

M. Fowler.

Die for Closing Buckle.

N^o 74335

Patented Feb. 11, 1868.

Fig. 1.

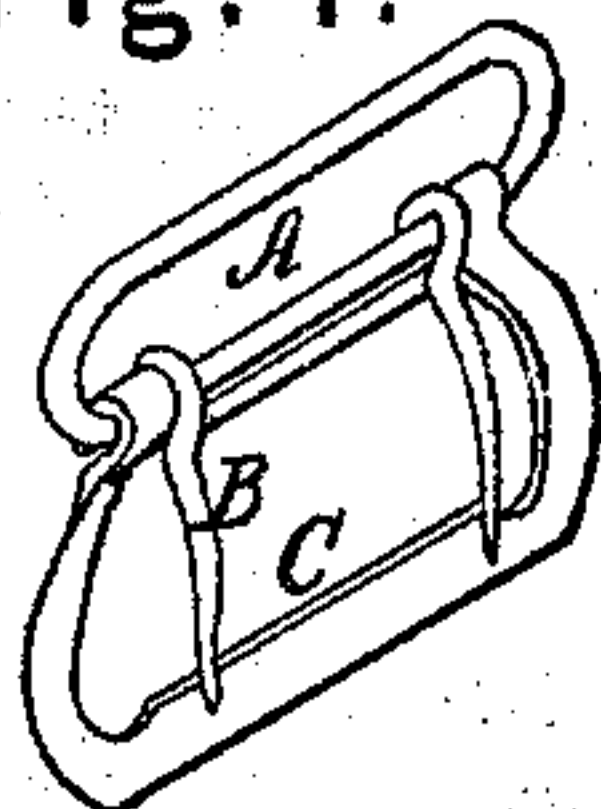


Fig. 2.

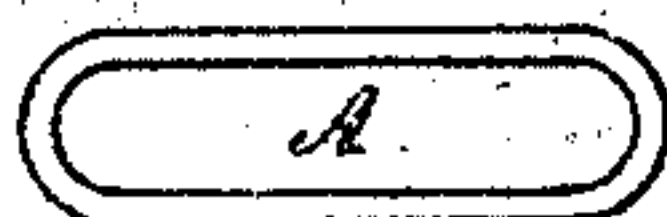


Fig. 3.



Fig. 4.

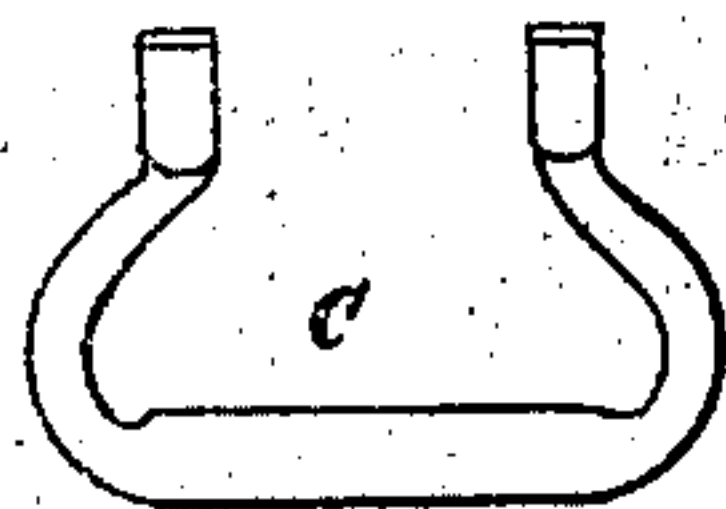


Fig. 5.

