

No. 814,474.

PATENTED MAR. 6, 1906.

G. L. PIERCE.
ANTISLIPPING DEVICE FOR SHOES.
APPLICATION FILED JUNE 29, 1905.

Fig. 1.

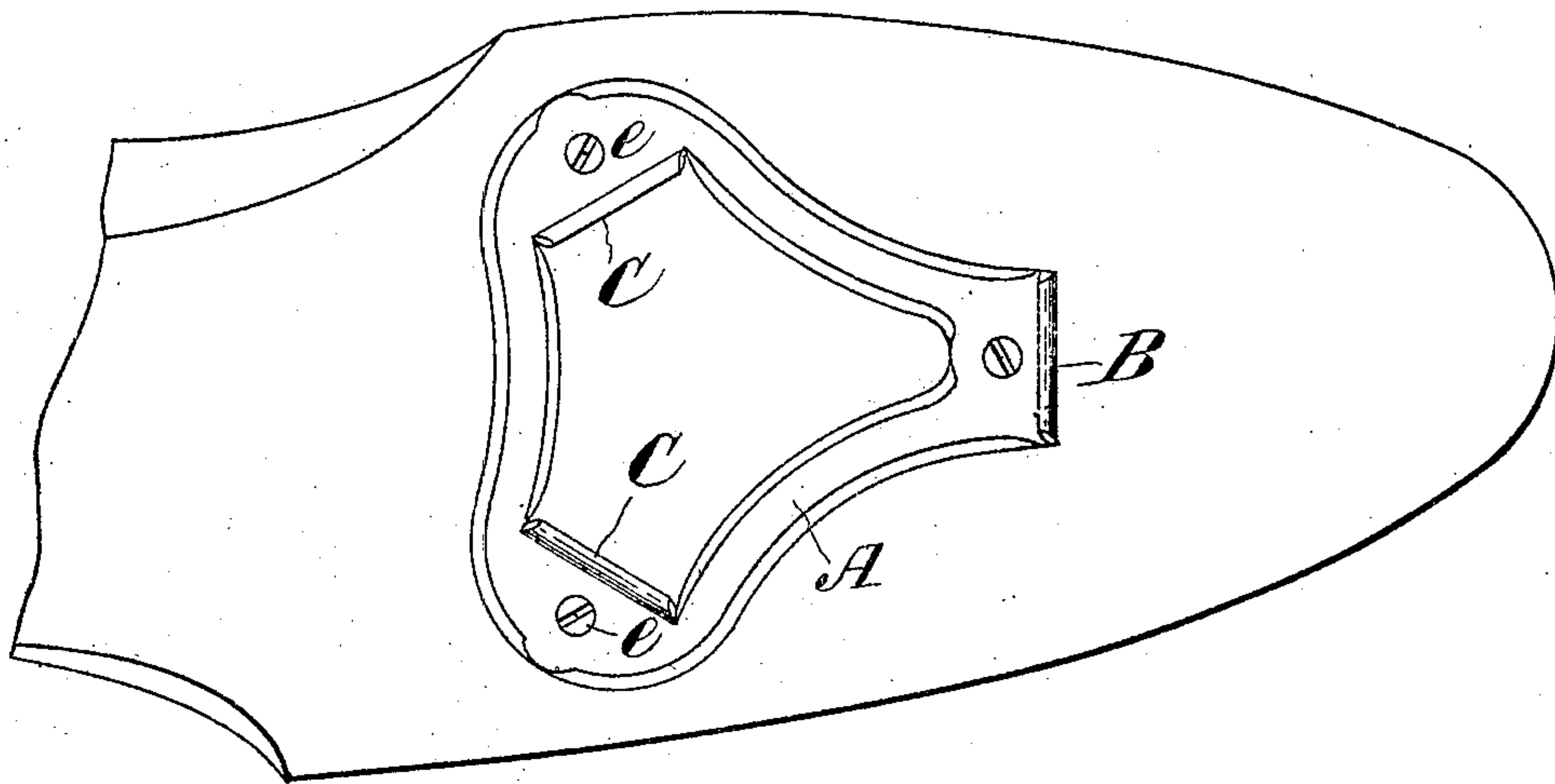
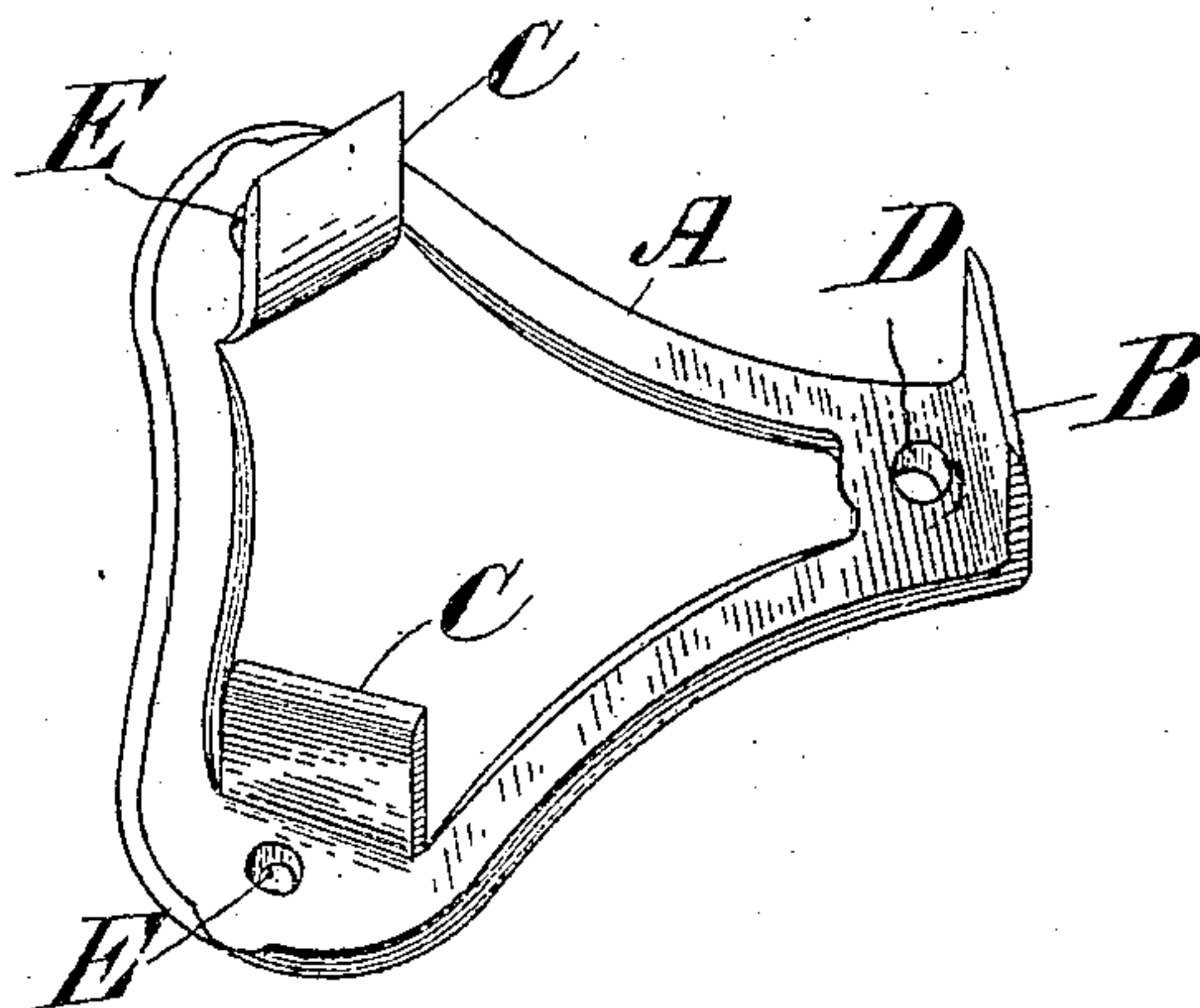


Fig. 2.



