

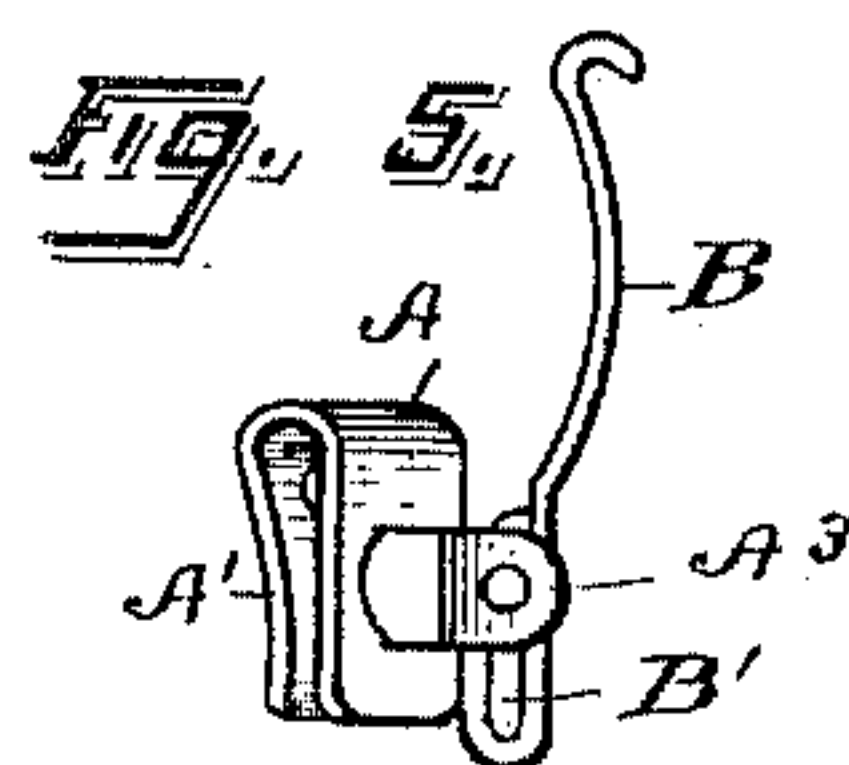
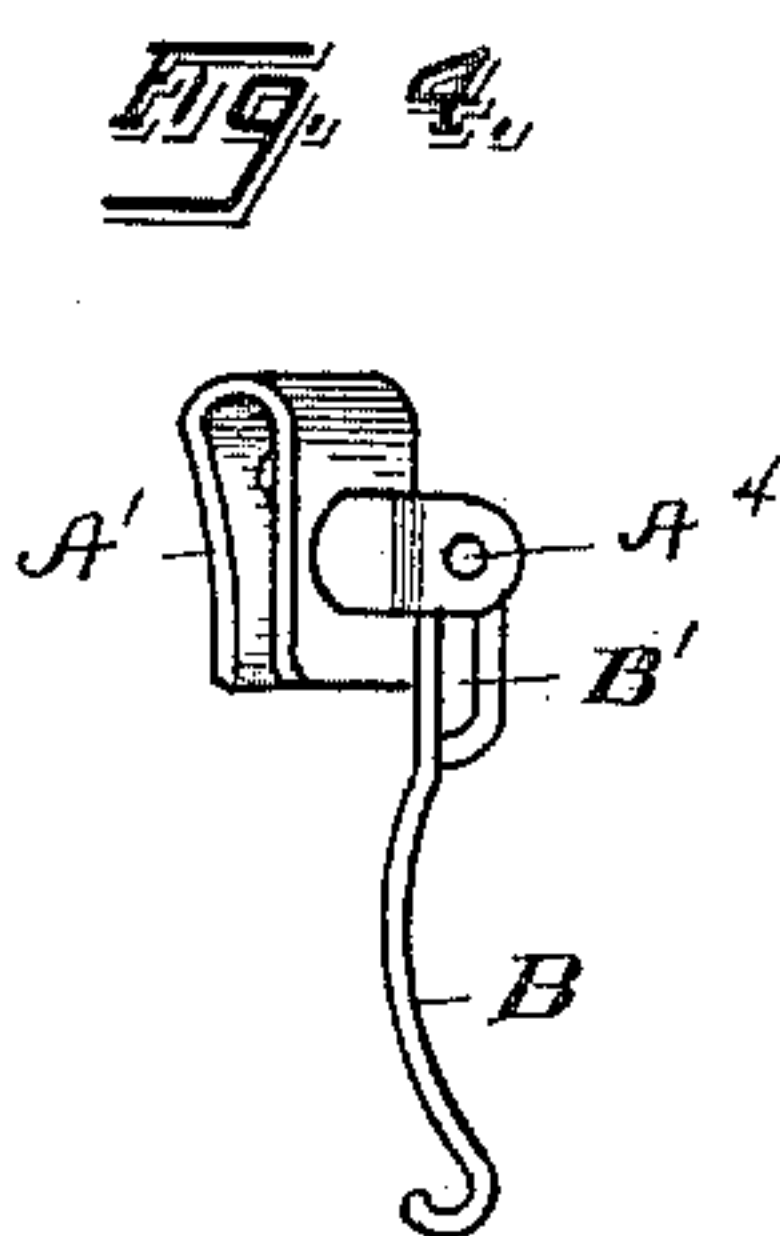
