

(No Model.)

N. P. SJÖBERG.
SHOE FASTENING.

No. 471,304.

Patented Mar. 22, 1892.

Fig. 1.

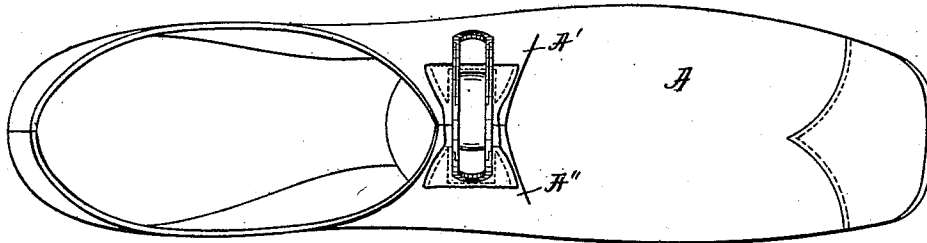


Fig. 2.

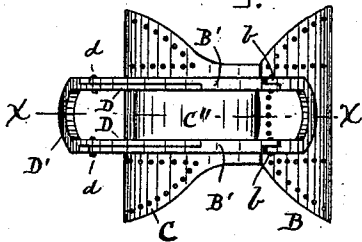


Fig. 3.

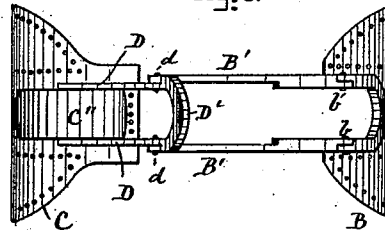


Fig. 4.

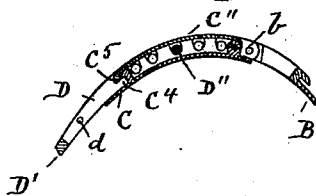


Fig. 5.

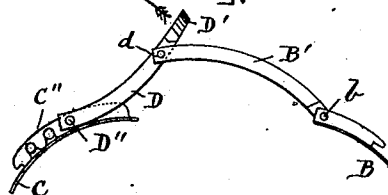
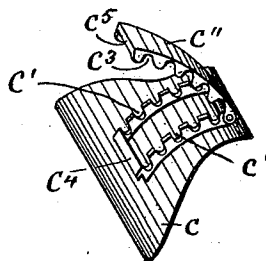


Fig. 6.



Witnesses.

Lauritz N. Möller.
Alice A. Perkins.

Inventor

Nils P. Sjöberg.
by *Alban Andren*
his atty.

UNITED STATES PATENT OFFICE.

NILS P. SJÖBERG, OF BOSTON, MASSACHUSETTS.

SHOE-FASTENING.

SPECIFICATION forming part of Letters Patent No. 471,304, dated March 22, 1892.

Application filed January 8, 1892. Serial No. 417,401. (No model.)

To all whom it may concern:

Be it known that I, NILS P. SJÖBERG, a citizen of Sweden, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Shoe-Fastening Devices, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to improvements in shoe-fastening devices for the purpose of readily buckling shoes or overshoes, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 represents a plan view of a shoe provided with my improved fastening device. Fig. 2 represents a front view of the fastening device in a closed position. Fig. 3 represents a similar view showing the device expanded. Fig. 4 represents a section on the line X X, shown in Fig. 2. Fig. 5 represents a side view of the fastening device shown as expanded; and Fig. 6 represents a perspective view of the notched clamp-plate, showing its hinged cover as swung open.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

In Fig. 1, A represents a shoe of any desired construction, having flaps A' and A'', as usual. To the flap A'' is secured in a suitable manner the metal plate B, to which is hinged at *b* the links B' B'. To the flap A' is likewise secured in a suitable manner the metal plate C, provided on its outside with notches C' C', as shown in Fig. 6. To said plate C is hinged the cover C'', having on its under side notches C³, coinciding with the notches C' on the plate C.

C⁴ is a locking-lip on the plate C, adapted to be locked to a lip C⁵ on the hinged cover C'' when the device is in use, as shown in Fig. 4.

To the free ends of the links B' B' is hinged at *d* a U-shaped lever D, having its outer end D' projecting beyond the fulcrum *d*, as shown in Fig. 5.

D'' is a fulcrum-pin at the inner end of the lever D, which is adapted to be inserted and held in any of the notches C' C³ when the device is in use. By adjusting the position of the pin D'' in the notches on the plate C and its cover C'' the shoe may be closed with

any desired tension or tightness, as may be desired, and the fastening device is thus made capable of a proper adjustment to suit the requirements of the wearer.

In putting on the shoe or while removing it from the foot the device is expanded, as shown in Fig. 5. After the shoe is put on the foot the device is closed, as shown in Figs. 1, 2, and 4, simply by taking hold of the lever end D' and swinging it in the direction shown by arrow in Fig. 5, causing the lever D to be swung to a position on top of the plate C, as shown in Figs. 2 and 4, where it will be automatically held in position on account of the fulcrum *d* being swung below the line of the fulcrum *b* and D'', as fully shown in Fig. 4. To unfasten the device, it is only necessary to raise the lever D and to swing it to the position shown in Figs. 3 and 5, when the flaps of the shoe are automatically expanded sufficiently to allow the removal of the shoe from the foot of the wearer.

The device is very simple in construction, dispenses entirely with the usual straps and buckles, and by its use a shoe can be instantly opened or closed by the use of one hand only, and thus supplies a simple and practical means for readily expanding and closing the shoe and to hold it in a locked position when closed.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

The herein-described shoe-fastening device, consisting of plates B and C, secured to opposite flaps or portions of a shoe, the plate C having notches C' and a notched hinged cover C'', combined with links B', pivoted to the plate B, and the locking-lever D, pivoted to said links and having a fulcrum D'', adapted to be pivoted in the notches on the plate C and held in position therein by the hinged cover C'', substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 6th day of January, A. D. 1891.

NILS P. SJÖBERG.

Witnesses:

ALBAN ANDRÉN,
ALICE A. PERKINS.