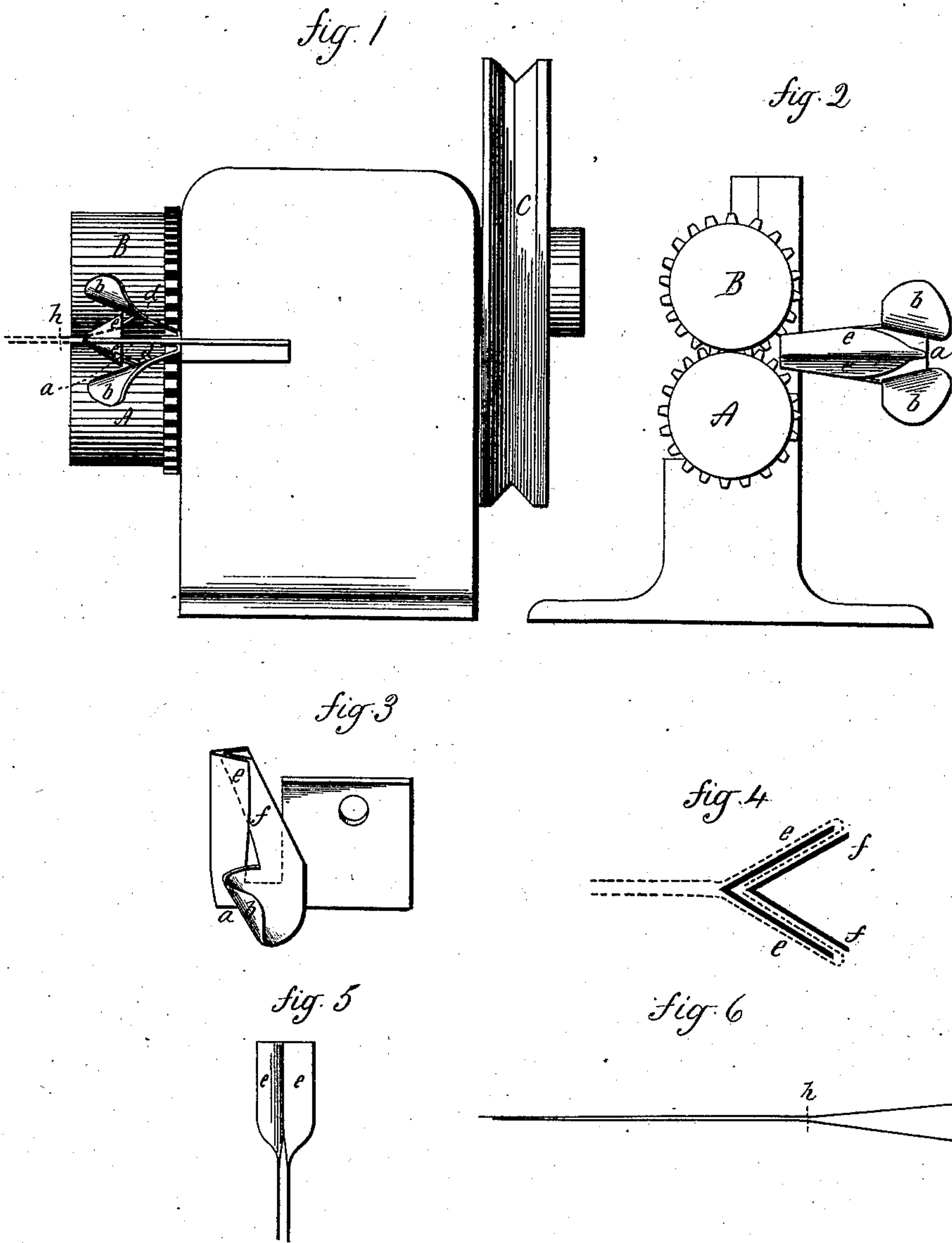


(No Model.)

M. P. BRAY.
Machine for Folding Corset Parts.

No. 231,896.