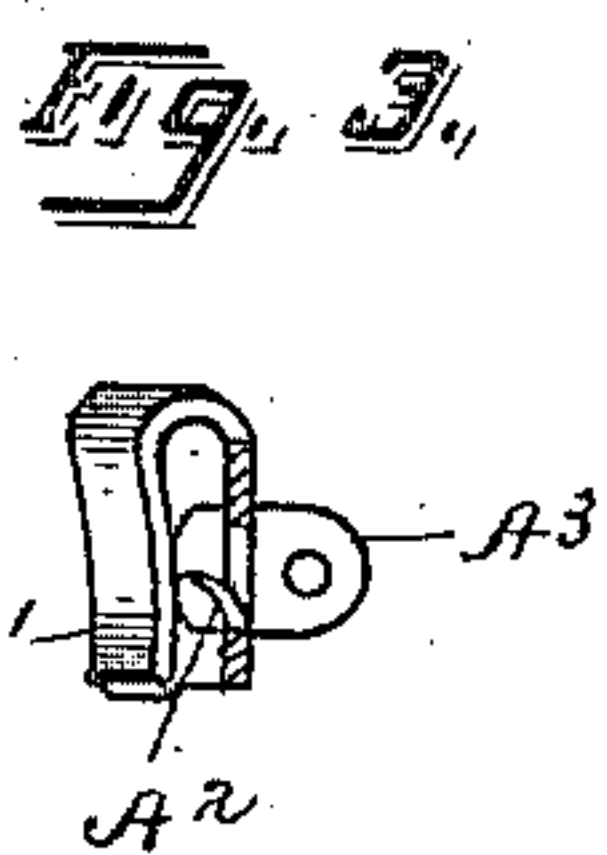
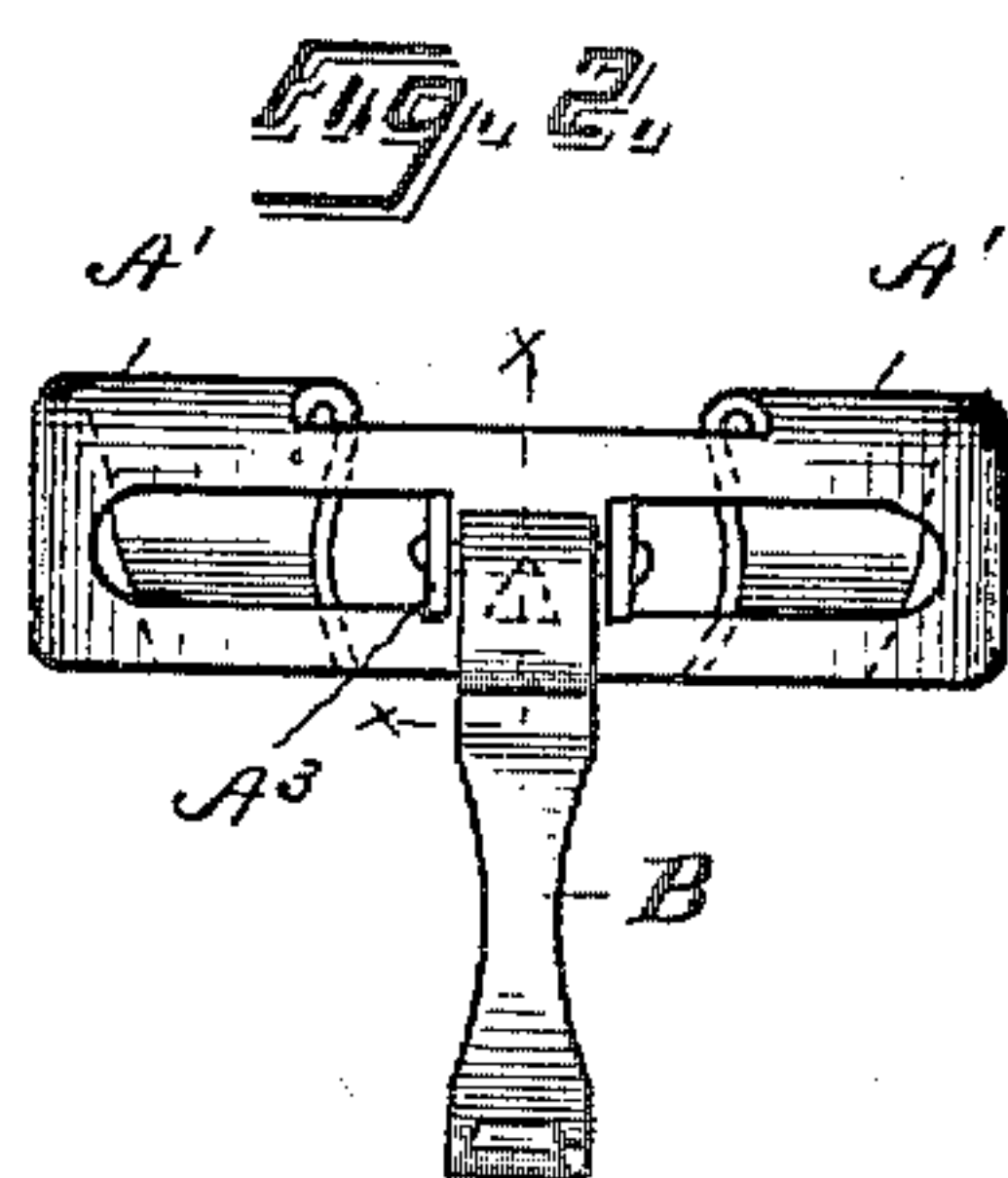
