

No. 667,695.

Patented Feb. 12, 1901.

C. H. GUERIN.
SHOE LACE FASTENER.
(Application filed July 11, 1900.)

(No Model.)

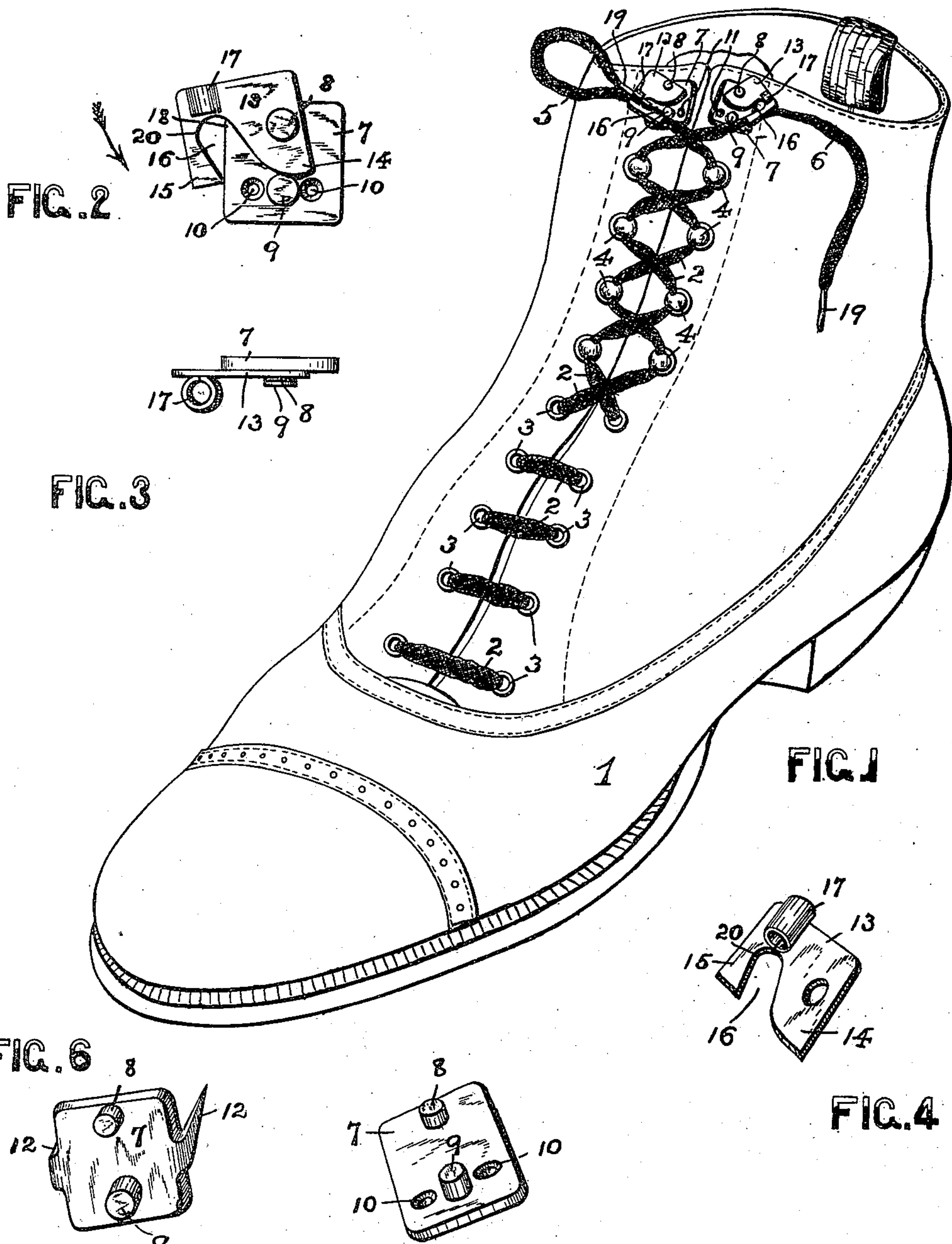
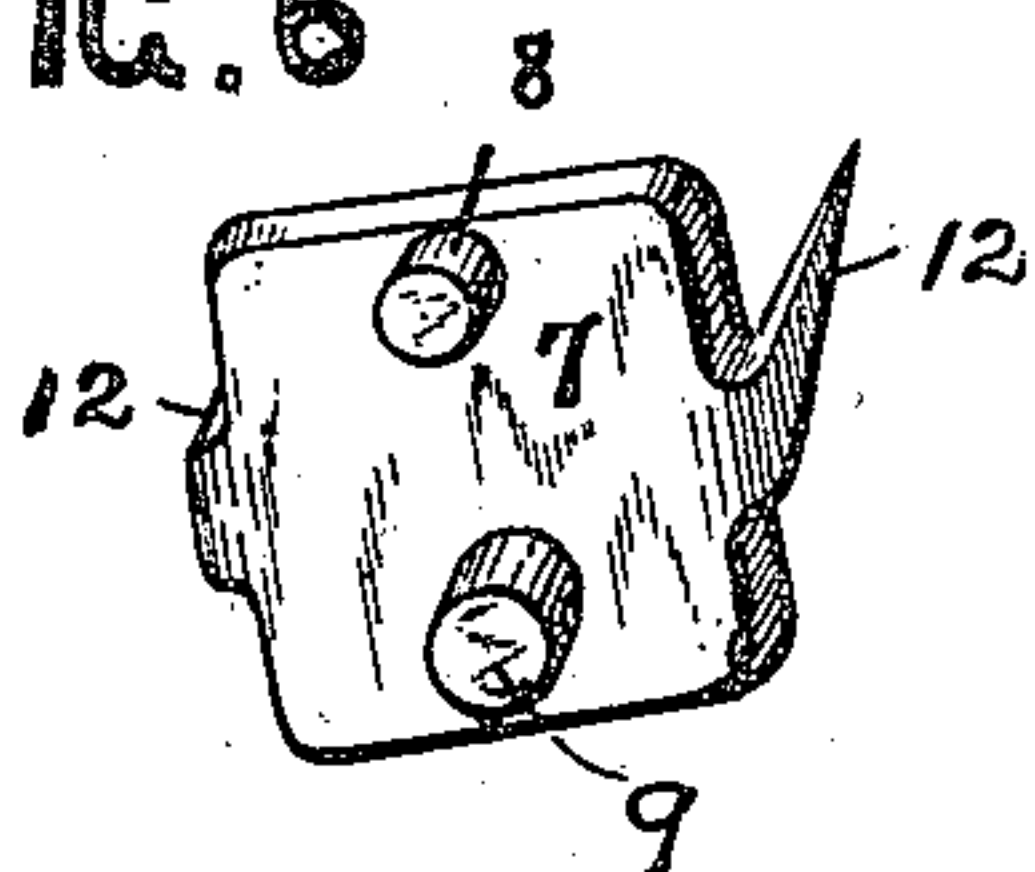


