Sept. 27, 1932. T. K. POON 1,879,475

SHOE FASTENING DEVICE

Filed Aug. 22, 1930

FIG. 1.

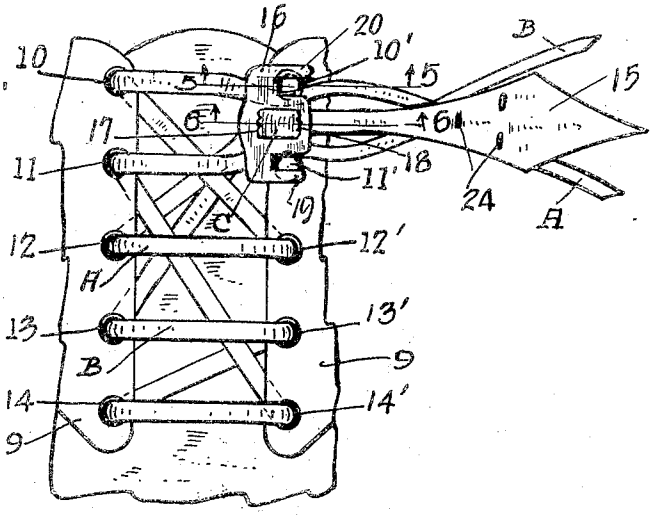


FIG. 2.

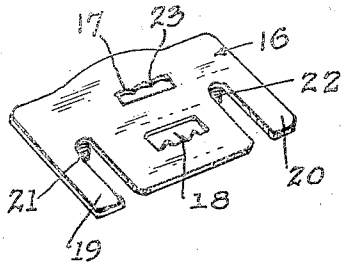


FIG. 3.

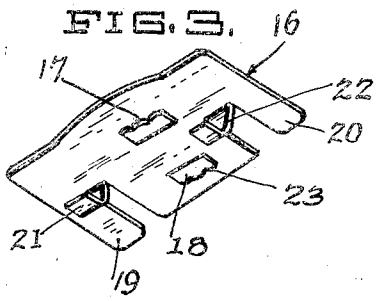


FIG. 4.

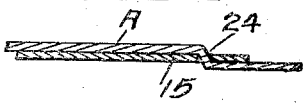


FIG. 5.

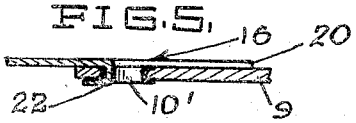


FIG. 6.

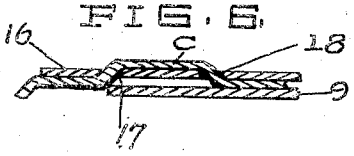
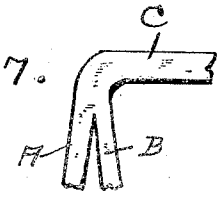


FIG. 7.



INVENTOR.
TOM K. POON

BY

Victor J. Evans

ATTORNEY.

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UNITED STATES PATENT OFFICE

TOM K. POON, OF SAN FRANCISCO, CALIFORNIA

SHOE FASTENING DEVICE

Application filed August 22, 1930. Serial No. 477,130.

This invention relates to improvements in shoe fastening devices and has particular reference to a combined lace and buckle to realize a quick securing of the lace ends in the eyelets of the shoe and to present when the ends are thus secured, an ornamental and attractive lace fastening device.

A further object is to produce a device of the character described which is simple in construction, economical to manufacture, positive in operation and one that will eliminate the necessity of tediously lacing shoes.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a front elevation of the upper portion of the shoe showing my device secured thereto,

Figure 2 is a perspective view of the buckle per se,

Figure 3 is a similar view of the same, disclosing the lower side thereof,

Figure 4 is a modified form of the invention disclosing the manner in which the lace strands may be inserted through the ornamental tab of the device,

Figure 5 is a cross sectional view taken on the line 5—5 of Figure 1,

Figure 6 is a similar view taken on the line 6—6 of Figure 1, and

Figure 7 is a fragmentary detail view of the lace disclosing the split portion thereof.

I am aware of the fact that various lace retaining devices have been previously utilized but none to my knowledge discloses the use of an ornamental buckle in combination with the lace wherein the buckle is adapted to be received in two of the top eyelets of the shoe to effect the retention of the buckle and lace in a secured position, and which allows a ready detaching of the prongs of the buckle when it is desired to unfasten the shoe, and none which further presents an ornamental finished effect when the lacing of the shoe is completed.

In the accompanying drawing wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 9 designates the uppers of the shoe that have provided therein respective pairs of eyelets 10—10′, 11—11′, 12—12′, 13—13′ and 14—14′. The reference character C designates the lace proper which is split or divided to provide a short strand A and a longer strand B. The lace is preferably made of leather so as to render the same durable and give a highly finished effect to the same. It is equipped at its upper end with an ornamental tab 15.

The buckle per se embodies in its construction a metal plate 16 which may be made in ornamental design if desired, but for the purpose of illustration is here shown as a substantially rectangular plate. This plate has spaced openings 17 and 18 provided in the central portion thereof and equipped with two protruding ends 19 and 20 realized by bending back a portion of the frame to obtain underlying hooks 21 and 22.

From a consideration of Figure 1 it will be noted that a portion of the lace is looped through the openings 17 and 18 and that teeth or serrations 23 provided adjacent the openings serve to grip the lace thus preventing the same from slipping through the buckle during the lacing action. When the lacing action has been completed the underlying hooks 21 and 22 are receivable in the eyelets 10′ and 11′ and the buckle together with the lace presents a positive lace securing device that is attractive and pleasing in appearance.

In order that the method of inserting the lace in the buckle and eyelets of the shoe may be clearly understood, the operation is herewith briefly described as follows:—

The lace C is first inserted in the buckle through the openings 17 and 18 and then adjusted therein until the split portion is positioned directly beneath the opening 17. The short lace A is then inserted through the eyelet 12 from the underside thereof, continued to the eyelet 12′ and trained therethrough and thereafter placed through the eyelet 10 from the lower side thereof and finally positioned beneath the buckle and adjacent the hook 22 and finally adapted to

rest beneath the ornamental tab 15. In positioning the strand B in the eyelet it is first trained through the eyelet 13 of the underside thereof continued to eyelet 13′ and then 14 and 14′ respectively and then up to the eyelet 11. After being positioned beneath the buckle and adjacent the hook 19 of the buckle it is adapted to be crossed over the strand A and rest beneath the tab 15. If desired openings may be provided in the tab 15, as indicated at 24 for receiving therein the strands A and B and as shown in the modified form of Fig. 4. By virtue of the construction employed the lace can be readily adjusted so as to tighten or loosen the same in the eyelet of the shoe.

From the foregoing description considered in connection with the accompanying drawing it will be obvious that I have devised a simply constructed and positive lace securing device, and due to the ornamental tab employed, the article is highly attractive and pleasing in appearance.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes relative to the material, size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

The combination with a shoe having eyelets formed therein, of a lace positioned in the eyelets and having a pair of lace ends, a buckle slidably secured to said lace, said buckle comprising a plate having openings therein through which a portion of said lace passes, said buckle serving to confine the lace ends, and hooked elements bent from said plate and detachably secured in certain of the eyelets of the shoe.

In testimony whereof I affix my signature.

TOM K. POON.