United States Patent [19]

Revny

[11] **3,710,486**

[45] **Jan. 16, 1973**

[54] SHOE LACE SECURING APPARATUS

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[21] Appl. No.: **99,601**

[52] **U.S. Cl.** **36/50**

[51] **Int. Cl.** **A43b 11/00**

[58] **Field of Search** .....36/50; 24/117, 143 A, 143 B, 24/129 B, 129 A

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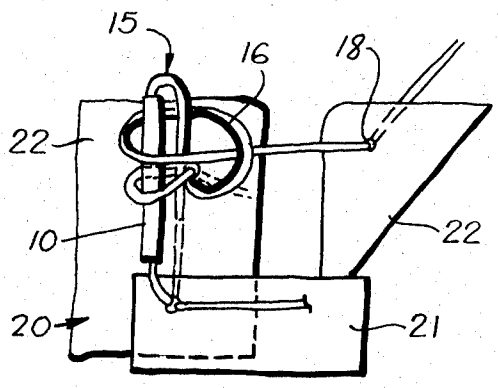
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Attorney—Fetherstonhaugh & Co.

[57] **ABSTRACT**

Apparatus for securing one end of a lace to a shoe so that the shoe can be tied by lacing without the need to knot the lace ends together.

1 Claim, 8 Drawing Figures



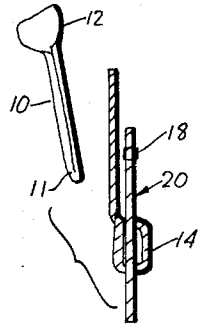


FIG. 1.

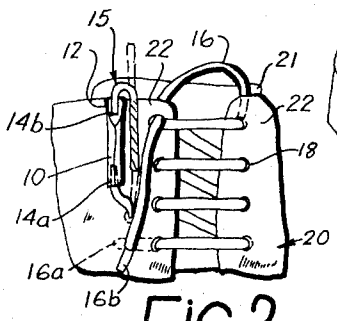


FIG. 2.

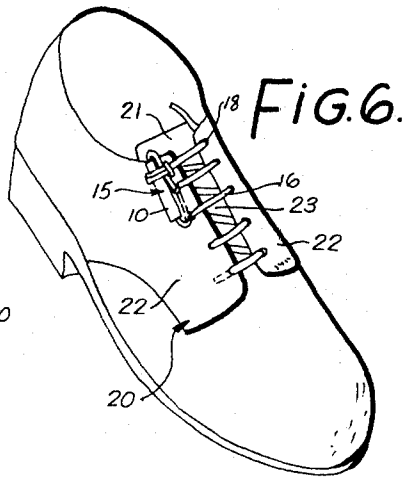


FIG. 6.

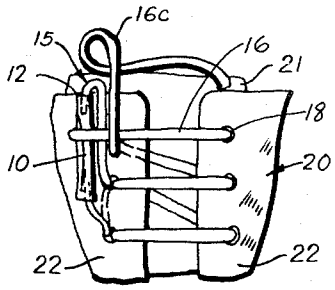


FIG. 3.

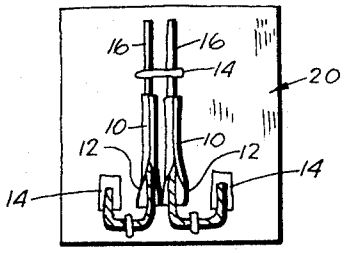


FIG. 7.

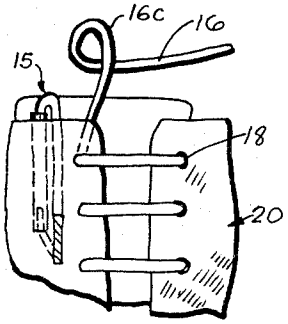


FIG. 5.

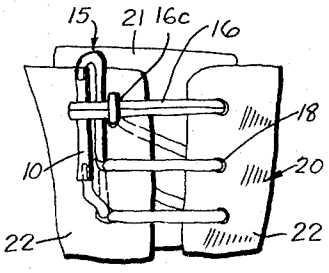


FIG. 4.

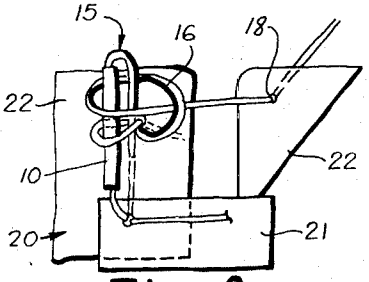


FIG. 8.