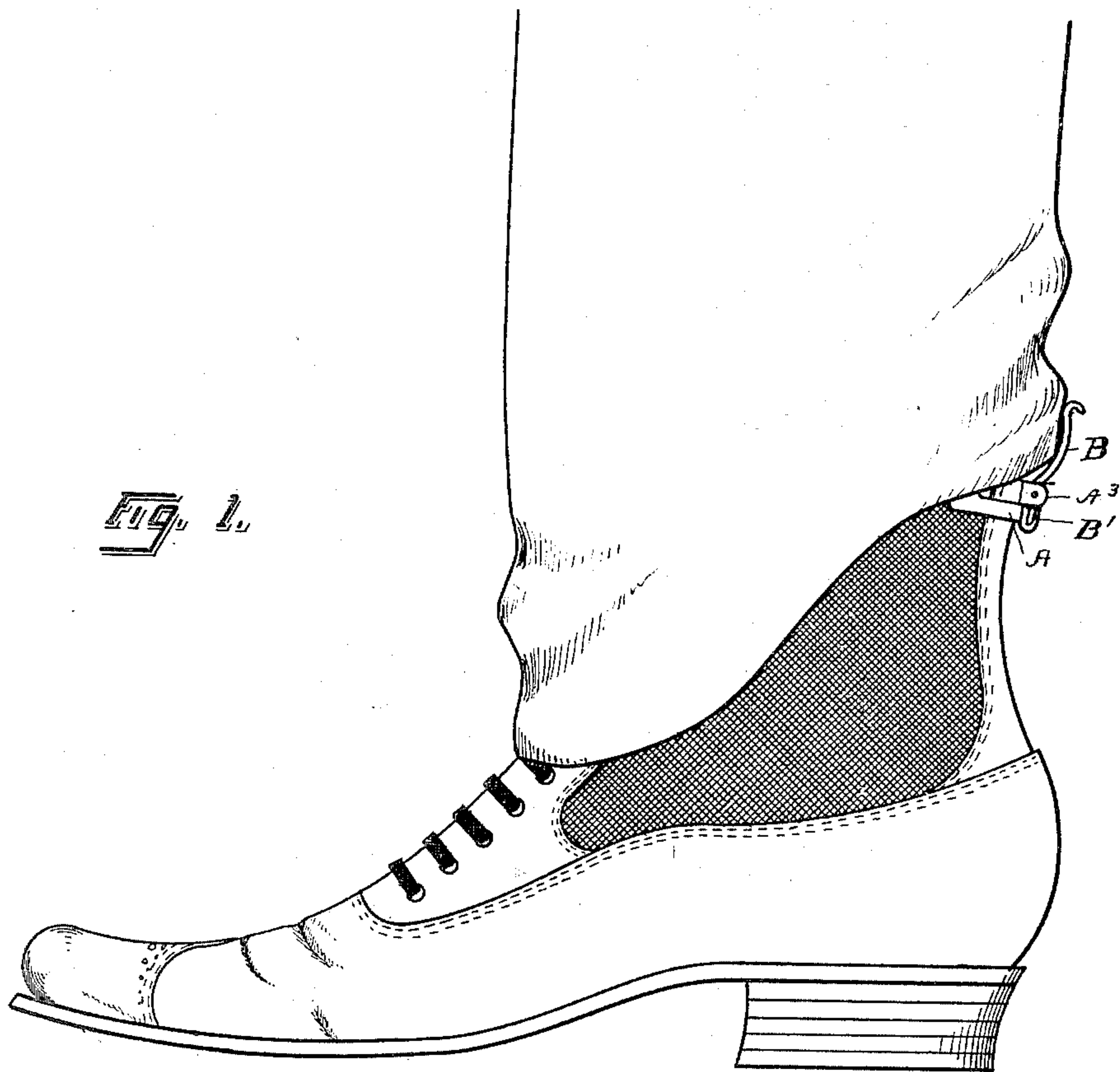
No. 640,277.

