Dec. 14, 1926. 1,610,359

J. H. CAMPBELL

SHOE LACE AND HOLDER THEREFOR

Filed May 9, 1925

FIG. 1

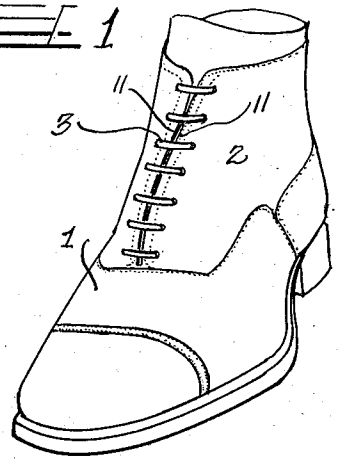


FIG. 3

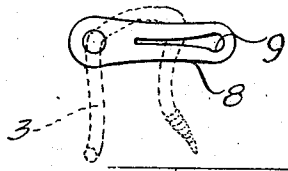


FIG. 2

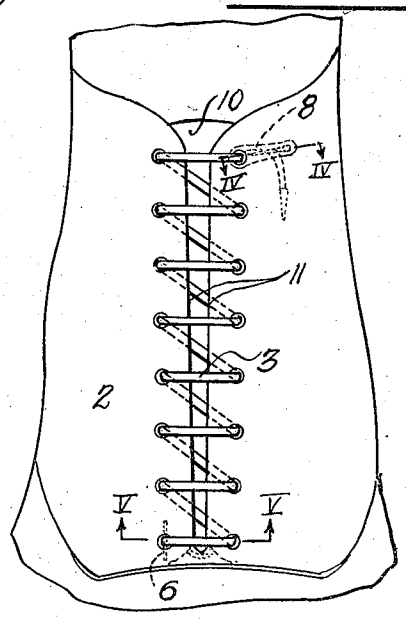


FIG. 4

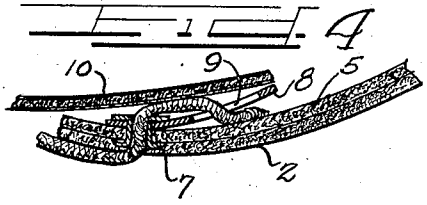


FIG. 5

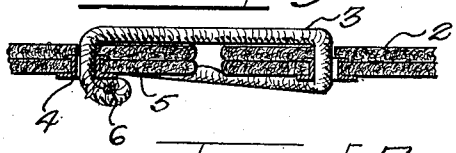


FIG. 6

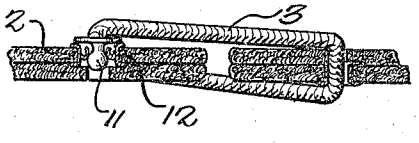
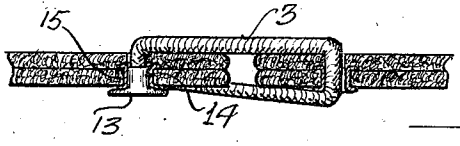


FIG. 7



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by

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UNITED STATES PATENT OFFICE.

JAMES H. CAMPBELL, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE FLORSHEIM SHOE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

SHOE LACE AND HOLDER THEREFOR.

Application filed May 9, 1925. Serial No. 29,031.

This invention relates to laces and holding means therefor in general and more particularly to such laces and holding means therefor as are adapted to be used in lacing shoes, leggings, etc. Heretofore the usual laces provided for shoes have as is well known required the two upper ends to be tied, usually in a bow. Bows have been used since time immemorial because they afford a fairly good means of securing the two ends of the laces and because they may be readily untied. It is a well known fact, however, that in untieing the bows in popular use they frequently become tangled into a knot which is very trying to the patience of the person trying to unlace the shoe. In addition to the above mentioned disadvantages, bows are very often unsightly and are furthermore always subject to be caught by anything which may come into contact with the same and become untied.

It is accordingly an object of this invention to provide an efficient means for lacing a shoe in which the above disadvantages incident to the use of a bow will not be present.

It is further an object of this invention to provide a pivoted clip on the inside of a shoe adapted to receive the upper end of the lacing to hold the shoe laced in a neat fashion and obviating the necessity of the use of a bow.

It is furthermore an object of this invention to provide a shoe with an improved lace, one end of which is provided with means whereby said end may be secured in one of the lowermost eyelets while the upper end of the lace may be engaged in a holder provided on the inside of the shoe and adapted to obviate the use of a bow.

It is an important object of this invention to provide a holding means for a shoe lace which is simple and which may be quickly and conveniently secured in position to hold one end of a lace in a hidden position and obviating the use of a bow.

Other and further important objects of this invention will be apparent from the disclosures in the specification and the accompanying drawings.

This invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

On the drawings:

Figure 1 represents a shoe having a lace and lace holder therein embodying the principles of this invention.

Figure 2 is a detail front fragmentary view of the shoe shown in Figure 1 showing the holder in dotted lines in its locked position.

Figure 3 is an enlarged view of the holding means removed from the shoe and illustrating a portion of a lace in dotted lines.