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SHOE LACE SECURING APPARATUS

BACKGROUND OF THE INVENTION

A shoe lace tied and knotted in the conventional manner frequency loosens so that the shoe is uncomfortable or the knot becomes undone entirely whereupon the wearer must stop and retie his shoe and this is objected to by almost everyone.

SUMMARY OF THE INVENTION

I have overcome this problem by providing apparatus which will enable the shoe to be tied without the opposite ends of the lace being secured together or formed into a bow knot. The apparatus allows one end of the lace to be secured by means of a simply applied half-hitch while the other end of the lace is either clamped or secured to the shoe at the opposite end of the tongue opening.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings:

FIG. 1 is a detail view showing certain parts of my invention;

FIGS. 2, 3 and 4 are detailed views of a portion of the shoe showing a preferred tying sequence,

FIG. 5 is a detailed view of a portion of a shoe with the present invention mounted in an alternative position,

FIG. 6 is a perspective view of a shoe incorporating my invention as illustrated in FIGS. 1 to 4;

FIG. 7 is a detail view of a modification of my invention; and

FIG. 8 is a view of the FIG. 5 version of my invention as it appears from inside the other shoe.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Referring to the drawings, the numeral **20** indicates a shoe having a tongue **21** which is overlapped by side portions **22**, these portions defining an opening **23**. The portions **22** are fitted with the usual eyelets **18** to receive a lace **16**.

An elongated tubular member is indicated by the numeral **10** and this member has an open end **11** and an opposite end **12** which originally is opened and flattened as shown in FIG. **1**. A wire staple **14** is used to secure the member **10** to the shoe, this staple having spaced apart ends **14***a* and **14***b* as shown in FIG. **2** for example. The member **10** is attached to the staple **14** by entering the end **14a** in the end **11** and placing the end **14***b* within the end **12**. End **12** is then folded over the end **14***b* and is crimped to lock the two parts together. This forms a peg which is generally indicated at **15**, the peg extending upwardly parallel to the shoe portion **22** to which it is attached, near the upper end thereof, and preferably on the outside of said portion. It will be noticed that the peg **15** is mounted so that only the lower end thereof is attached to the shoe by the staple **14** while the upper end is free to allow the lace **16** to pass between the peg and the outer face of the portion **22**.

The lace **16** preferably is the type having opposite ends **16***a* and **16***b* which are fitted with the usual ferrules. In order to tie the shoe **20**, end **16a** of the lace is slipped through the lowermost eyelet **18** on the portion **22** which supports the peg **15**. The ferruled end **16a** may then be secured to the portion **22** by suitable means, not shown, but preferably it is merely inserted between the portion and the tongue **21** so as to be clamped therebetween when the shoe is tied. The lace **16** is then threaded through the eyelets **18** as shown in the drawings and so as to leave the upper part of the lace projecting above the shoe after tightening. This upper part of the lace **16** is secured to the peg **15** by means of one but preferably two half-hitches **16***c* which are formed in the lace so that they can be passed over the top of the peg and be tightened thereon. The ferruled end **16***b* is then extended across the opening **23** and is threaded through the uppermost eyelet **18** in the other portion **22**. When the end **16***b* is tucked in between the portion **22** and the tongue **21** the shoe **20** is tied so that it is not likely to come undone while being worn.

FIGS. **5** and **8** show the peg **15** mounted in an alternative position on the inside of the portion **22** with a stable **14** being used as before. The lace **16** has its upper end part secured to the inside peg **15** by half-hitches as previously described. A peg **15** secured in this position is hidden from view which some wearers might find desirable and it has been found that it causes no great discomfort to the wearer since the peg **15** is between the shoe portion **22** and the tongue **21**.

In FIG. **7**, both ends of the lace **16** are shown secured to a portion **22** of the shoe by means of staples **14**. Two of the members **10** may be secured to the lace ends at this location if desired so as to keep the lace from fraying. The shoe is laced from the top to place the ends **16***a* and **16***b* in a position where they can be secured to a portion **22** as shown in FIG. **7** and this leaves the upper part of the lace doubled over to form a bight, the two parts of which are adapted to be pressed together and secured to the peg **15** by means of half-hitches.

Having thus described this invention, what is asserted as new is:

1. Apparatus for securing a lace to a shoe having side portions fitted with lace-receiving eyelets and defining a tongue opening, comprising a peg secured to one of the side portions near the upper edge thereof, said peg having one end detached from one side portion to permit entry of the lace therebetween, said lace lacing the shoe whereby an upper part of the lace is securable to the peg by at least one half-hitch.

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