

No. 622,721.

Patented Apr. 11, 1899.

S. SIMMEL.
LACING DEVICE.

(Application filed Oct. 29, 1898.)

(No Model.)

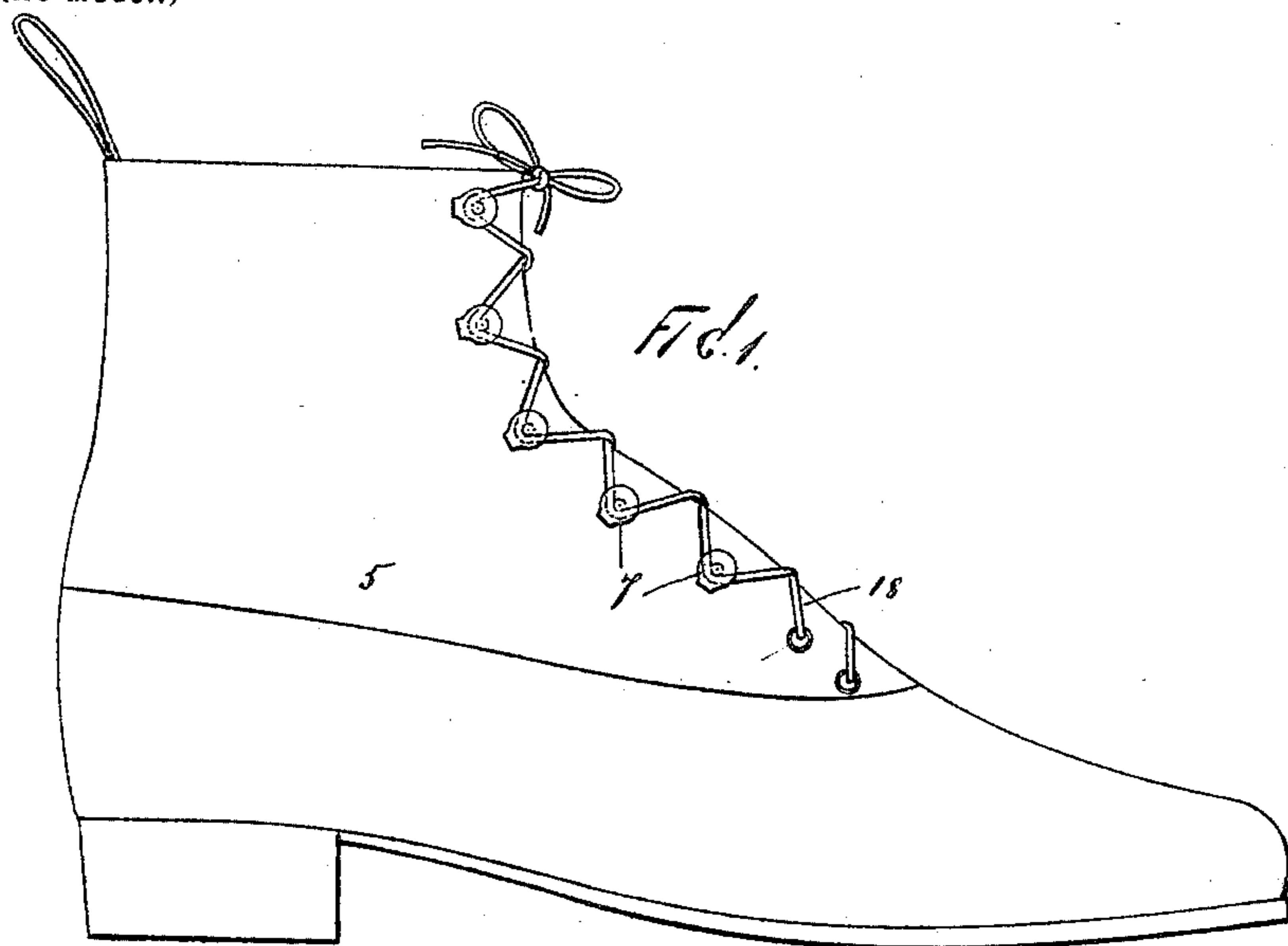


Fig. 2.

