A. EKLUND.

SHOE LACE.

APPLICATION FILED DEC. 21, 1918.

1,303,868. Patented May 20, 1919.

Fig. 1.

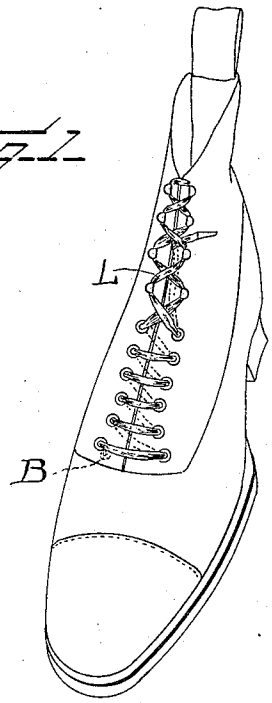


Fig. 3.

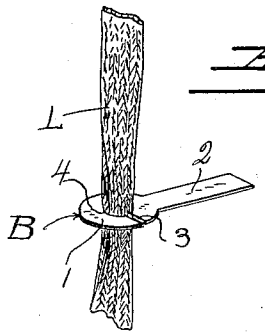


Fig. 4.

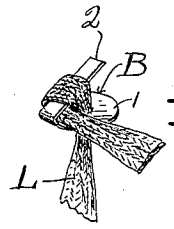


Fig. 5.

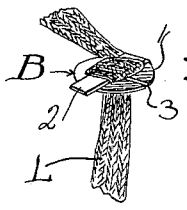


Fig. 2.

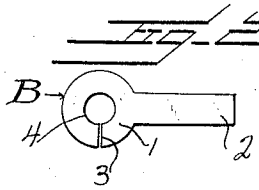
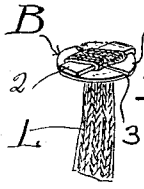


Fig. 6.



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SHOE-LACE.

1,303,868. Specification of Letters Patent. Patented May 20, 1919.

Application filed December 21, 1918. Serial No. 267,826.

To all whom it may concern:

Be it known that I, ALBERT EKLUND, a citizen of the United States, residing at Pendleton, in the county of Umatilla and State of Oregon, have invented certain new and useful Improvements in Shoe-Laces, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in shoe laces, and it is an object of the invention to provide a novel and improved lace of this general character wherein an end portion thereof has engaged therewith a button to retain such end portion of the lace in applied position.

Furthermore, it is an object of the invention to provide a shoe lace having a button coacting with an end portion thereof and wherein said button is provided with a novel and improved means whereby the same may be secured to the lace.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved shoe lace whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a view in perspective of a shoe having applied thereto a lace constructed in accordance with an embodiment of my invention;

Fig. 2 is a view in plan of the blank from which the button is produced;

Fig. 3 is a view in perspective illustrating the initial step in applying the button to the lace;

Fig. 4 is a view in perspective illustrating a second step in securing the button to the lace;

Fig. 5 is a view in perspective of a further step in securing the button to the lace; and

Fig. 6 is a view in perspective of the button in applied position.

As disclosed in the accompanying drawings, L denotes a lace of desired length, and which has secured to an end thereof a button B.

As illustrated in the accompanying drawings, the button B comprises a metallic disk 1 having extending radially therefrom an elongated narrow tongue 2. The disk 1 is also provided with a radially disposed slit 3 in communication with a central opening 4 produced in the disk 1, and which slit 3 serves as an entrance to the opening 4.

As is particularly illustrated in Fig. 2, it is preferred that the slit 3 be substantially at right angles to the tongue 2.

In applying the button B to the lace, an end portion of the lace is first extended through the opening 4 and which operation is facilitated by the entrance slit 3. The tongue 2 is then bent at its junction with the disk 1 to overlie the face of said disk but in angular relation thereto as illustrated in Fig. 4. The end portion of the lace is then wrapped around the tongue 2 and the tongue forced toward the disk 1 in order to tightly clamp the wrapped portion of the lace L to the disk. The extended end portion of the lace L is then cut off at a point in close proximity to the disk 1.

As is clearly illustrated in Figs. 2, 3, and 5, it is to be noted that the tongue 2 is initially of a length in excess of the diameter of the disk 1, so that the desired wrapping of the lace L therearound may be facilitated. After the wrapped portion of the lace has been tightly clamped by the tongue 2, the free end portion of the tongue 2 is cut away so that said tongue 2, in the completed device, will be of a length less than the diameter of the disk 1.

From the foregoing description, it is thought to be obvious that a shoe lace constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof, and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

1. As a new article of manufacture, a button for a shoe lace comprising a substantially flat disk having a central opening through which an end portion of a shoe lace is adapt-

ed to be directed, said disk being also provided at its marginal portion with a tongue disposed inwardly across the disk and about which an end portion of the lace is adapted to be wrapped, said disk being also provided with an entrance slit in communication with the opening, said slit being open at both ends.

2. As a new article of manufacture, a button for a shoe lace comprising a substantially flat disk having a central opening through which an end portion of a shoe lace is adapted to be directed, said disk being also provided at its marginal portion with a tongue disposed inwardly across the disk and about which an end portion of the lace is adapted to be wrapped, said disk being also provided with an entrance slit in communication with the opening, said slit being open at both ends, said slit being radially disposed relative to the opening and substantially at right angles to the tongue.

3. As a new article of manufacture, a button for a shoe lace comprising a substantially flat disk having a central opening through which an end portion of a shoe lace is adapted to be directed, said disk being also provided at its marginal portion with a tongue disposed inwardly across the disk and about which an end portion of the lace is adapted to be wrapped, said disk being also provided with an entrance slit in communication with the opening, said slit being open at both ends, said tongue throughout its length being of a width materially less than the diameter of the disk.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

ALBERT EKLUND.

Witnesses:
LOT LIVERMORE,
H. E. BICKERS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."