

C. L. PASSMORE.
SHOE STRETCHING DEVICE.
APPLICATION FILED JAN. 20, 1917.

1,244,638.

Patented Oct. 30, 1917.

Fig. 1.

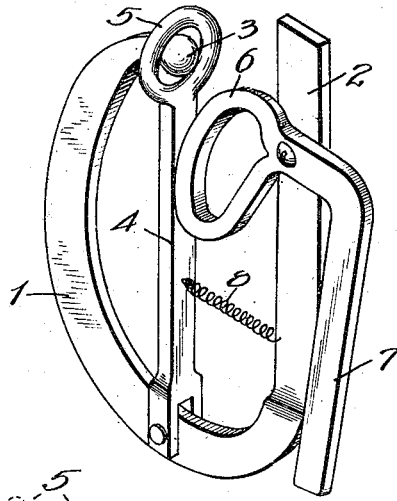
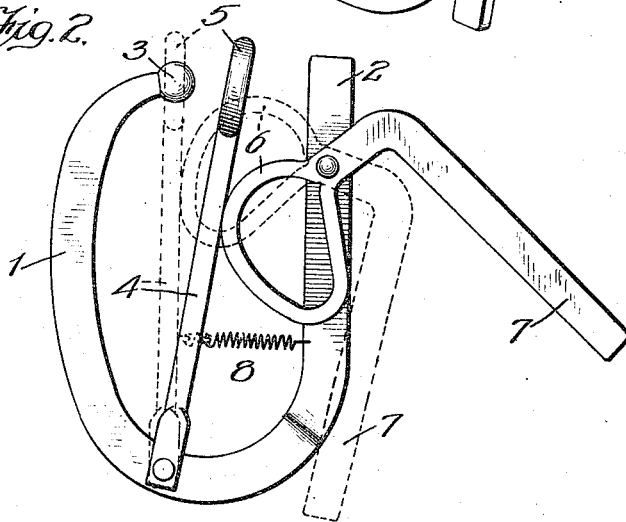


Fig. 2.



Witnesses:
W. Hilroy
Sebastian Hinton

Inventor:
Charles L. Passmore
By Wallace R. Loring
ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES LEWIS PASSMORE, OF PROPHETSTOWN, ILLINOIS.

SHOE-STRETCHING DEVICE.

1,244,638.

Specification of Letters Patent.

Patented Oct. 30, 1917.

Application filed January 20, 1917. Serial No. 143,478.

To all whom it may concern:

Be it known that I, CHARLES L. PASSMORE, a citizen of the United States, residing at Prophetstown, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Shoe-Stretching Devices, of which the following is a specification.

This invention relates to shoe stretchers and particularly to devices of sensitive and accurately adjustable character which may be employed to stretch particular portions of shoes to relieve pressure upon certain portions of the foot.

It is an object of the invention to make a shoe stretcher of the character described which is adapted to remain when set in position to produce a particular stretching effect upon the shoe, so that the stretcher can be adjusted to stretch the shoe to just the amount desired, and left in the shoe until the leather has had time to respond adequately to the stretching effect. It is a further object of the invention to make a device of the character described, in which the amount of pressure communicated to the shoe can be felt by the operator of the stretching device, who in operating the device soon learns just how much pressure to bring to bear to get the desired results without straining the leather unduly. Further objects and advantages of the invention will appear as the description proceeds.

In the drawings:—

Figure 1 is a perspective view of the invention in its preferred form.

Fig. 2 is an elevation of the invention showing the method of operation thereof.

The device comprises a substantial U-shaped member having a curved arm 1, adapted to go inside the shoe, a preferably straight arm 2 overlying the curved arm 1, and adapted to carry the device for operating outside the shoe. Arm 1 is provided with an enlarged head 3 and pivotally mounted at the bottom of the U-shaped frame is an arm 4, terminating in a ring 5, the ring 5 and enlargement 3 cooperating on opposite sides of the leather to stretch a particular part of the shoe. Pivotaly mounted upon the arm 2 is a cam element 6, provided with an operating handle 7, the cam element 6 bearing directly upon the pivotally mounted arm 4. A spring 8 tends to draw up the arm 4 and cause the same to follow the cam 6

at all times. In operation the device is grasped by the arm 2, the hand including in its grip the lever arm 7. The arm 1 is then placed inside the shoe, and the operator feels for the particular spot he wishes to stretch with the enlarged head 5, which can be either seen or felt in passing over the inside of the shoe. When the enlargement 3 is located in the desired spot pressure is applied to the lever arm 7, which causes the ring 5 to forcibly descend, pressing the lever downward and over the enlargement 3, stretching it to the desired extent.

It is to be particularly noted from the figuration of the cam 6 that the device will remain in any position in which it is set, thus the leather can be stretched as much as desired, and the operating handle released, after which the device will remain set in the position into which it was forced, allowing the leather to permanently set without undue strain. The hand manipulation of the device is important also, for the reason that it makes it possible for an experienced operator to feel the pressure being communicated to the leather, so that danger of straining or tearing the leather can be prevented.

Having now described my invention, I claim:—

1. An apparatus of the class described, an arm adapted to be placed within the shoe, a cooperating member adapted to cooperate with said arm from outside said shoe to stretch a portion of the same, a pivoted arm having means operatively associated therewith to operate upon said member to press it against the shoe upon the operation of said pivoted arm, said means being provided with an irregularly curved surface whereby it will positively lock said cooperating member in any one of a plurality of positions against the shoe to adjust and maintain the stretching pressure as desired.

2. An apparatus of the class described, a U-shaped frame, one branch of which is adapted to be placed within the shoe, a member pivoted on said frame and having a portion adapted to cooperate in stretching a portion of the shoe, a pivoted arm mounted on the second branch of said U-shaped frame, and a cam between said pivoted arm and said pivoted member, said cam being operatively associated with said arm and adapted to be operated by the same whereby to press the pivoted member against the shoe.

3. An apparatus of the class described, a U-shaped frame, one branch of which is adapted to be placed within the shoe, a member pivoted on said frame and having a portion adapted to cooperate in stretching a portion of the shoe, an arm mounted on the second branch of said U-shaped frame, a cam between said arm and said pivoted member, said cam being operatively associated with said arm and adapted to be operated thereby to press upon the pivoted member, and means to cause said pivoted member to remain in contact with said cam, said cam being so designed as to automatically maintain the cooperating shoe stretching parts of the device in any one of a plurality of shoe stretching positions.

4. An apparatus of the class described, a frame comprising two arms one of which

is adapted to be placed within a shoe, a cooperating member adapted to cooperate from outside with the arm inside the shoe to stretch a portion of same, a pivoted arm on the other of said two arms, and means operatively associated with the inner end of said pivoted arm for positively locking said cooperating member in any one of a plurality of positions against the shoe to adjust and maintain the stretching pressure as desired.

In witness whereof, I hereunto subscribe my name to this specification in the presence of two witnesses.

CHARLES LEWIS PASSMORE.

Witnesses:

RICHARD G. ROTH,
G. S. AYLSWORTH.

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