No. 772,491. PATENTED OCT. 18, 1904.

W. A. ZEIDLER.

PLAIT RAISER.

APPLICATION FILED APR. 8, 1904.

NO MODEL.

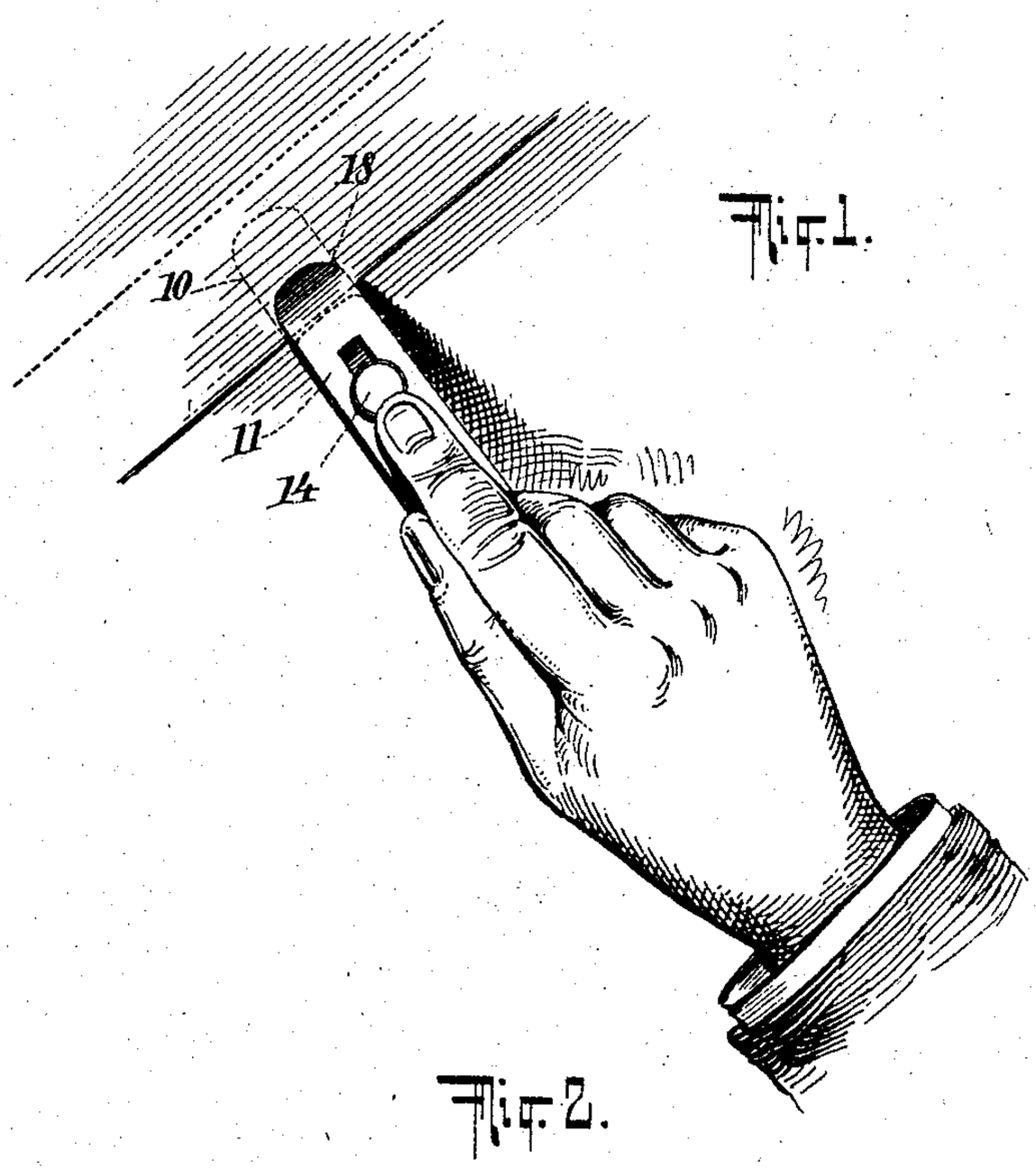


Fig. 1.

Fig. 2.

