

No. 775,406.

PATENTED NOV. 22, 1904.

L. F. RAMSEY.
SHOE LACE OR STRAP FASTENER.
APPLICATION FILED DEC. 12, 1903.

NO MODEL.

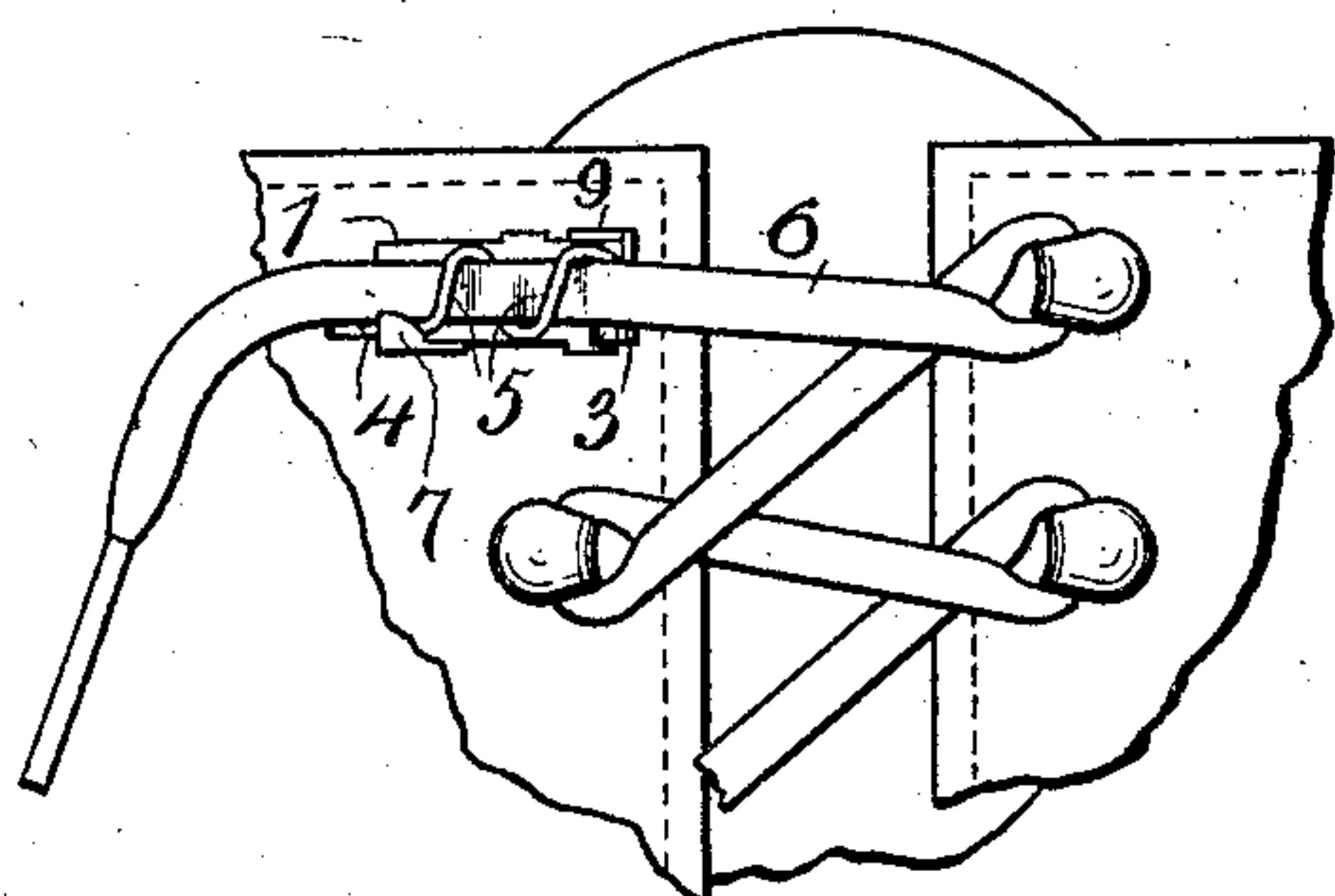