Figure 4 is an enlarged fragmentary detail section taken on line IV—IV of Figure 2.

Figure 5 is an enlarged fragmentary detail section taken on line V—V of Figure 2.

Figure 6 is a sectional view of a modified form of the device corresponding to the section shown in Figure 5.

Figure 7 is a sectional view of another modified form of the device corresponding to the section shown in Figure 5.

As shown on the drawings:

The reference numeral 1 represents a shoe having an upper portion 2 which is adapted to be laced together by means of an improved shoe lace 3. As shown in Figure 2 and more particularly in Figure 5, the lower end of the lace 3 is suitably secured beneath a lower left hand eyelet 4 and an inner layer 5 by means of a pin 6 around which the end of the lace 3 is looped. The lace 3 is then threaded upwardly through the eyelet 4 and the opening alined therewith in the upper portion 2 and is laced as shown in Figure 2 to secure the adjacent edges 11 of the upper portion 2 together. As shown in Figure 2 and more particularly in Figure 4 the upper end of the lacing 3 extends through one of the upper eyelets 7. The eyelet 7 is secured through the inner layer 5 and rotatably secured in position thereby is a holder or clip member 8. The holder or clip member 8 may be made of stamped metal and is shaped substantially as shown in Figure 3. The clip 8 is provided with a longitudinal slot 9 which is narrowed at one end and enlarged at its other end to permit one end of the lacing 3 to be freely passed therethrough. The lacing 3 is adapted after being passed through the eyelet 7 as shown in Figure 4 and reversed through the aperture 9 to be wedged in the member 8 by merely moving the end thereof in the restricted portion of the slot 9. The pivoted clip 8 with the end of the shoe lace engaged therethrough is

now turned into the dotted line position of Figure 2 between the shoe tongue 10 and the inner side of the shoe top.

As illustrated in Figures 1 and 2, the improved clip and shoe lace afford a ready means for holding a shoe neatly laced, without the use of a bow, with one end of the improved lace secured by suitable means in one of the lowermost eyelets, while the upper end of the lace is conveniently hidden within the shoe and held locked in position by means of the improved pivoted retaining clip 8.

Figure 6 illustrates a modified means for securing the lower end of the lacing 3 in one of the lowermost shoe eyelets. In this modification there is secured to the lower end of the lacing 3 a male member 11 of a snap fastener, the female member 12 of which is secured in place in the position of one of the lowermost shoe eyelets 4, or if preferred the female member 12 of the snap fastener may be omitted and the male member 11 constructed to interfit with one of the lowermost shoe eyelets.

Figure 7 illustrates another modified means of securing the lower end of the lace 3 in one of the lowermost shoe eyelets. In this form there is secured on the lower end of the lacing 3 a flat disk member 13 which has a ferrule 14 integral therewith and secured to the end of the lace 3. The disk 13 is adapted to contact against one of the lowermost eyelets 15 of a shoe to hold the lower end of the shoe lace secured in place.

In unlacing the shoe the member 8 is pivoted about the eyelet 7 so as to project the member 8 out of the top of the shoe, in which position it is a simple matter to dislodge the end of the lacing 3 from the aperture 9 and to remove the same therefrom for permitting the unlacing of the shoe.

It will be obvious that shoes may be laced in the standard ways and both ends of the shoe lace engaged in pivoted clips 8 engaged in position on the uppermost pair of eyelets 7 of the shoe. The two ends of the lace may then be hidden by simply turning the clips 8 down into the shoe thereby obviating the use of an unsightly bow. It will also be seen that this form of lacing and holding means therefor may be used not only on shoes, but also on leggings, corsets, etc. It will be apparent that by the provision of the improved lace and the holding means therefor, a very neat lacing effect is obtained which is simple and which may be conveniently used.

I am aware that many changes may be made, and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted hereon, otherwise than necessitated by the prior art.

I claim as my invention:

1. The combination with a lace shoe, of a shoe lace having one end thereof secured in one of the lowermost eyelets of the shoe, and means pivoted on one of the uppermost eyelets of the shoe adapted to receive the upper end of the lace after a lacing operation of the shoe, said means adapted to be moved into an out of the way position within the shoe to hold the upper end of the lace locked in a hidden position.

2. The combination with a lace shoe, of an apertured clip pivotally mounted within the shoe and adapted to receive and hold an end of a shoe lace in a hidden position within the shoe.

3. The combination with a lace shoe, of a clip having an aperture in one end thereof to permit the clip to be pivotally supported on one of the uppermost eyelets of the shoe, said clip having a tapered slot therein adapted to receive the upper end of a shoe lace engaged therein to hold the end of said shoe lace clamped in position against unlacing when the clip is swung into a hidden position within the shoe.

4. The combination with a lace shoe, of a one-way lace for use therewith, means for holding the lower end of said lace in a locked position with respect to one of the lowermost eyelets of the shoe, and an apertured member pivoted on one of the uppermost eyelets of the shoe to receive and hold the upper end of said shoe lace in a hidden position within the shoe to hold the shoe lace in tensioned laced position.

In testimony whereof I have hereunto subscribed my name.

JAMES H. CAMPBELL.