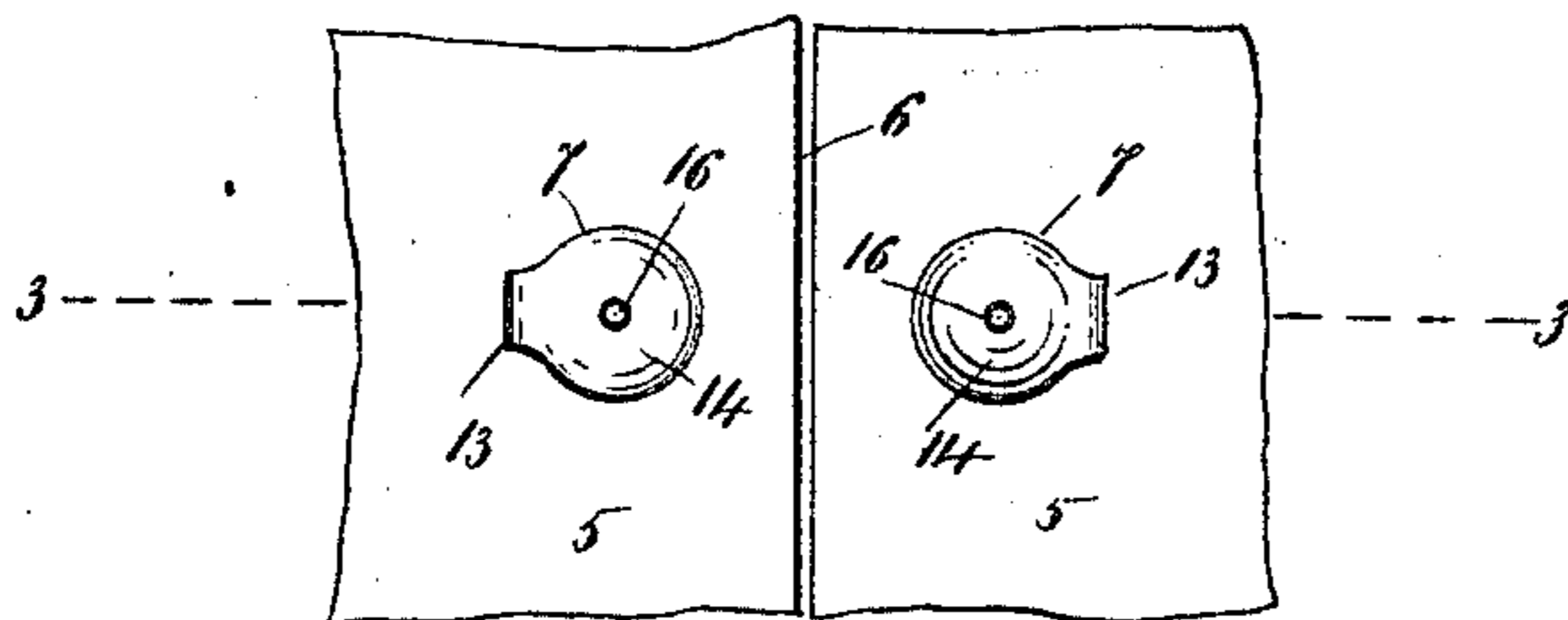
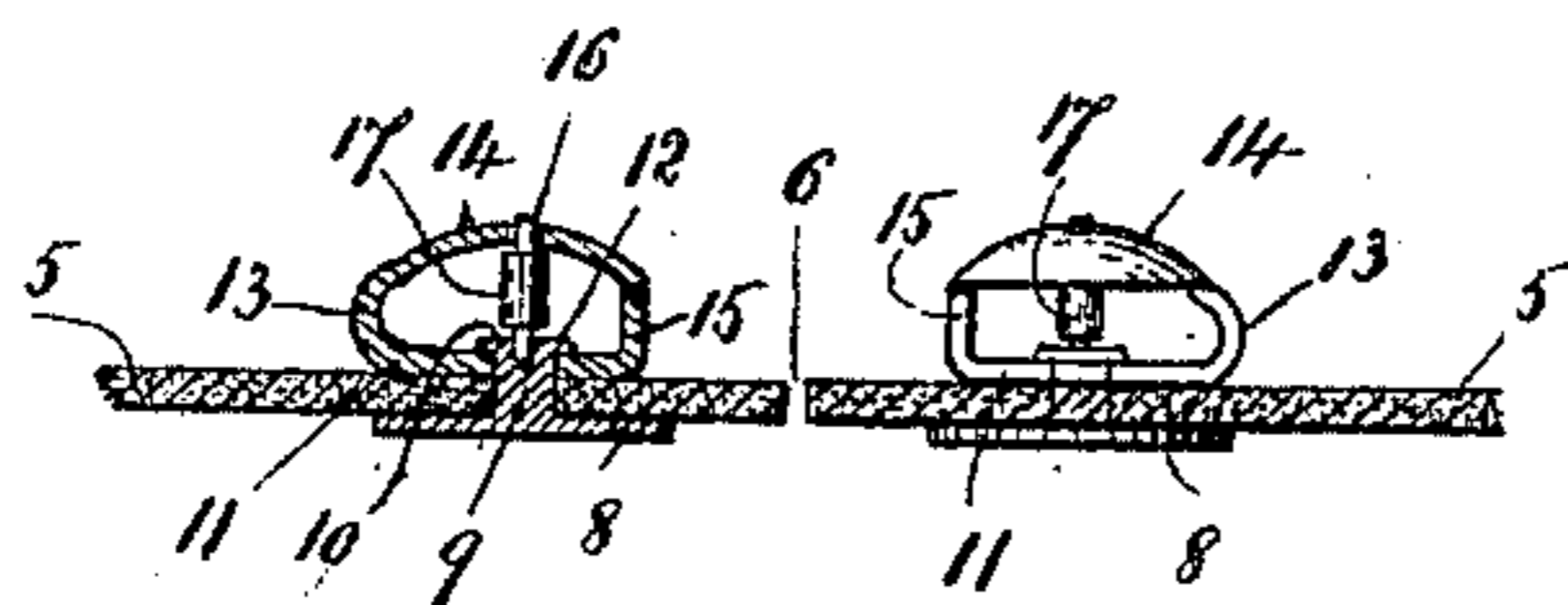


