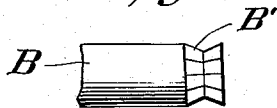
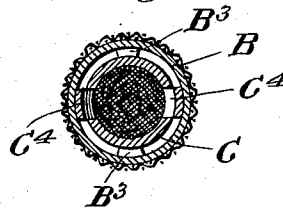
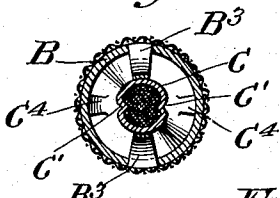
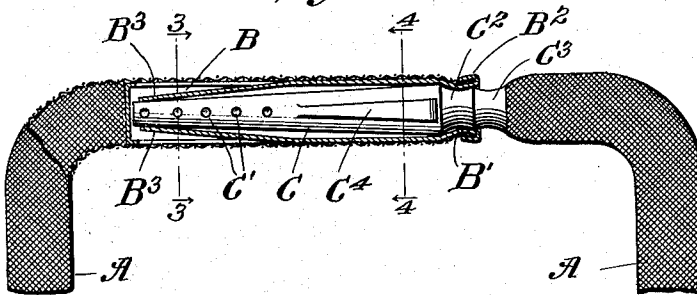
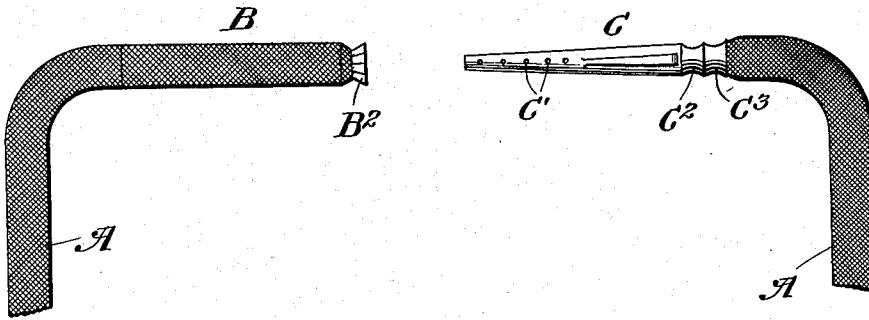


911,573.

Patented Feb. 9, 1909.



Inventor

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Witnesses

Witnesses
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J. D. L. Mulhall.

By

UNITED STATES PATENT OFFICE

JOHN CROOKS, OF PHILADELPHIA, PENNSYLVANIA.

SHOE-LACE TIP.

No. 911,573.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed February 25, 1908. Serial No. 417,762.

To all whom it may concern:

Be it known that I, JOHN CROOKS, a subject of the King of Great Britain, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Shoe-Lace Tips, of which the following is a specification.

This invention relates to shoe lace tips, the object being to so construct the tips that they can be readily connected together after the laces have been tied, so as to prevent the ends from dangling down around the foot.

Another object of my invention is to provide a pair of tips which are so constructed that they can be readily passed through the eyes of a shoe, and which are very neat in appearance, and can be manufactured very cheaply.

Another object of my invention is to provide very novel means of fastening the lace to the socket tip.

Another object of my invention is to provide the socket and head tip with spring tongues, so that they will be held in their proper position when forced together.

These objects are obtained by the novel arrangement and construction of parts hereinafter fully described and shown in the accompanying drawings, in which:—

Figure 1, is a side view of my improved tips showing them arranged on the end of a shoe lace in position to be secured together. Fig. 2, is a longitudinal section view through the tips in a fastened position. Fig. 3, is a section taken on line 3—3 of Fig. 2. Fig. 4, is a section taken on line 4—4 of Fig. 2, and, Fig. 5, is a detail side elevational view of the socket member.

In carrying out my improved invention I secure to one end of the lace A, a resilient socket member B, and to the other end, a head member C, whereby when the head member is forced into the socket member, the tips will be securely locked together.

The socket member B, is tubular having its open end split and contracted as shown at B', to form a resilient portion, the ends of the tongues formed by the splits being bent back upon the lace which is placed over the member and secured as clearly shown at B². Spring tongues B³, are punched out of the opposite sides of the tip, for the purpose hereinafter fully described.

The head member C, comprises a tapering tube, in which the end of the shoe lace is secured by indenting the sides of the same as clearly shown at C'. The open end of the tube being contracted as shown to form annular depressions C², C³. The depression C³, holds the lace in its proper position, and the depression C², is adapted to receive the resilient contracted portion B', of the socket member B, when the head C, is forced into the same. It will be seen that by this construction the two members are securely locked together when one is inserted within the other. The spring tongues B³, engage the sides of the head and hold it in its proper position.

Spring tongues C⁴, are formed upon opposite sides of the head C, adapted to engage the inner walls of the tube B, so that a tight joint will be formed, and it will be seen that the tips can be readily secured together or drawn apart by simply exerting a slight force or pull on the same.

From the foregoing description it will be seen that I have provided a shoe lace with a pair of tips which are so constructed that they can be easily and quickly connected or disconnected, and be used with great advantage for securing the ends of the lace around the top of the shoe when the laces are too long.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A shoe lace having a tubular tip secured on one end provided with an annular contracted portion at its base and spring tongues extending toward said contracted portion, the other end of said lace provided with a tapering tubular socket having an annular contracted portion at its forward end adapted to engage with said annular contracted portion of the other tip when one tip is forced into the other tip.

2. A shoe lace having a tubular tip secured on one end provided with spring tongues, and a resilient contracted portion, and a tapering tube secured on the other end of said lace having spring tongues, and an annular depression adapted to receive said resilient contracted portion when said tapering tube is forced within the tubular tip.

3. A shoe lace having on one end a tubular member, said member being split to form

tongues and said tongues being bent back upon the lace; in combination with a tapering tubular member secured over the other end of said lace and adapted to be received
5 and held within the first mentioned tubular member.

In testimony whereof I have signed my

name to this specification in the presence of two subscribing witnesses.

JOHN CROOKS.

Witnesses:

R. H. KRENKEL,
CHAS. E. POTTS.