FIG. 6



WITNESSES:

Geo. S. Richards
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FIG. 5

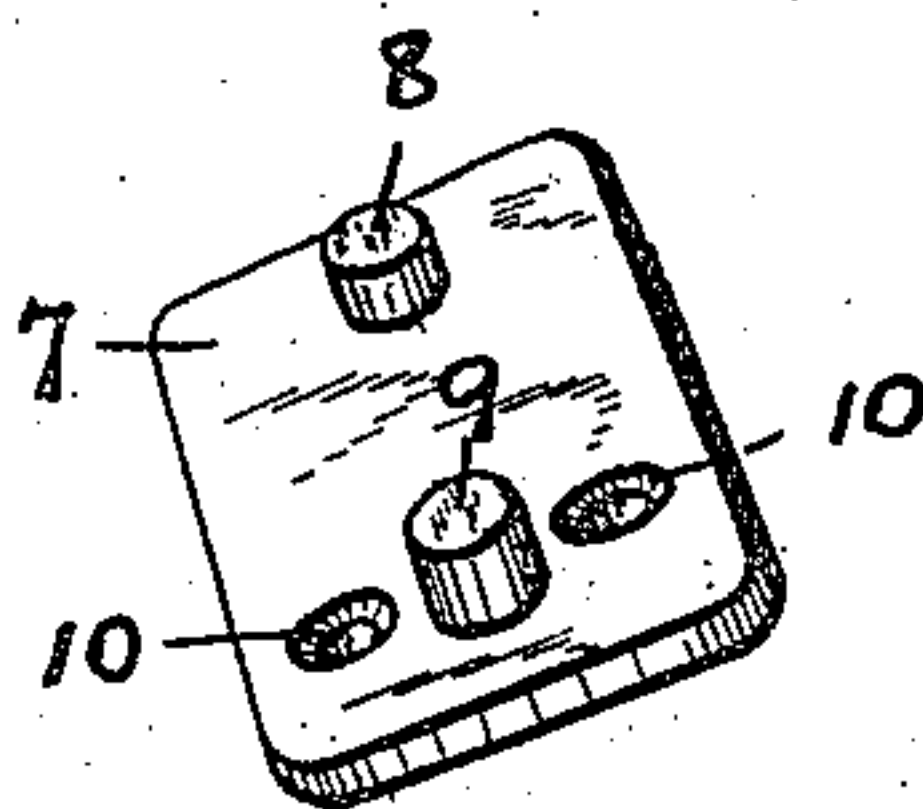
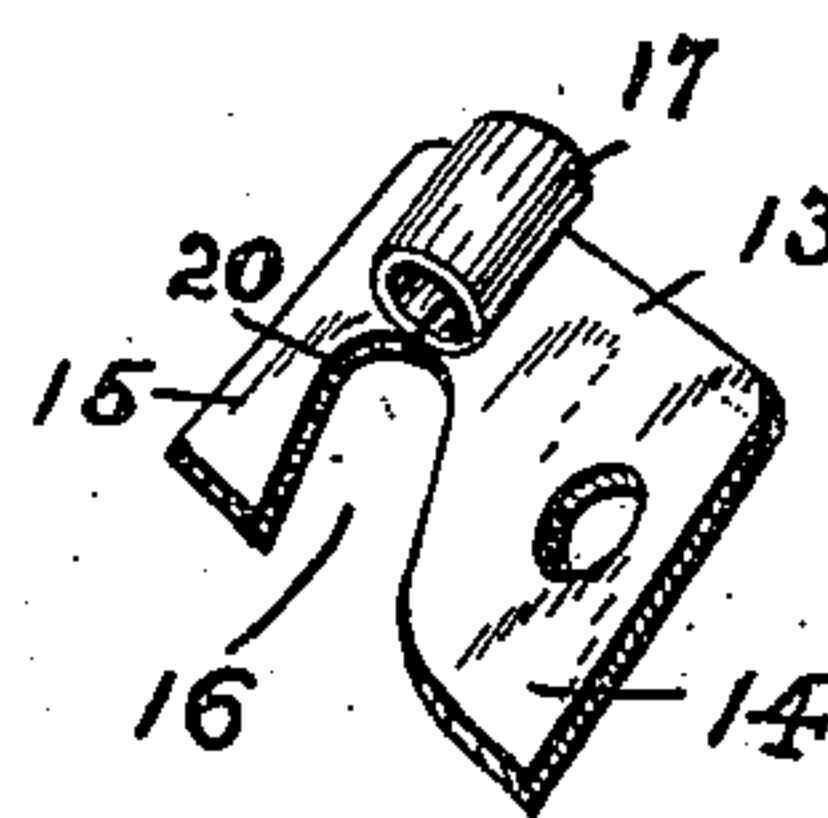


FIG. 1

FIG. 4



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CHARLES H. GUERIN, OF ORANGE, NEW JERSEY, ASSIGNOR OF ONE-HALF
TO LOUIS A. MILLER, OF SAME PLACE.

SHOE-LACE FASTENER.

SPECIFICATION forming part of Letters Patent No. 667,695, dated February 12, 1901.