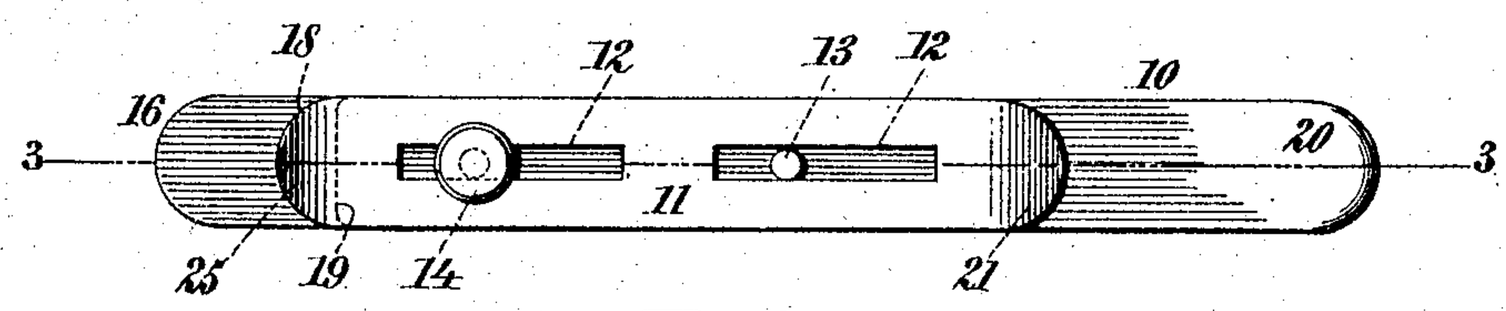


Fig. 3.

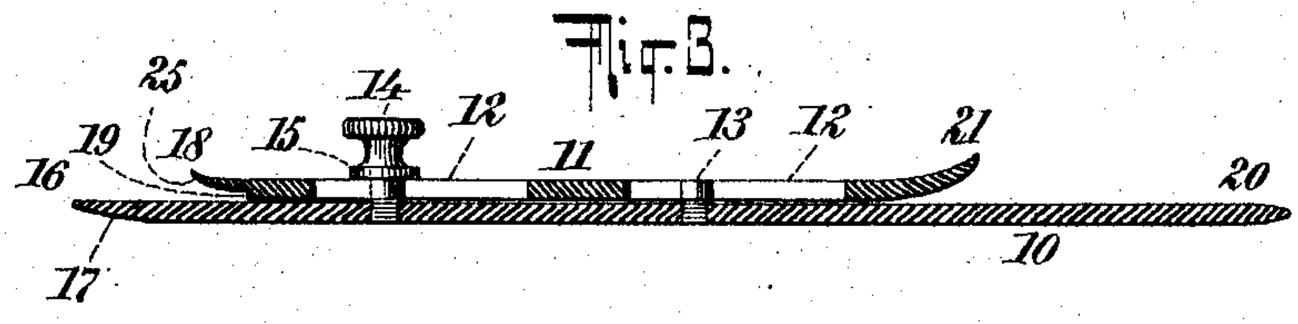
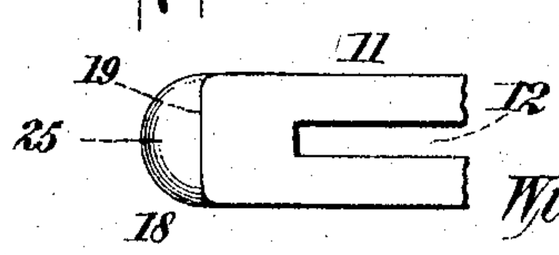


Fig. 4.



WITNESSES:

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No. 772,491. Patented October 18, 1904.

UNITED STATES PATENT OFFICE.

WILLIAM A. ZEIDLER, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO GILBERT A. CLARK, OF NEW YORK, N. Y.

PLAIT-RAISER.

SPECIFICATION forming part of Letters Patent No. 772,491, dated October 18, 1904.

Application filed April 8, 1904. Serial No. 202,133. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. ZEIDLER, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Plait-Raisers for Use in Laundering Shirt-Bosoms and other Articles, of which the following is a specification.

The invention relates to improvements in plait-raisers for use in laundering shirt-bosoms and other articles; and it consists in the novel instrument hereinafter described and claimed.

The object of the invention is to produce a convenient instrument by which after a plaited shirt-bosom or other article has been ironed flat the plaits thereof may be raised from the body of the shirt-bosom without marring or injury to the shirt or plait, and in carrying out my invention I provide in the preferred construction a blade having a beveled end, and a longitudinally-adjustable slide on said blade and having at its end, which is set a suitable distance inwardly from the end of the blade, an upwardly-inclined lip, and a transverse shoulder below and disposed inwardly from the outer end of said lip, the purpose being that while the end of said blade is being moved along below a plait the said lip shall move correspondingly above said plait with said shoulder engaging the longitudinal edge of the plait, and thereby uniformly guiding the blade and insuring the proper uniform treatment of the plait.

