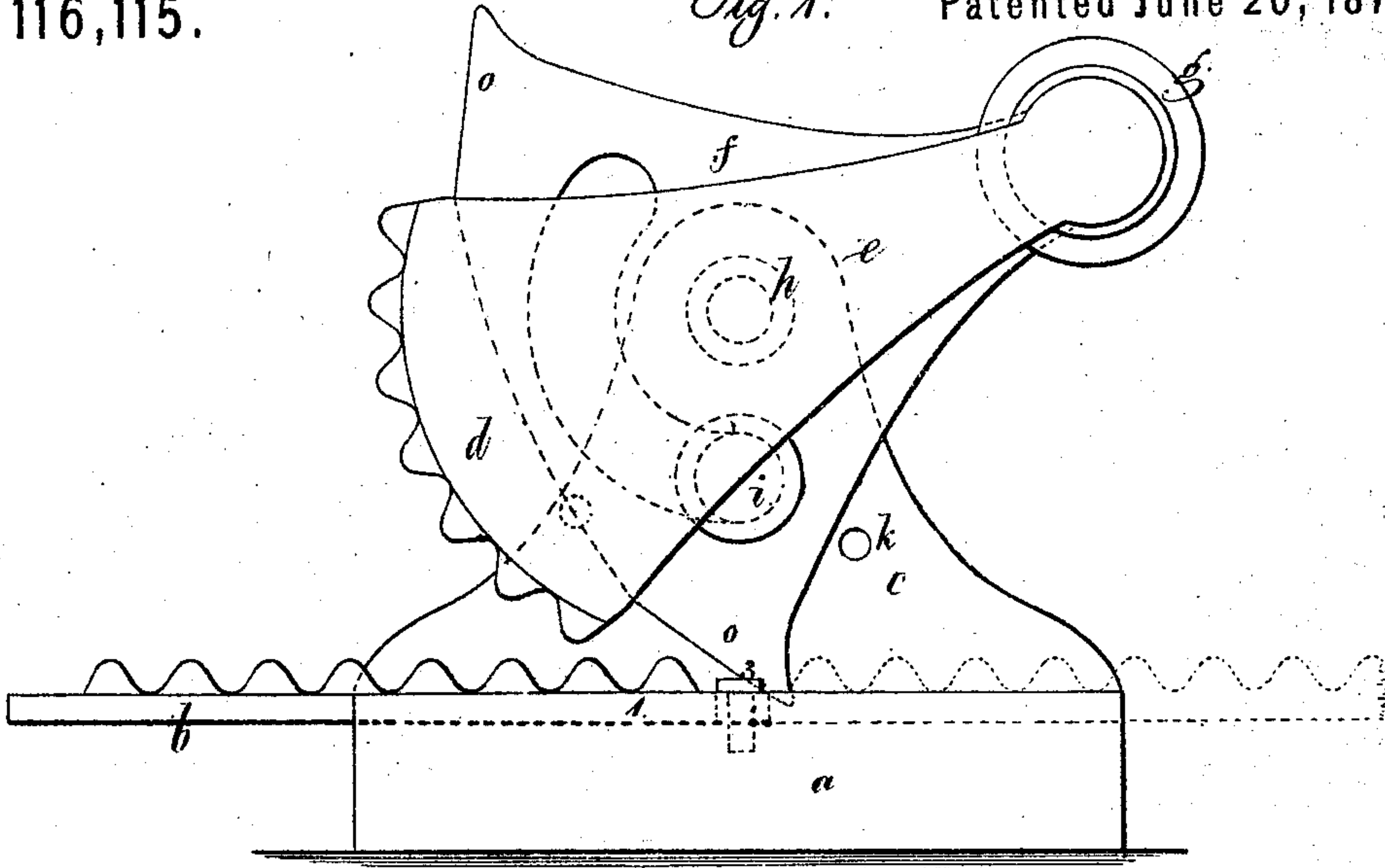
