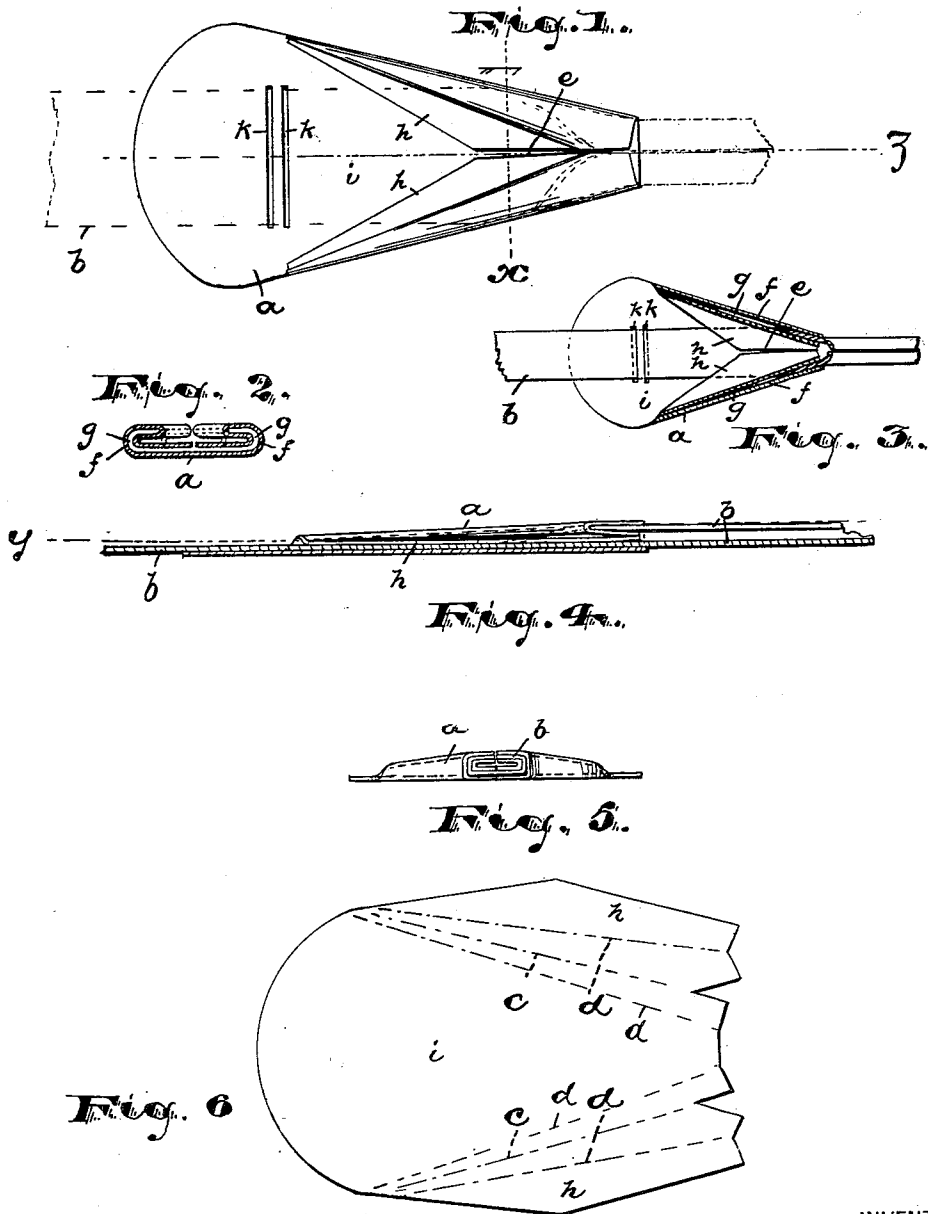


B. COHEN.
STRAP FOLDING DEVICE.
APPLICATION FILED SEPT. 20, 1902.

NO MODEL.