The invention will be fully understood from the detailed description hereinafter presented, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view illustrating in use a plait-raiser embodying my invention. Fig. 2 is a top view of same. Fig. 3 is a longitudinal section of same on the dotted line 3 3 of Fig. 2, and Fig. 4 is a bottom view of the operating end of the slide.

In the drawings, 10 designates the blade, and 11 the adjustable slide thereon, said slide being provided with longitudinal slots 12 and guided on a pin 13 and set-screw 14. The pin 13 is rigid with the blade 10, and the set-screw 14 engages a threaded aperture in said blade and is provided with a shoulder 15 to bear upon the upper surface of the slide 11 for binding said slide in such position as may be given to it.

The end 16 of the blade 10 is the one which coöperates with the slide 11, and said end, viewed either from above or below, is rounded or of substantially semicircular outline, so that there may be no sharp corners where the edges of said end merge into the side edges of the blade, and said end 16 is along its curved edges beveled upwardly, as denoted at 17, these beveled surfaces merging or curving into the lower surface of the blade without leaving any sharp corner edges along the base-line of the bevel.

The slide 11 is secured upon the blade 10, and its end 18 is the one which coöperates with the end 16 of said blade, and the said end 18 of the slide is rounded, viewed either from above or below, and is formed at its lower side with the transverse shoulder 19, outwardly beyond which said end 18 curves upwardly to some extent and forms a lip 25, adapted to move over the upper side of a plait while the end 16 of the blade is moving under the plait. The relation of the end 18 of the slide 11 to the end 16 of the blade 10 will be governed by the width of the plaits to be treated, for which reason said slide is made adjustable, it being desired that the end of the blade shall penetrate to a uniform depth below the plait and shall not reach the line of stitches at the inner edge of the plait. The end 20 of the blade 10 is rounded and beveled both upwardly and downwardly and may be conveniently used for raising extra wide plaits or separating other surfaces which have become attached together during the ironing processes. The end 21 of the slide 11 is rounded and turned upwardly to present a finger-piece by which the slide may be conveniently moved by the pressure of the finger or thumb when the screw 14 has been loosened to permit of the adjustment of the slide. The invention is not confined to the special formation of the end

20 of the blade or the end 21 of the slide nor to the details connected with the adjustability of said slide.

When the instrument is in use, it will be held in an inclined position or at an angle to the surface of the shirt-bosom or other article under treatment, and it is for this reason and to secure the most efficient results that the end 18 of the slide or member 11 curves upwardly and that end 16 of the blade 10 is beveled upwardly.

In the employment of the instrument the shoulder 19 being at a proper distance inwardly from the end 16 of the blade, said end of said blade will be inserted below the plait with the instrument at a right angle thereto until the edge of the plait is met by the shoulder 19, and thereupon the operator will while holding said instrument in an inclined position move the same along the length of the plait, the end of the blade moving along under the plait and bearing upon the fabric below the same, while the shoulder 19 moves along the outer edge of the plait, and the lip 25 of the member 11 travels above the plait and aids in guiding the instrument and in imparting a proper appearance to the plait.

I prefer that the lip 25 and shoulder 19 be formed on an adjustable or slide member 11, so that the one instrument may be used for raising plaits of various widths; but I do not limit the invention in every instance to the adjustability of the shoulder 19 and lip 25 toward and from the end of the blade 10, since if said lip and shoulder were permanently rigid or integral with the blade the instrument would operate perfectly for plaits of certain suitable widths.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. An instrument for raising plaits comprising the blade having an end 16 which is beveled upwardly and outwardly at its lower side, combined with the shoulder 19 set inwardly from said end for engaging the edge of the plait, and the lip 25 projecting outwardly beyond and upwardly from said shoulder for moving over the plait while said end 16 is moved below said plait; substantially as set forth.

2. An instrument for raising plaits comprising the blade having an entering end 16 whose edge is beveled, combined with a member 11 upon said blade and having a shoulder 19 to engage the edge of the plait and lip 25 to extend above the plait; substantially as set forth.

3. An instrument for raising plaits comprising the blade having an entering end 16 whose edge is beveled, combined with a member 11 upon said blade and having a shoulder 19 to engage the edge of the plait and lip 25 to extend above the plait, and means for adjusting said member 11 with relation to said end 16 of the blade; substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 7th day of April, A. D. 1904.

WILLIAM A. ZEIDLER.

Witnesses:

ARTHUR MARION,

CHAS. C. GILL.