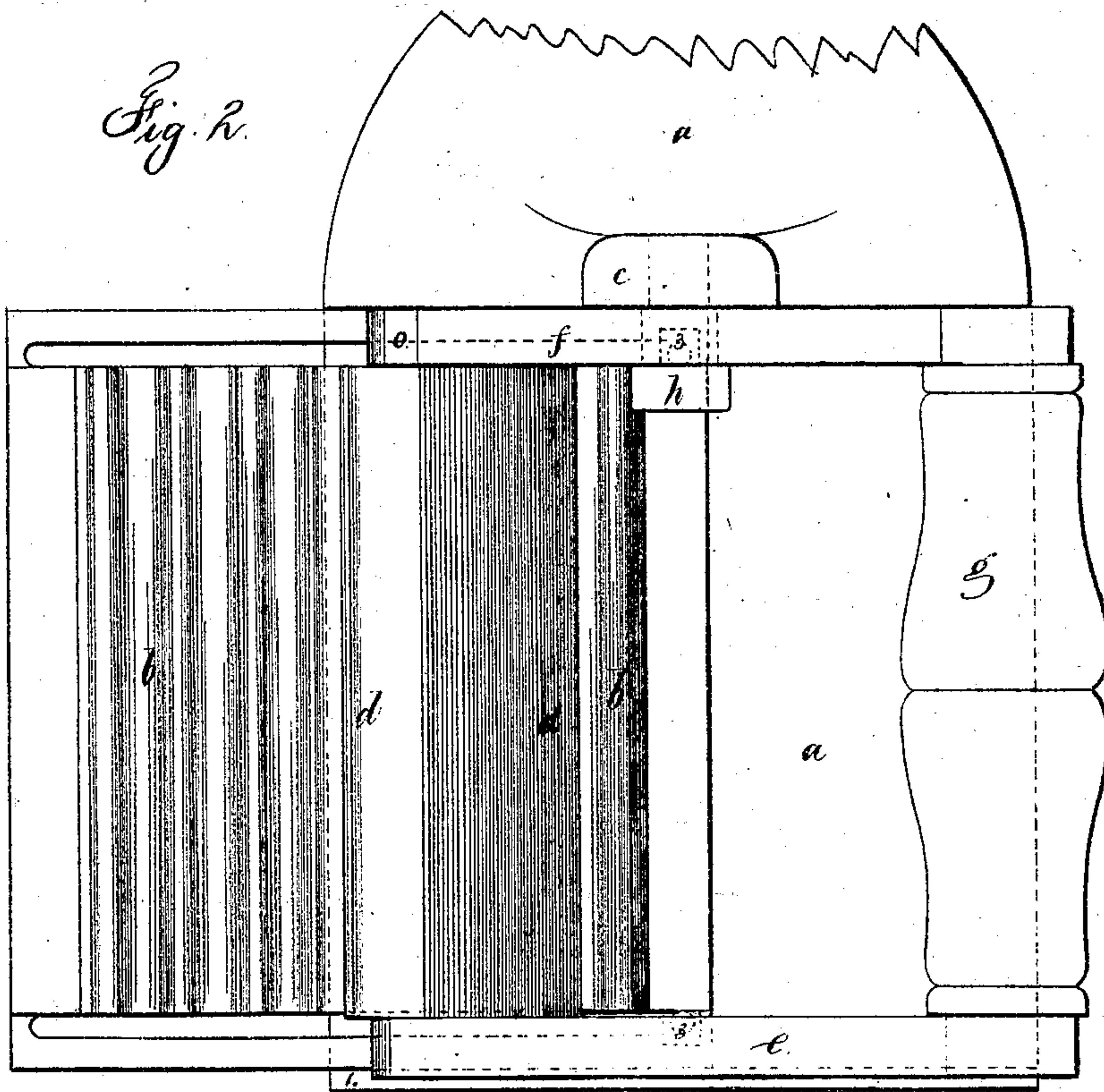