Fig 1

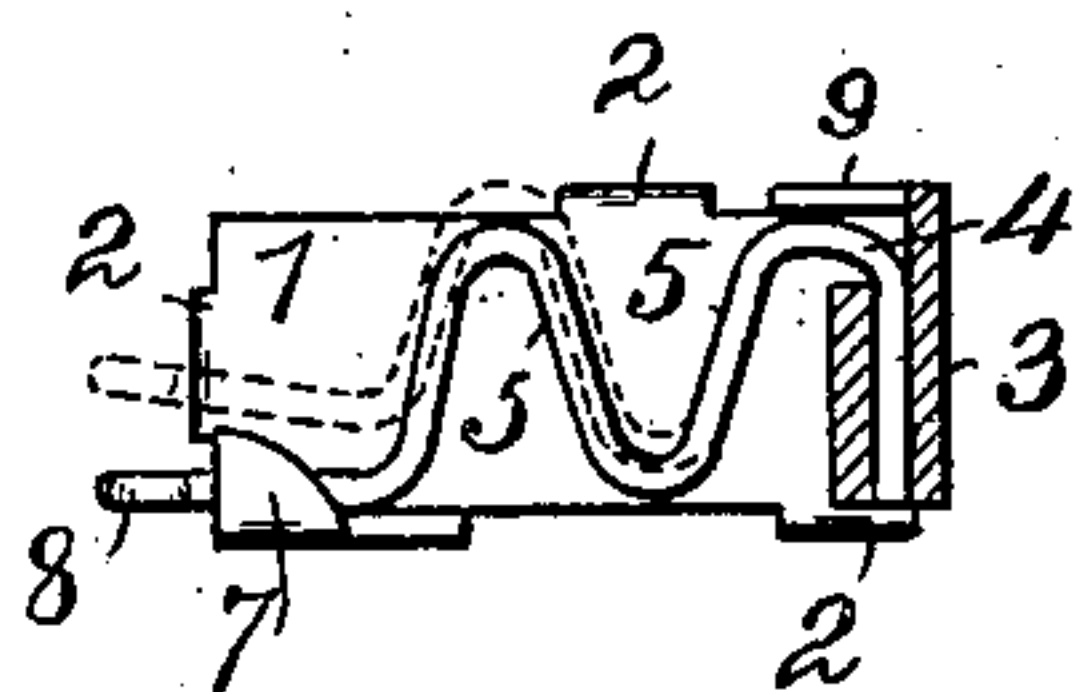


Fig 2

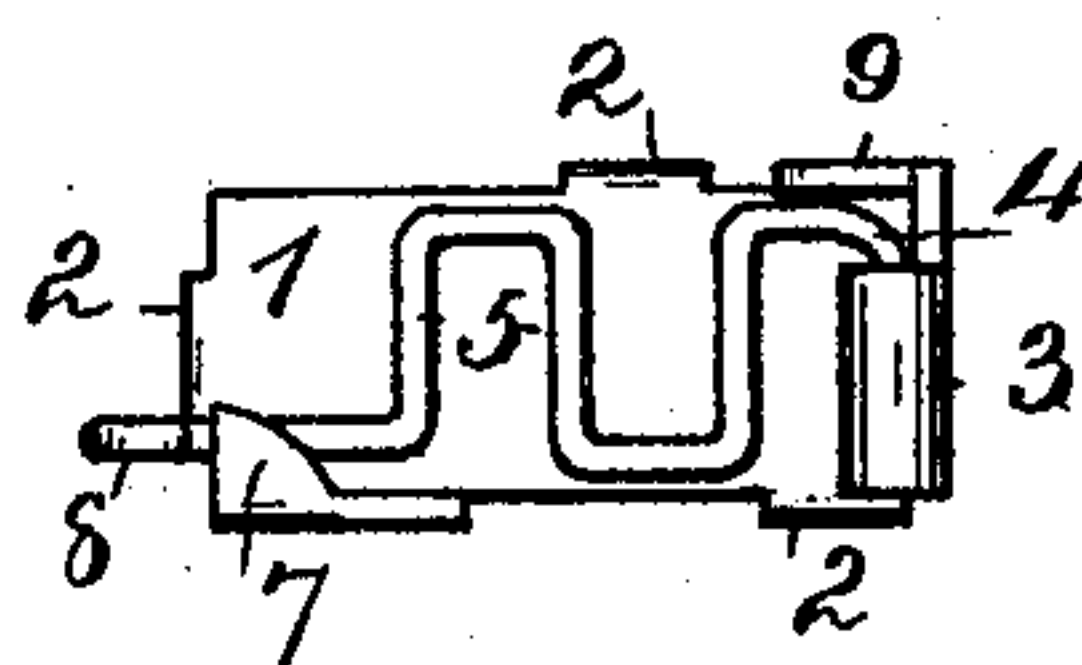


Fig 3

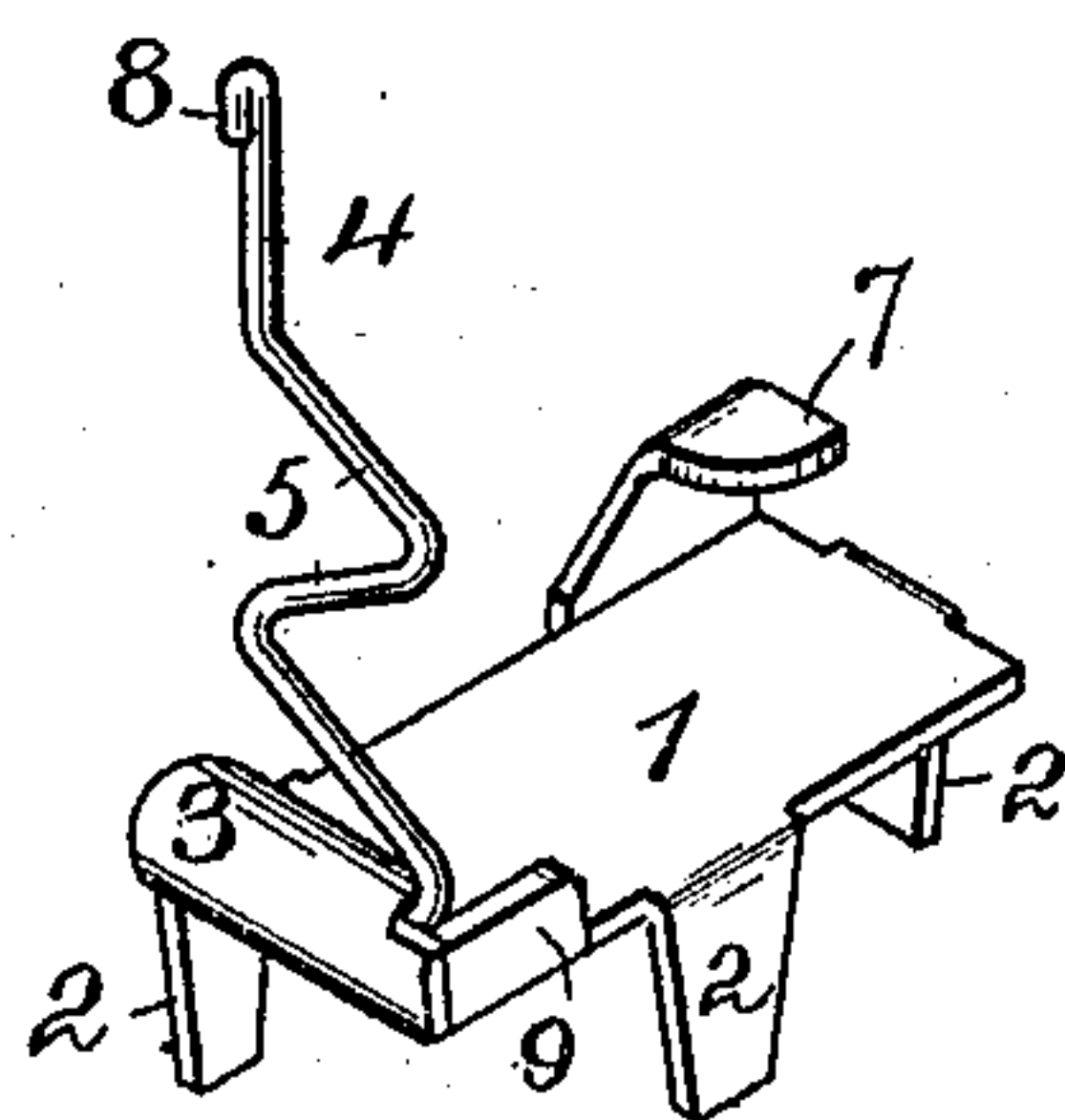


Fig 4

WITNESSES:

R. E. Hamilton.
Geo. C. Hester

INVENTOR,

Lewis F. Ramsey
By *Warren W. House,*
His Attorney.

UNITED STATES PATENT OFFICE.