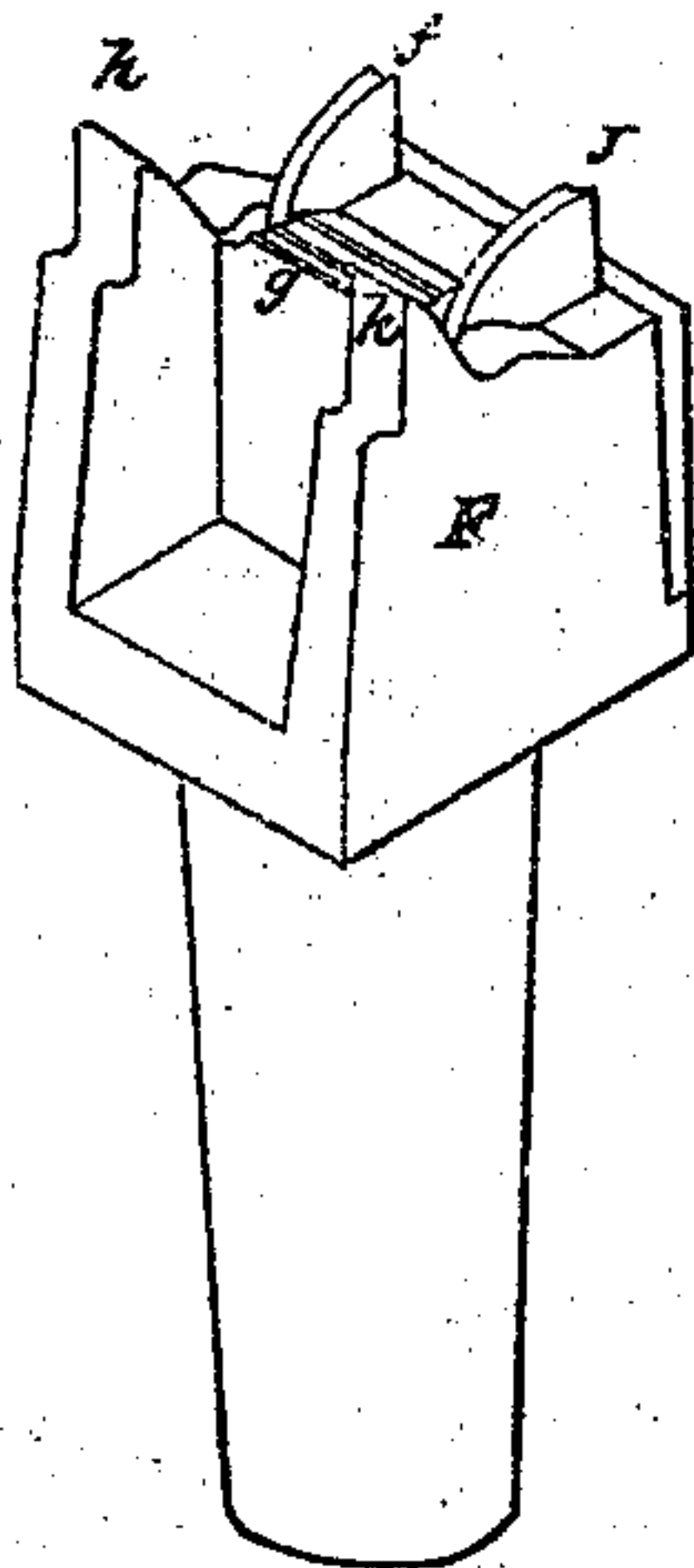


Fig. 6.