Application filed July 11, 1900. Serial No. 23,193. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. GUERIN, a citizen of the United States, residing at Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Shoe-Lace Fasteners; 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 numerals of reference marked thereon, which form a part of this specification.

This invention has reference to improvements in shoes; and the invention relates more particularly to a novel construction of shoe-lace fastener, comprising a pair of shoe-lace clamping or holding devices, which are attached directly to the upper portions of the shoe, and a novel means connected with each clamping or holding device for the reception of the metallic tip-piece at the end of the lace, whereby the upper portions of the shoe are readily and easily closed about the foot of the wearer without the necessity of first producing a knot or loop of the two shoe-lace ends.

My present invention has for its primary object to provide a simply-constructed holding or clamping attachment which is secured in its proper position directly to the shoe and has a pivotally-arranged and slotted holding-plate which can be readily manipulated by the wearer of the shoe for clamping or holding the end of the shoe-lace against a post or stop on a base-plate and also against one end of the said base-plate.

A further object of this invention is to provide a double-laced shoe and means with which the ends of the lace can be brought in holding engagement and the metallic tips of the lace retained in place, whereby the parts of the lace are held in position without the necessity of tying a knot or loop, thereby obviating any accidental untying of the knot and, furthermore, enabling the lacing of the shoe upon the foot more easily and in less time and with greater ease and comfort to the person.

My invention therefore consists in a shoe provided with the novel construction of shoe-

lace fastener to be hereinafter fully set forth; and, furthermore, this invention consists in the several novel arrangements and combinations of parts and the various details of the construction of the parts of the lace-fastener, all of which will be fully described in the accompanying specification and finally embodied in the clauses of the claim thereof.

Referring to the said drawings, Figure 1 represents a perspective view of a shoe and my novel construction of shoe-lace fastener secured in position upon the upper portions of the shoe, illustrating in connection therewith the manner of securing the ends of the shoe-lace in position without tying a knot or loop. Fig. 2 is a plan view, and Fig. 3 a top edge view, of one of the lace fastening or holding attachments or devices; and Figs. 4 and 5 are two perspective views of the pivoted holding or clamping plate and the base-plate, respectively, of the said lace fastening or holding attachment illustrated in said Figs. 2 and 3. Fig. 6 is a perspective view of a base-plate of a slightly-modified form of construction, but still embodying the principles of my invention.

Similar numerals of reference are employed in all of the said above-described views to indicate corresponding parts.

In said drawings, 1 indicates any one of the well-known forms of shoes, and 2 is the shoe-lace, which is arranged in the eyelets 3 and around the hooks 4 in the usual manner. When the shoe has been properly laced, the upper and free end portions 5 and 6 of the shoe-laces are connected with the respective fastening devices or attachments in the manner illustrated in said Fig. 1, said attachments or devices being secured in place in the upper corners of the upper portions of the shoe in any well-known manner, and preferably in the manner to be hereinafter more fully set forth. As illustrated in said Fig. 1 of the drawings, the shoe-lace fastener comprises a pair of holding or clamping devices or attachments one for each upper of the shoe, the said fastening or clamping attachments being made right and left, as shown, for the proper arrangement and holding connection therewith of the respective ends of the shoe-lace. Each holding or clamping device con-

sists, essentially, of a main body portion or back-plate 7, which is provided with a pair of upwardly-extending posts or studs 8 and 9, as illustrated in Figs. 1, 2, and 5 of the drawings. The said back-plate or main body portion 7 is also provided with suitably-arranged holes or perforations 10 for suitably securing the said plate by means of thread or rivets 11, as in Fig. 1, in position on the said upper portions of the shoe, or the said back-plate 7 may be provided with any suitable number of prongs 12, which are formed integral with the said back-plate, as indicated in Fig. 6, for the attaching in position of the said back-plate upon the upper portion of the shoe. It will be understood, however, that I may employ any other suitable and well-known fastening means for securing the said back-plates 7 in position against the upper portions of the shoe.