Fig. 2.



Witnesses

Chas. H. Smith
Geo. D. Walker

J. E. Swift.
Lemuel W. Perrell
attys.

UNITED STATES PATENT OFFICE.

JOSHUA E. SWIFT, OF NEW YORK, N. Y.

IMPROVEMENT IN SAD AND FLUTING IRONS.

Specification forming part of Letters Patent No. 116,115, dated June 20, 1871.

To all whom it may concern:

Be it known that I, JOSHUA E. SWIFT, of the city and State of New York, have invented and made an Improvement in Fluting-Irons; and the following is declared to be a correct description of the same.

Irons have heretofore been made in two parts, connected together so that the bottom can be employed in ironing clothes in the ordinary manner, and the same iron may be employed in fluting by unlatching the upper section and inserting the material between the corrugations or ribs upon the respective sections. In fluting-irons of this kind there is difficulty in introducing the material, because the upper section of the flutes has to be held up with one hand while the fabric is manipulated by the other hand.

My invention is made for obviating this difficulty, and consists in a swinging fluted segment combined with a sliding bed upon the bottom section of the fluting-iron, the parts being so arranged that the segment can be swung clear of the sliding bed to give space for introducing the fabric freely, and adjusting it by the use of both hands, and then swinging said segment and sliding the bed in the act of fluting; and I employ upon the said segment a stop that holds the sliding bed from moving accidentally when the goods are being adjusted, thereby insuring the proper matching of the flutes when the segment is turned.

In the drawing, Figure 1 is an elevation of the iron with the segment swung aside for the reception of the fabric, and Fig. 2 is a plan of the same.

The bottom of this iron may or may not be employed as a smoothing-iron, and may be of any desired size or shape.

The base or lower section *a* of this iron is made to receive the bed *b* that is formed with an upper fluted surface, and can be moved transversely across the bed *a*, between the rib 1 and the standard *c*, and said bed *b* may be attached by a rivet or screw, at 3, in a slot in said bed *b*. The swinging fluted segment *d* is connect-

ed, by the end pieces *e* and *f*, with the handle *g*, and the rivet or screw *h* forms a center for segment *d* to swing upon, and a means for attaching the same to the standard *c*. The turning or swinging movement of the segment *d* is limited by a segmental slot and pin, *i*; and a sliding bolt or pin, at *k*, may be employed to hold the parts from swinging when the handle *g* is above the rivet *h*, so that the article can be employed as an ordinary smoothing-iron.

When used for fluting the iron is to be heated, the segment *d* turned, and the bed *b* slid into the position shown in Fig. 1, and the fabric centered between the flutes; and, upon swinging the fluted segment *d*, the fabric will be fluted as said segment *d* and bed *b* move together. By turning the segment *d* into the position of Fig. 1 the flutes will be separated after the bed *b* has been slid to its extreme movement, and the projection *o* at the side of the segment *d* will press against the edge of the sliding bed and arrest the movement of the segment, and also retain the bed *b* in position, so that the flutes will come properly together in performing the fluting.

The pin *i* in the segmental slot serves to support the iron *a* when used as an ordinary smoothing-iron, and relieve the rivet or screw *h* of undue strain.

I claim as my invention—

1. The swinging fluted segment *d*, in combination with the sliding bed *b*, handle *g*, and iron *a c*, substantially as set forth.
2. The stop *o* upon the swinging fluted segment *d*, in combination with the fluted sliding bed *b* and iron *a c*, substantially as and for the purposes set forth.
3. The pin *i* in a segmental slot in the portion *f* of the handle, in combination with the pin or rivet *h*, smoothing-iron *a*, standard *c*, and fluted segment *d*, substantially as and for the purposes set forth.

Signed by me this 23d of May, A. D. 1871.

JOSHUA E. SWIFT.

CHAS. H. SMITH,
GEO. T. PINCKNEY.