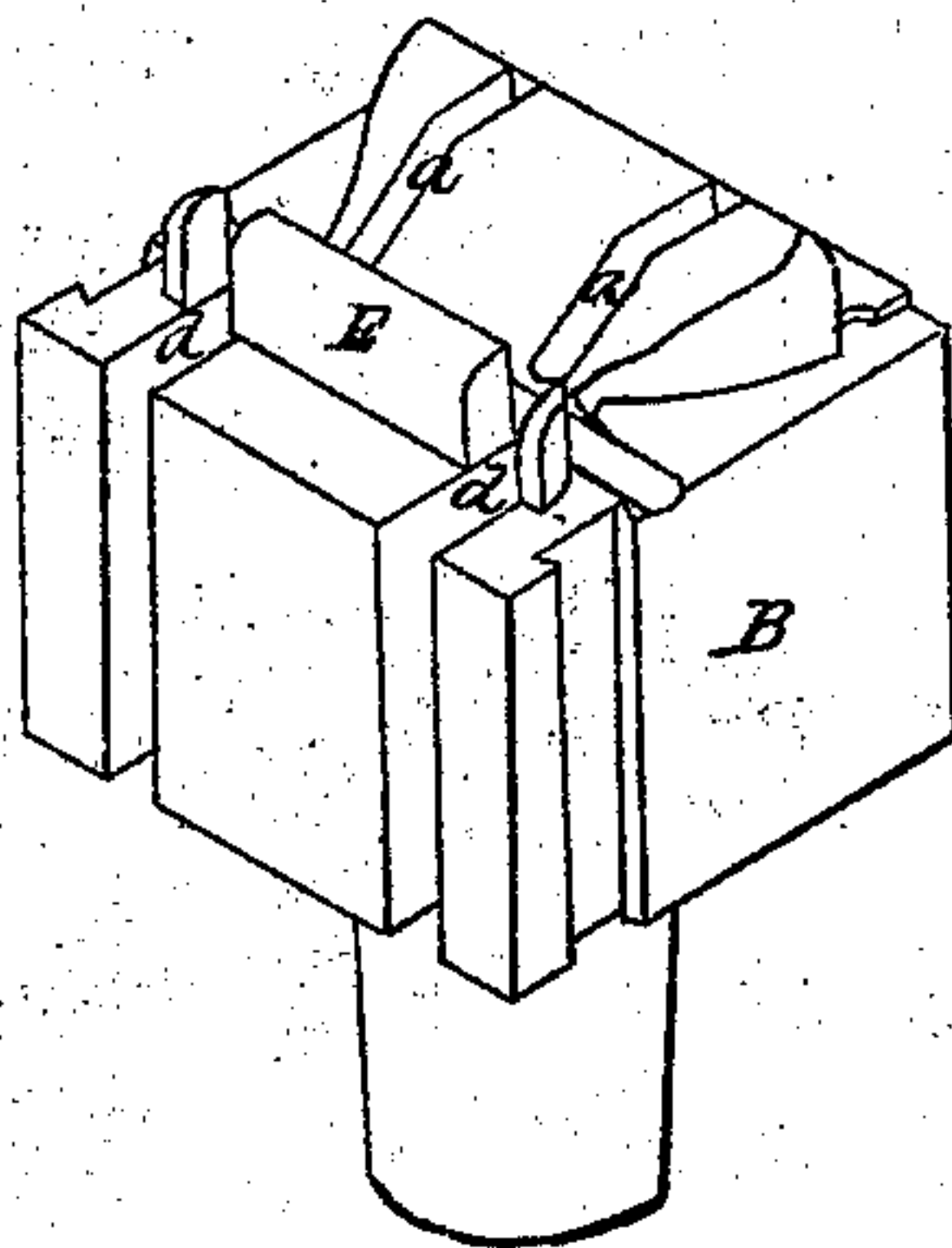
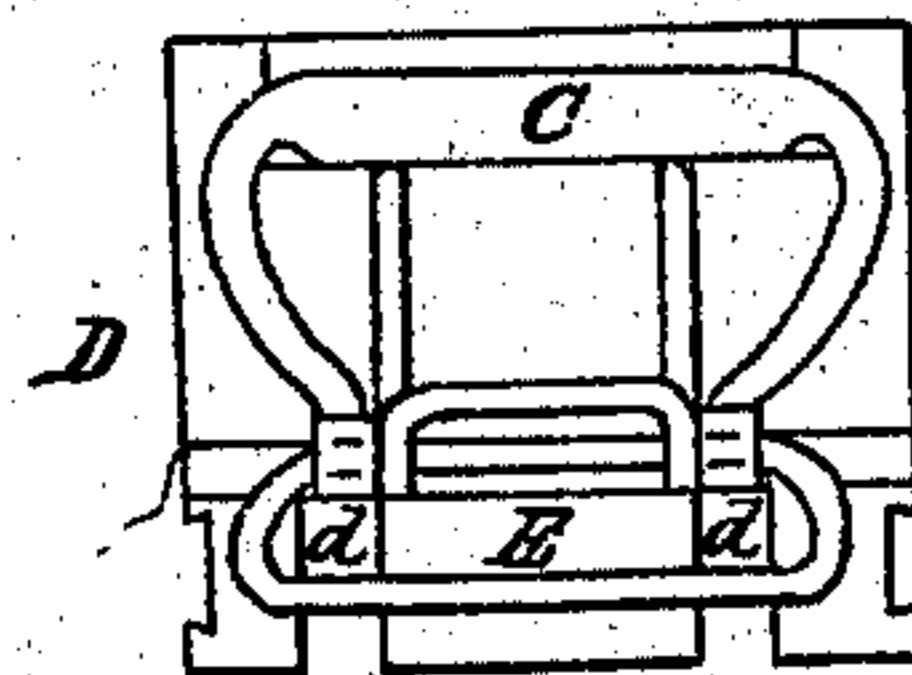