Patented Sept. 7, 1880.



Witnesses:
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Jas. C. Earle

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UNITED STATES PATENT OFFICE.

MORRIS P. BRAY, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO MAYER
STROUSE & CO., OF SAME PLACE.

MACHINE FOR FOLDING CORSET PARTS.

SPECIFICATION forming part of Letters Patent No. 231,896, dated September 7, 1880.

Application filed May 3, 1880. (No model.)

To all whom it may concern:

Be it known that I, MORRIS P. BRAY, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Machines for Folding Corset Parts; 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, front view; Fig. 2, end view; Fig. 3, top view of the guide; Fig. 4, the delivery-end of the guide; Fig. 5, edge view of the plate *a*, showing its division to form the two sides *e e*; Fig. 6, section of the part as prepared for folding.

This invention relates to a device for turning in the raw edge of corset parts.

In the manufacture of corsets the edges of the parts are generally in irregular or curved lines. These parts are cut from the fabric broader than they are to be in the corset, and the edges are turned over so as to present a finished edge, and so as to avoid what would be otherwise a raw edge. Hitherto these edges have usually been turned by hand.

The object of this invention is the construction of a machine to do the work more rapidly as well as more perfectly; and the invention consists in the construction, as hereinafter described, and more particularly recited in the claims.

A B represent two rolls arranged in bearings and geared together so as to revolve with equal surface velocity, one of which should be supported so as to yield or bear with a spring-pressure. The axes of the two are parallel, and they are caused to revolve by the application of power thereto through a pulley, C, or otherwise. The bearings are entirely at one end of the rolls, and so as to leave the other end free and exposed, as seen in Fig. 1.

The folding-guide is arranged in a plane parallel with the axes of the two rolls and on a line with the space between the said rolls, to deliver the folded edges of the fabric directly between the rolls, and so that the folds will be compressed by the rolls, as hereinafter described. The said guide consists of a central dividing-plate, *a*, upon each side of which one of the thicknesses of the fabric is intro-

duced, and on each side of the plate are guide-wings *b*, forming a mouth, *d*, each side of said plate *a*, to guide the fabric. Inside the wings the plate *a* divides, as seen in Fig. 5, and gradually expands into a V shape, forming the two sides *e e*. (See Fig. 4.) The wings *b* continue and enter beneath the two sides *e e* in the form of blades *f*, and gradually assuming a corresponding V shape within the two sides *e e*, as seen in Fig. 4, but so as to leave a space between the blades *f f* and the two sides *e e* for the fabric to pass. This completes the folder.

The fabric forming the part to be folded is first stitched together back from the edge, as at *h*, Fig. 6, leaving the two edges to be folded open. Then the said two edges are introduced, as indicated in broken lines, Fig. 1, passing respectively between the wings *b b*, and plate *a*, striking the upper edge of the blades *f*, which are inclined, as seen in Fig. 3, causes the edge to turn inward between the blades *f f* and their respective sides *e e*, (see Fig. 4,) and in that condition are delivered to the rolls, which press the edges thus folded and serve to draw the fabric through the folder.

I do not broadly claim a folding-guide arranged to deliver the folded fabric to a pair of rolls to compress the fold, as such, I am aware, is not new; but

What I do claim is—

1. The combination of the two rolls A B, geared together for equal surface-motion and arranged in bearings at one end of the rolls so as to leave the other end free and unobstructed, with a double folder arranged in a line or plane parallel with the axes of the rolls and in line with the space between the rolls, and so as to deliver the two folded edges of the fabric directly between the rolls, substantially as described.

2. The herein-described double folder, consisting of the plate *a*, divided and terminating in the V-shaped sides *e e*, with the wings *b b*, forming a mouth *d* each side said plate *a*, and constructed with blades *f*, extending within the said V-shaped sides *e e*, substantially as described.

MORRIS P. BRAY.

Witnesses:

JOS. C. EARLE,
J. H. SHUMWAY.