LEWIS F. RAMSEY, OF KANSAS CITY, MISSOURI.

SHOE LACE OR STRAP FASTENER.

SPECIFICATION forming part of Letters Patent No. 775,406, dated November 22, 1904.

Application filed December 12, 1903. Serial No. 184,873. (No model.)

To all whom it may concern:

Be it known that I, LEWIS F. RAMSEY, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Shoe Lace or Strap Fasteners, of which the following is a specification.

My invention relates to improvements in lace or strap fasteners.

The object of my invention is to provide a device by which the end of a shoe lace or strap may be quickly and securely fastened and from which the lace or strap may as readily be released.

My invention consists in certain novel features of construction, which are hereinafter fully described and claimed.

In the accompanying drawings, illustrative of my invention, Figure 1 represents a front elevation view of the upper part of a shoe to which is secured a lace-fastener of my invention. Fig. 2 is a plan view of the fastener, the cylindrical portion of the base being shown in horizontal section and the corrugated member shown engaged with the lip of the base member. Fig. 3 is a plan view showing a fastener having the corrugated member formed so as to properly engage a strap. Fig. 4 is a perspective view of the form shown in Figs. 1 and 2, the corrugated member being shown in the open position.

Similar characters of reference indicate similar parts.

1 indicates the base member, comprising, preferably, a plate having projections 2, formed at right angles to the body, said projections being adapted to be inserted through the shoe-leather and the ends bent parallel with the body, so as to clench the leather. At one end of the plate 1 is formed a transverse hollow cylindrical portion 3, in which is preferably rotatively mounted one end of the member 4, comprising, preferably, a resilient wire having a plurality of transverse corrugations 5, over and under which the lace or strap 6 is interwoven. The other end of the plate 1 is provided at one side edge with a lip 7, which extends at substantially right angles to the plate on its upper or outer side,

the end of said lip being turned over the plate, so as to receive thereunder the free end of the member 4 when the said member is swung to a position substantially parallel with the plate 1. For convenience in releasing the member 4 from or engaging it with the lip 7 the free end of the member 4 may be provided with a head 8, preferably formed by bending the end of the member 4 back upon itself. When the device is to be used as a fastener for a shoe-lace, the member 4 has the corrugations 5 made in the form of a series of connected undulations disposed in a plane parallel with the plate 1 when the device is in the closed position. When to be used as a strap-fastener, the corrugations of the member 4 of the device are formed as shown in Fig. 3, the transverse portions of the corrugated member being disposed at right angles to the length of the plate 1.

In operating the invention the base-plate is secured in any suitable manner to the shoe or other support and the member 4 swung to the position shown in Fig. 4. The lace 6 is then inserted under the first transverse portion of the corrugated part, thence over the next transverse portion, and thence under the next corrugated portion. The member 4 is then swung over and substantially parallel with the plate 1, the free end of the member 4 being forced under the lip 7, thus securely clamping the lace 6 between the two members. By interweaving the lace 6 in and out of the corrugations 5 the lace is made to assume an undulatory form, in which form it will be securely held against lengthwise movement. To release the lace, it is but necessary to free the member 4 from the lip 7 by springing the member 4 to the position shown in dotted lines in Fig. 2, from which position it can be swung to the position shown in Fig. 4, and then the lace may be quickly disengaged from the corrugations. The device is similarly operated when it is used to fasten the end of a strap.

To retain the member 4 in the cylindrical portion 3 of the plate 1, any suitable means may be employed. In the drawings I have shown a portion of the inner side of one end of the cylindrical portion cut away where the

wire 4 emerges from the cylindrical portion, and opposite this cut-away portion is upwardly extended opposite the central hole of the cylindrical portion a projection 9, which
5 permits the free swinging of the member 4, but prevents its slipping out of the cylindrical portion of the plate 1.

My invention may be variously modified without departing from the spirit thereof.

10 Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination with a base-plate having at one end a lip and at the other end a trans-
15 verse tubular portion, a projection opposite

one end of said tubular portion and projections on the other side of the plate for securing the same to a garment, of a transversely-corrugated member having one end rotatively mounted in said tubular portion and retained 20 therein by the oppositely-disposed projection, the other end of said corrugated member being adapted, when the member is properly swung, to engage the said lip.

In testimony whereof I affix my signature in 25 presence of two witnesses.

LEWIS F. RAMSEY.

Witnesses:

WARREN D. HOUSE,
R. H. HOUSE.