Pivotaly secured in position on the post or stud 8 of the main body portion or back-plate 7 is a holding or clamping plate 13, which, as will be seen more particularly from Figs. 2 and 4, is formed with the part 14 and the part 15, between which there is a suitably-shaped opening or slot 16. The said holding or clamping plate 13 is also preferably provided with a short tubular portion 17, which is suitably secured upon the said pivoted plate 13 in any well-known manner and which is for the reception of the metallic tip-piece 19 of the shoe-lace when the end portion of the lace has been clamped in position, as indicated in Fig. 1, and in the manner and for the purposes to be presently set forth more in detail.

When the shoe has been arranged upon the foot of the wearer and is laced in the usual manner, as indicated in Fig. 1, the lace 2 being arranged in the eyelets 3 and around the lacing studs or hooks 4, then the end portions 5 and 6 are arranged against the studs or posts 9 of the respective clamping or holding attachments on the two upper portions of the shoe, and the end of the lace is passed into the opening or slot 16 of the pivoted plate 13, the said plate being in the position indicated in said Fig. 2. This plate is now turned in the direction of the arrow in said Fig. 2 for the right-hand fastening attachment or in the opposite direction for the left-hand fastening, whereby the end portion of the lace becomes tightly clamped between the edge 20 of the pivoted plate 13 and the edge 18 of the main body or back-plate 7, as will be clearly evident from an inspection of the several figures of the drawings. In this manner the two upper portions of the shoe are tightly and comfortably held in position against the foot of the wearer. This having been accomplished, each metallic tip 19 on the free end of the respective end portions 5 and 6 of the lace is then inserted in the respective tubular portion 17 and held therein in the manner illustrated in Fig. 1 and pro-

ducing the effect or appearance of an ordinary bow or loop of the tied ends of a shoe-lace. When the pivoted plate 13 is turned in its outward position for the disengagement of the end of the shoe-lace and the removal of the foot from within the shoe, the post or stud 9 also acts as a stop against which the end portion 14 of the plate 13 is brought to thereby limit the forward movement of the said plate 13 and preventing said plate 13 from being turned too far and render the device inconvenient for use.

The arrangement of the several parts of the fastening devices or attachments hereinabove set forth is very simple and effective when in use, and the fasteners being secured directly against the shoe-upper cannot become lost, and the ends of the shoe-lace can be adjustably and detachably connected with the fastening or holding attachments, thereby doing away with the tying and untying of knots.

The shoe-lace fastener herein described is applicable to all kinds of shoes and is adapted for use on ladies' low shoes, there being no sharp projecting edges in which the bottom edge of a skirt or dress might catch and tear the same, and, furthermore, there are no sharp edges to cut or tear the fingers.

I am fully aware that changes may be made in the several arrangements and combinations of the various parts, as well as in the details of the construction thereof, without departing from the scope of my present invention. Hence I do not limit my invention to the exact arrangements and combinations of the parts as herein described, and illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction of the several parts thereof.

Having thus described my invention, what I claim is—

1. A shoe having a lace, and a lace-fastener attached to the upper portions of the shoe, said fastener comprising a pair of main body portions or back-plates provided with means for attaching them in position, one upon each upper portion, and a pivoted clamping or holding plate on each main body portion or back-plate, provided with a slotted portion in which the end portion of the lace is arranged and clamped against an edge of the said body portion or back-plate, substantially as and for the purposes set forth.

2. A shoe having a lace, and a lace-fastener attached to the upper portions of the shoe, said fastener comprising a pair of main body portions or back-plates provided with means for attaching them in position, one upon each upper portion, and a pivoted clamping or holding plate on each main body portion or back-plate, provided with a slotted portion in which the end portion of the lace is arranged and clamped against an edge of the said body portion or back-plate, and a receiving portion on each pivoted clamping or holding plate for

the reception of the metallic end tip of the lace, substantially as and for the purposes set forth.

