I. L. YOST.

BIAS BAND FOLDER.

APPLICATION FILED JULY 3, 1908.

945,432. Patented Jan. 4, 1910.

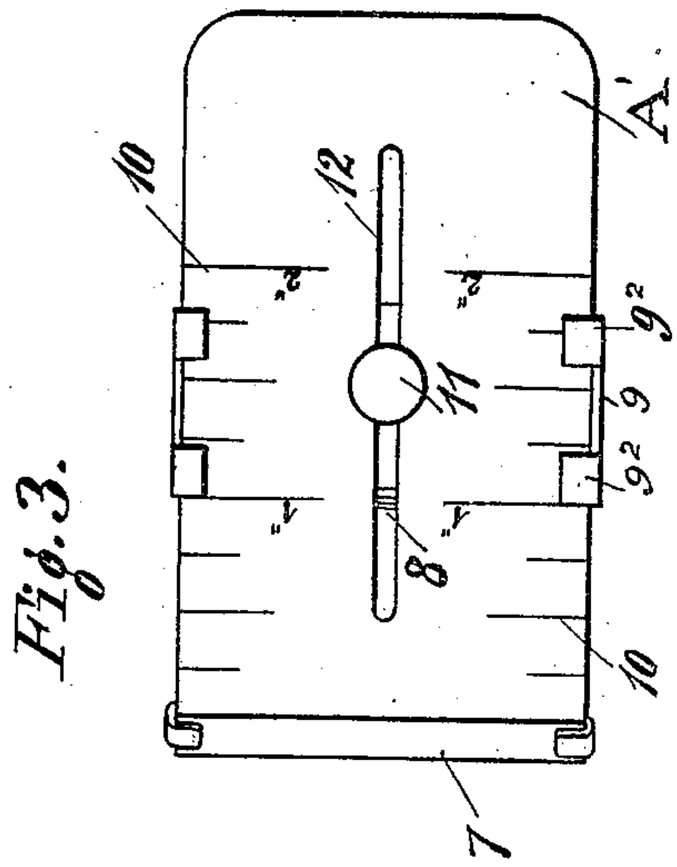

Fig. 3.

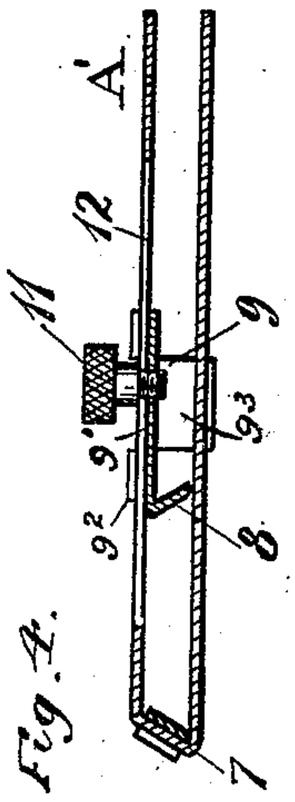

Fig. 4.

Fig. 2.

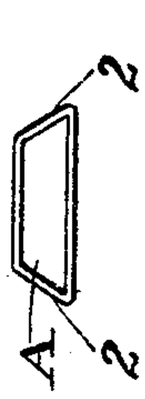

Fig. 1

WITNESSES

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ISABELLE L. YOST, OF OAKLAND, CALIFORNIA, ASSIGNOR OF ONE-HALF TO RAYMOND W. TAYLOR, OF OAKLAND, CALIFORNIA; AND ONE-HALF TO FELTON TAYLOR, OF SAN FRANCISCO, CALIFORNIA, AND MONTELL TAYLOR AND CHURCHILL TAYLOR, OF OAKLAND, CALIFORNIA, TRUSTEES.

BIAS-BAND FOLDER.

945,432. Specification of Letters Patent. Patented Jan. 4, 1910.

Application filed July 3, 1908. Serial No. 441,826.

To all whom it may concern:

Be it known that I, ISABELLE L. YOST, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented new and useful Improvements in Bias-Band Folders, of which the following is a specification.

My invention relates to a device for folding bias bands.

In the dressmaking art it is common to make bands for trimming and others things by cutting a piece of cloth on the bias and then folding the edges of the band toward each other and pressing down the overfolded edges with a flat-iron. Heretofore, while this work has been done by hand, it is not only very tedious, but it is a difficult matter to preserve a uniform width throughout the completed band.

The object of my invention is to provide a simple, cheap, practical device into which the original bias strip may be inserted, and then by the simple act of drawing this strip through the device, and applying a flat-iron as the folded strip issues from the device, the completed bias band is obtained most readily in any desired lengths or quantity.

The invention consists of the parts and the construction and combination of parts as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is an end view. Fig. 2 is a perspective view. Fig. 3 is a plan view of a modification. Fig. 4 is a longitudinal section.

In the simplest form of the invention I employ a die or shaper or former A preferably of sheet-metal which is essentially trapezoidal in cross-section, the base portion of the former corresponding in inside width to the width of the finished bias band which is to be folded; the convergent sides 2 of the former including such angles between the upper and lower walls of the former as to cause the edge portions 3 of the bias strip 4 which is to be folded, properly to fold in toward each other, so that these side portions 3, as the strip is pulled out of the former and underneath the flat-iron, represented at 5, will be pressed down flat on to the body of the bias strip to produce the finished bias band represented at 6. With the form of the device just described, the same is made just for one particular width of bias band, each different width of bias band requiring a different shaper or former.

In Fig. 3, I have shown an adjustable device adapted to fold in a similar manner bias strips of any desired width. In this case the shaper or former has the fixed upper and lower walls with one fixed side 7 and a movable, inclined wall 8; the wall 8 being carried by a suitable sliding carriage 9 which is adjustable back and forth on the former A′. This carriage may be formed from a single piece of metal having a portion 9′ to which the inclined wall is fixed and having sides 93 which extend down over the edges of the former and having lugs 92 adapted to be bent over the upper and lower walls of said former to form a sliding connection therewith. The carriage is readily insertible through the opened end of the former and may be fixed in any of its adjustments by means hereinafter described. The former is suitably marked or graduated according to different bias fold widths, as represented at 10, and the carriage is slidable in relation to these graduations to vary the distance between the walls 7 and 8. A set screw 11 carried by the carriage and working in a slot 12 in the top of the former serves as a finger-hold to manipulate the carriage and also to lock the carriage at any desired point. In this case, just as in the device first described, the interior shape in cross-section of the former is essentially trapezoidal, so as to insure the proper infolding of the edges of the bias strip.

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

1. A bias band folder having upper and lower walls connected at one side by an inclined wall, the other opposite side of the structure being open, said upper wall having a longitudinally extending slot, and a carriage movably mounted beneath said upper wall and having a wall inclined oppositely to the angle of said fixed side, said inclined walls forming a fabric receiving space which diverges downwardly from the top wall of the structure, and a set screw passing

through said slot and engaging the carriage for operating the same and locking it at any desired point.

2. A bias band folder comprising fixed upper and lower walls connected at one side by an inclined wall, the other side of the structure being open, a carriage embracing the upper and lower walls of the structure and having a wall below said upper wall with an end inclined oppositely to the inclined wall of said structure, said upper wall having a slot, and a set screw on the carriage passing through said slot and engaging the carriage for operating the same and locking it at any desired point.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ISABELLE L. YOST.

Witnesses:

MONTELL TAYLOR,

J. H. YOST.