WITNESSES:

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BURNETT COHEN, OF NEWARK, NEW JERSEY.

STRAP-FOLDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 733,700, dated July 14, 1903.

Application filed September 20, 1902. Serial No. 124,123. (No model.)

To all whom it may concern:

Be it known that I, BURNETT COHEN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented and produced a new and original Improvement in Strap-Folding Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The objects of this invention are to facilitate the work of folding the opposite edges of straps of cloth or other material, more particularly for the purpose of making trimmings for dresses, cloaks, and other garments; to reduce the labor, cost, and time involved in making such trimmings, and to secure other advantages and results, some of which may be hereinafter referred to in connection with the description of the working parts.

The invention consists in the improved strap-folding device and in the arrangements and combinations of parts of the same, all substantially as will be hereinafter set forth, and finally embraced in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a plan of my improved strap-folding device. Fig. 2 is a section of the same, taken through line *x* of Fig. 1. Fig. 3 is a section on a reduced scale through line *y* of Fig. 4. Fig. 4 is a section of the device on line *z*, Fig. 1. Fig. 5 is an end view, and Fig. 6 is a plan, of the blank from which the folding device is constructed.

In said drawings, *a* indicates the device, and *b* the strap undergoing the folding operation. The said folding device comprises a single integral plate of sheet metal, such as commercial tin or sheet-brass. This blank, as shown in Fig. 4, is of an irregular oblong shape and is adapted to be folded on lines *c d*. The opposite sides of said sheet or plate are first folded on line *c*, (indicated in said Fig. 6,) the said lines converging from the rear edge toward the front near the center axis.

Between the folds of metal thus folded are formed narrow passages *g*, sufficient in width to permit the strap to be easily run there-through, the folds of metal not being brought into close contact. After having been folded on lines *c c*, above referred to, the folded metal on the opposite sides of the longitudinal axis of the device is again folded on lines *d d*, the extreme edges of the metal at each fold being brought nearly but not quite together, as shown in plan in Figs. 1 and 3. A passage *e* is formed between the said edges, through which a needle may be thrust to serve in feeding the strap through the U-shaped passage-ways between the folds. After the forward end of the strap has been once fed through and has issued out from the device it can be grasped by the hand, and the subsequent feeding can be performed by hand. The body of the plate in the axial center thereof is provided with guide-slots *k k*, through which the strap may be thrust, and thus held in place when the same is drawn through the device.

On feeding the strap through the device the opposite edges of the strap engage the inclined side walls *f f* of the passages *g* through the device, and the opposite sides of said strap are turned over toward the center of the strap to effect a folding, as will be understood upon examination of Figs. 1 and 3.

In operating the device the same is grasped in one hand and the flat or unfolded strap by the other. The end of the strap is then thrust through the guide-slots *k* and under the converging edges of the folds *h h*. The strap being pushed along the central or body portion *i* of the plate strikes the inclined and upwardly-turned walls *f*, and is thus bent and gradually folded over the edges, the folding being substantially complete as the strap issues from the passage.

Having thus described the invention, what I claim as new is—

1. The improved folding device for straps, comprising an oblong sheet-metal piece having its opposite sides twice folded on lines inclined to the longer axis of the device, the folds forming U-shaped passages adapted to turn the opposite edges of the strap as the same is drawn therethrough.

2. The improved folding device comprising

the bent piece of metal having converging inclined walls *f*, and four folds or plies of metal at each side with passages between the plies or folds, and guide-slots arranged transversely at the longitudinal axis of said device.

5 3. The improved strap-folding device comprising a piece of sheet metal bent at opposite sides on lines at angles to and on opposite sides of the axis of the device, the two
10 lines of bending at each side of said axis be-

ing at angles to one another, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of September, 1902.

BURNETT COHEN.

Witnesses:

CHARLES H. PELL,
C. B. PITNEY.