Fig. 3.



WITNESSES

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LACING DEVICE.

SPECIFICATION forming part of Letters Patent No. 622,721, dated April 11, 1899.

Application filed October 29, 1898. Serial No. 694,917. (No model.)

To all whom it may concern:

Be it known that I, SALO SIMMEL, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Lacing Devices, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to lacing devices for shoes and other articles; and the object thereof is to provide improved devices of this class whereby the laces remain at all times in the fastening device with which they are connected and all that is necessary to lace the shoe or other article being to draw the laces tightly and tie them.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a side view of a shoe provided with my improvement; Fig. 2, a front view of a part thereof, and Fig. 3 a partial section on the line 3 3 of Fig. 2.

In the drawings forming part of this specification the separate parts of my improvement are designated by the same numerals of reference in each of the views, and in said drawings I have shown at 5 a shoe of the usual form, the upper front portion of which is open at 6 in the usual manner, and in the practice of my invention I substitute for the usual eyes or hooks fastening devices 7, which are of the following construction:

An inside plate 8 is provided, having a central shank 9, which passes through the material of the shoe or other article, and said shank is provided at its outer end with a pivot-hole 10, and mounted on the outer end of said shank is a disk 11, which is held thereon by a holding flange or rim 12 on the outer end of the shank 9, and said disk 11 is provided at one side with an upwardly-curved integral arm 13, provided with a circular disk or head 14, and opposite the arm 13 the disk or plate 11 is provided with an upwardly-directed extension 15, which meets the corresponding edge of the disk or head 14.

Mounted between the end of the shank 9 and the disk or head 14 is a pivot-pin 16, one end of which passes centrally through the disk or head 14, and the other end of which is mounted in the pivot-hole 10 in the shank 9, and mounted on said pivot-pin is a roller 17, or instead of having a pivot-pin with a roller

mounted thereon the roller 17 may be provided at its opposite end with pivot points or projections.

In practice I employ the usual lace 18, which is passed through the fastening device between the arm 13 and the roller 17, and when the lace is threaded through all the fastening devices in this manner the separate sides of the shoe adjacent to the opening 6 may be drawn tightly together by simply pulling on the ends of the lace which are tied together in the usual manner.

By providing the fastening devices of the class herein described, having central pivoted rollers, and threading laces through the fastening devices, so that they bear on said rollers, the laces may be drawn tight by pulling on the ends thereof, as will be readily understood, and it will be observed that the fastening devices appear in the usual form.

My improvement is simple in construction and operation and well adapted to accomplish the result for which it is intended, and it will be apparent that my improved fastening devices may be applied to corsets, gloves, leggings, and various other articles as well as to shoes.

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

The herein-described fastening device, comprising a plate provided with a central shank having a pivot-hole in the outer end portion and adapted to pass through a shoe-upper or other article, a disk upon said central shank, said shank being provided with a holding-flange exteriorly of said disk, a curved arm and head integral with said disk and projecting on one side from the edge portion thereof, said disk being also provided on the opposite side with an extension upon its edge portion which engages the head of said curved arm at its outer edge portion, and a roller pivoted in said pivot-hole and in the head of said curved arm, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 28th day of October, 1898.

SALO SIMMEL.

Witnesses:

F. A. STEWART,
K. E. LANGTRY.