Fig. 7.



Witnesses.

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MERWIN FOWLER, OF WOLCOTTVILLE, CONNECTICUT.

Letters Patent No. 74,335, dated February 11, 1868.

IMPROVEMENT IN DIES FOR CLOSING BUCKLES.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, MERWIN FOWLER, of Wolcottville, in the county of Litchfield, and State of Connecticut, have invented a new Improvement in Dies for Closing Buckles; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the buckle for the manufacture of which the dies are designed.

Figures 2, 3, and 4, the three parts of the buckle detached.

Figure 5, a perspective view of the upper part of the die inverted.

Figure 6, a perspective view of the lower part of the die, and in

Figure 7, a top view of the lower part of the die, with the buckle laid thereon, as when completed.

This invention relates to an improvement in the manner of closing a buckle, composed of three parts, the loop A, tongue B, and frame C, and the peculiar buckle for which these are designed was patented in 1862.

The frame C is first prepared, with its two ends flattened, and partially turned up, as seen in fig. 4; the tongue B from a single piece of wire, each end pointed, as seen in fig. 3; and the bow, A, a single straight loop, as seen in fig. 2. The tongue is laid between the two ends of the frame, then the loop laid into both, and the bend of the tongue and the two ends of the frame are turned over one side of the loop, as seen in fig. 1.

Heretofore it has required two operations to close the parts. My invention, whereby the same work is performed by one operation, consists in the peculiar construction of the dies, upon the lower part of which the three parts of the buckle are placed, and the upper part corresponding is folded down upon and so as to close the several parts together.

To enable others to construct my improvement, I will proceed to describe the same, as illustrated in the accompanying drawings.

The lower part, D, of the die, has a projection upon its upper surface corresponding to the form of the frame C; also, a projection, E, around which the loop is set, as seen in fig. 7, and so that the loop will lie into the two ends of the frame. Two recesses, *a*, are formed in the frame projection, to receive the two points of the tongue, the bent portion of the tongue lying against the front of the projection E, and two recesses, *d*, through the projection E, receive the two ends of the frame, when laid thereon. The upper face of part F of the die, as seen in fig. 5, has two projections, *f*, corresponding to the two recesses *a*, and so as to give form to the tongues, as seen in fig. 1. Two other projections, *h*, correspond to the recesses *d*, and enter the said recesses, so as to strike the turned-up end of the frame, and turn the ends down over the loop, as seen in fig. 7; and the former, *g*, on the upper part, F, (as seen in fig. 5,) as the dies come together, strikes the bent-up portion of the tongue, and turns that down upon the loop, as seen in fig. 7. Thus the three blank parts, placed upon the lower die, and the upper die forced down thereon, closes the three parts, and completes the buckle.

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

The dies, constructed as herein described, for closing a three-part buckle, in the manner as set forth.

MERWIN FOWLER.

Witnesses:

JOHN E. EARLE,

A. J. TIBBITS.