3. A shoe having a lace, and a lace-fastener attached to the upper portions of the shoe, said fastener comprising a pair of main body portions or back-plates provided with means for attaching them in position, one upon each upper portion, a pivotal post and a stop post or stud on said back-plate, and a clamping or holding plate pivotally arranged on said pivotal post, provided with a slotted portion in which the end portion of the lace is arranged and clamped against the edge of the said main body portion or back-plate, and said clamping or holding plate having a portion 14 arranged to be brought in engagement with said stop post or stud on the back-plate, substantially as and for the purposes set forth.

4. A shoe having a lace, and a lace-fastener comprising a pair of main body portions or back-plates provided with means for attaching them in position, one upon each upper portion of the shoe, a pivotal post and a stop post or stud on said back-plate, and a clamping or holding plate pivotally arranged on said pivotal post, provided with a slotted portion in which the end portion of the lace is arranged and clamped against the edge of the said main body portion or back-plate, said clamping or holding plate having a portion 14 arranged to be brought in engagement with said stop post or stud on the back-plate, and a receiving portion on each pivoted clamping or holding plate for the reception of the metallic end tip of the lace, substantially as and for the purposes set forth.

5. A holding or clamping attachment for a shoe-lace fastener, comprising, a main body portion or back-plate provided with means for attaching it in position upon a shoe-upper, and a pivoted clamping-plate on said main body portion or back-plate, provided with a slotted portion in which the end portion of a shoe-lace is arranged and clamped against an edge of the main body portion or back-plate, substantially as and for the purposes set forth.

6. A holding or clamping attachment for a shoe-lace fastener, comprising a main body portion or back-plate provided with means for attaching it in position upon a shoe-upper, and a pivoted clamping or holding plate on said main body portion or back-plate, provided with a slotted portion in which the end portion of a shoe-lace is arranged and clamped against an edge of the main body portion or back-plate, and a receiving portion on said clamping or holding plate for the reception of the metallic end tip of the lace, substantially as and for the purposes set forth.

7. A holding or clamping attachment for a shoe-lace fastener, comprising a main body portion or back-plate provided with means

for attaching it in position upon a shoe-upper, a pivotal post and a stop post or stud on said back-plate, and a clamping or holding plate pivotally arranged on said pivotal post, provided with a slotted portion in which the end portion of the lace is arranged and clamped against the edge of the said main body portion or back-plate, and said clamping or holding plate having a portion 14 arranged to be brought in engagement with said stop post or stud on the back-plate, substantially as and for the purposes set forth.

8. A holding or clamping attachment for a shoe-lace fastener, comprising a main body portion or back-plate provided with means for attaching it in position upon a shoe-upper, a pivotal post and a stop post or stud on said back-plate, and a clamping or holding plate pivotally arranged on said pivotal post, provided with a slotted portion in which the end portion of the lace is arranged and clamped against the edge of the said main body portion or back-plate, said clamping or holding plate having a portion 14 arranged to be brought in engagement with said stop post or stud on the back-plate, and a receiving portion on said pivoted clamping or holding plate for the reception of the metallic end tip of the lace, substantially as and for the purposes set forth.

9. The herein-described attachment for a shoe-lace fastener, consisting, essentially, of a main body portion or back-plate 7, provided with means for attaching it to a shoe-upper, a post 8 and a stop post or stud 9 on said back-plate, a fastening or holding plate 13 pivotally arranged on said post 8, and provided with portions 14 and 15 and a slotted portion 16 in which the end portion of a shoe-lace can be arranged and clamped against an edge of said main body portion or back-plate, substantially as and for the purposes set forth.

10. The herein-described attachment for a shoe-lace fastener, consisting, essentially, of a main body portion or back-plate 7, provided with means for attaching it to a shoe-upper, a post 8 and a stop post or stud 9 on said back-plate, a fastening or holding plate 13 pivotally arranged on said post 8, and provided with portions 14 and 15 and a slotted portion 16 in which the end portion of a shoe-lace can be arranged and clamped against an edge of said main body portion or back-plate, and a tubular receiving portion 17 on said plate 13 for the reception of the metallic end tip of the shoe-lace, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 9th day of July, 1900.

CHARLES H. GUERIN.

Witnesses:

FREDK. C. FRAENTZEL,
LOUIS A. MILLER.