No. 790,223. PATENTED MAY 16, 1905.

W. NICHOLS.

FASTENER FOR DRESSES, &c.

APPLICATION FILED AUG. 15, 1904.

Fig. 1.

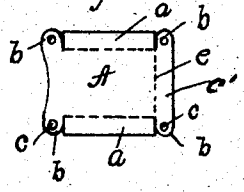


Fig. 2.

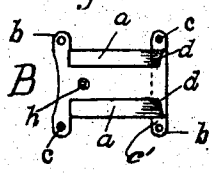


Fig. 3.

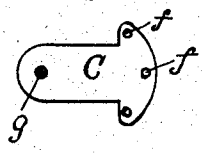


Fig. 4.

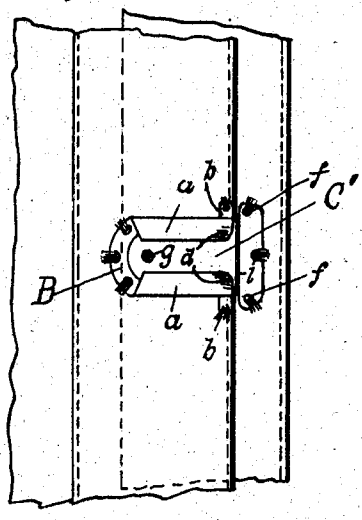
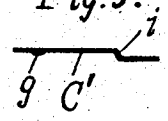


Fig. 5.



WITNESSES:

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No. 790,223. Patented May 16, 1905.

UNITED STATES PATENT OFFICE.

WILLIAM NICHOLS, OF TOLEDO, OHIO, ASSIGNOR OF ONE-HALF TO WILLIAM JAMES SHARP, OF TOLEDO, OHIO.

FASTENER FOR DRESSES, &c.

SPECIFICATION forming part of Letters Patent No. 790,223, dated May 16, 1905.

Application filed August 15, 1904. Serial No. 220,767.

To all whom it may concern:

Be it known that I, WILLIAM NICHOLS, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Fasteners for Dresses, &c.; 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 the letters of reference marked thereon, which form a part of this specification.

My invention relates to sliding or friction fasteners for the closing of gaps, plackets, or other loosely lapping or abutting edges of skirts, waists, and other analogous articles of manufacture.

The object of my invention is to provide an article of this class that is simple and durable in its nature, cheap of manufacture, and of sufficient rigidity when clasped or fastened as to prevent the easy withdrawal or displacement of the coinciding parts, except when desired so to do.

The invention is fully described in the following specification and shown in the accompanying drawings, in which—

Figure 1 is a plan of one form of blank from which the female member of the fastener may be formed. Fig. 2 is a plan of the female member as formed from the blank in Fig. 1. Fig. 3 is a similar view of the male member of my fastener employed when the edges of the connecting clothes are flush. Fig. 4 is a plan of my fastener in locked position and connecting the lapping edges of two pieces of cloth, and Fig. 5 is a central longitudinal section of the male member employed when the edges of the connecting clothes lap, as shown in Fig. 4.

Referring to the drawings, A represents one form of blank from which the female member of my fastener may be formed, B the female member as formed from said blank, and C the male member of the fastener embodying my invention.

The female blank A is transversely cut on either side thereof adjacent to its ends to form the wings *a a*, which when bent over upon the body portion of the blank comprise yielding leaders or guideways, as shown in Fig. 2, for frictionally engaging the sides of the male member C when inserted therein and also form the ears *b* at either corner of the blank, which are provided with thread-perforations *c*, as shown, to enable the female member to be sewed to the cloth. The wings *a a* are bent sufficiently close to the body portion of the blank to cause the sides of the tongue or male member C to be tightly clamped therebetween, the said wings being sprung slightly outwardly as the tongue is forced therein. The forward ends of the wings *a* are flared, as shown at *d*, to enlarge the mouth of the female member and enable a ready finding thereof by the member C as it is inserted therein. The forward transverse portion *c'* of the member B, which contains the thread-perforations *c*, is preferably folded upon the dotted line *e* against the back of the blank, as shown in Fig. 2, thereby reinforcing and strengthening said member at the inlet or mouth thereof.

The tongue or male member C is shown as having one end enlarged and provided with thread-perforations *f*, the enlarged portion limiting its movement within the member B, and as being provided at its forward end with a depression *g*, which is adapted to spring within a similar depression *h*, formed on the body portion of the female member B, and retain the parts in locked position. When the edges of a gap or other opening are fastened together in lapped position, as shown in Fig. 4, the enlarged or perforated portion of the male member C' is suitably offset at *i* to allow for the thickness of a lapping edge of the cloth.

It is apparent from the above description that when the male member is inserted within

the female member the same is insured against an easy withdrawal therefrom both by reason of the tight frictional engagement of the wings *a a* against the contiguous portions of the tongue of the male member and the coinciding of the depressions *g* and *h*, the nature of the metal permitting of a sufficient spring or yielding of the parts to allow for the depth of the depression *g*, which when in proper position is adapted to seat within the depression *h* of the female member.

While I have shown perforated portions on the members B and C for sewing the same to a cloth, it is obvious that any other suitable means may be employed for such purpose and that such changes in the form, proportion, and minor details of construction of the parts as fairly fall within the scope of my invention may be made without departing from the spirit or sacrificing any of the advantages thereof.

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

A fastener, comprising a female member B having the integral wings *a*, *a* bent over upon the body portion thereof to form the receiving-opening of said member and the forward portion *c'* folded against the body portion, whereby the mouth of said receiving member is transversely reinforced, a male member coacting with said female member, coinciding means on each of said members for locking the same against easy separation, and means for securing said members to an object.

In testimony whereof I hereunto sign my name to this specification in the presence of two subscribing witnesses.

WILLIAM NICHOLS.

Witnesses:

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C. W. OWEN.