Witnesses
[Signature]
J. H. H. H. H.

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Inventor

By his Attorney *[Signature]*
H. H. H. H.

UNITED STATES PATENT OFFICE.

GEORGE L. PIERCE, OF NEW YORK, N. Y.

ANTISLIPPING DEVICE FOR SHOES.

No. 814,474.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed June 29, 1905. Serial No. 267,611.

To all whom it may concern:

Be it known that I, GEORGE L. PIERCE, a citizen of the United States, residing in the borough of Brooklyn, in the county of Kings, in the city and State of New York, have invented certain new and useful Improvements in Antislipping Devices for Shoes, of which the following is a specification.

This invention relates to that class of devices employed by players in athletic games to prevent slipping; and as ordinarily constructed the device consists of a somewhat triangular frame of metal to be secured to the shoe's sole at the broader part thereof and having on it three flat spurs or spikes, one at each angle of the triangular frame. As heretofore made, the securing screws or nails of the device, usually three in number, are at the inside of the respective spurs, and the bearing on the surface of the shoe-sole is found to be so limited in breadth, with the spurs distanced and disposed as they should be, that the device is pressed in against the sole of the foot to an injurious extent.

The object of the present invention is to maintain in the device the relative positions and distances apart of the three spurs and at the same time to increase, widthwise of the sole, the space between the two rear securing screws or nails, so as to dispose the latter out nearer the edge of the shoe-sole or near the point where the sole is secured to the upper of the shoe.

In the drawings, which serve to illustrate the invention, Figure 1 is an under side plan view showing the device secured to the bottom of the sole by screws, and Fig. 2 is a perspective view of the device detached.

The device is made by preference of steel, and the base thereof consists of a frame A, of substantially triangular form, having formed on it the toe-spur B and two rear spurs C C. The toe-spur B may be formed in the usual way by bending the metal of that angle of the frame down and inward at right angles to the frame and providing adjacent to its inner side a hole D to receive a screw. The rear spurs C are formed differently. They are composed each of metal from the inside of the open frame bent down and outward, and the hole E to receive the securing screw or nail is exterior to the spur and in the metal of the frame at the angle of the latter which extends out beyond the spur. Thus, as seen in Fig. 1, the screws *e e* in the holes E E are set in the shoe-sole out near the line where the upper of

the shoe is secured to the sole thereof and the device has a broad bearing on the sole, while the spurs are grouped and distanced in the usual manner.

It may be explained that it is desirable in this class of devices to maintain the relative positions of the spurs and their distance apart and at the same time to provide a broad base for the device with points of attachment near the lateral margins of the shoe, and the present invention attains this object by the construction described.

Having thus described my invention, I claim—

1. As an improved article of manufacture, an antislipping device for a shoe, consisting wholly of an open base-frame of metal of substantially triangular form provided with three spurs only, one near each angle of the frame, the front spur being bent downward and inward to a position at right angles to the frame, and the latter being provided with a screw-hole at the inner side of said spur, and the two rear spurs being bent downward and outward, at right angles to the frame and the latter provided with screw-holes, disposed respectively exterior to the last-named spurs.

2. As an improved article of manufacture, an antislipping device for a shoe, consisting wholly of an open base-frame A, of substantially triangular form, said frame having at its front angle a spur B and hole D, and having at its respective rear angles spurs C, C, and holes E, E, the spurs C being formed from the metal within the frame bent downward and outward, and the holes E being in the base exterior to the respective spurs C.

3. As an improved article of manufacture, an antislipping device, consisting wholly of an open, frame-like base of sheet metal of somewhat triangular form, said plate having a spur B at its front end formed by bending metal of the base downward and inward, two rear spurs C formed by bending metal of the base downward and outward, a screw-hole in the plate interior to the spur B, and two screw-holes in the base exterior to the respective spurs C, substantially as set forth.

In witness whereof I have hereunto signed my name, this 22d day of June, 1905, in the presence of two subscribing witnesses.

GEORGE L. PIERCE.

Witnesses:

WILLIAM J. FIRTH,
H. G. HOSE.