Patented Jan. 2, 1900.

P. E. DANIELS.
PROTECTOR FOR TROUSERS.

(Application filed Mar. 4, 1899.)

(No Model.)



Witnesses
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Inventor
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UNITED STATES PATENT OFFICE.

PHILO E. DANIELS, OF OAKLAND, CALIFORNIA, ASSIGNOR OF ONE-HALF TO
GILBERT P. COATES AND ARTHUR L. BOTHAM, OF PAXTON, NEBRASKA.

PROTECTOR FOR TROUSERS.

SPECIFICATION forming part of Letters Patent No. 640,277, dated January 2, 1900.

Application filed March 4, 1899. Serial No. 707,789. (No model.)

To all whom it may concern:

Be it known that I, PHILO E. DANIELS, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Protectors for Trousers; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

This invention relates to improvements in devices for protecting bottoms of trousers from soilure; and it consists of the novel construction and arrangement of the parts, as hereinafter more fully set forth.

The object sought to be accomplished is to place an attachment on the backs of shoes that may form a rest for the bottoms of trousers to hold them free from contact with the mud and slush incident to rainy weather.

In the drawings, Figure 1 is a side elevation of a shoe having the attachment thereon, a section of the trousers-leg being shown to illustrate its use. Fig. 2 is a rear elevation of the device, the retainer being at rest. Fig. 3 is a cross-section on the line X X. Fig. 4 is an end view showing the retainer in a normal position. Fig. 5 is a similar view with the retainer in upward position.

In the description with reference to the drawings distinguishing letters of reference will be given to the various parts of this device.

The invention consists of the clamp A, attached to the back of the shoe by means of the bent-over extensions A', having a space between them to accommodate the usual tape affixed to the back of shoes, and the turned-in point A². Struck up from the clamp A are the earpieces A³, between which the retainer B is mounted upon a pin extending between the earpieces A³. The retainer B consists of a strip of sheet metal of suitable width in ornamental outline, having its one end bent back on itself, as shown in the drawings, to make an elongated slot B', inclosing the pin A⁴. The slot B' is formed with its extremities slightly reduced in size, so as to

engage the pin A⁴ with sufficient friction to lock the retainer in its operative and inoperative positions, the metal of which the retainer is composed being of sufficient springiness to accomplish this, the body of the retainer B being curved to conform to the outline of the back of the shoe when in its normal position and ending in the curled end, Fig. 2, which prevents the liability of chafing the inside of the trousers-leg.

This invention is designed to overcome the objection to rolling the trousers up at the bottom, forming a rim around the bottom of the trousers-leg, which forms a resting-place for particles of mud and the like, besides causing an unsightly crease when they are unrolled and ruining the set of the trousers at that locality.

I form the device preferably of light sheet-steel small enough to be carried easily in the pocket when not in use, if desired.

In attaching the device to shoes it is only necessary to slip the clamp A down over the back of the shoe, the extensions A' inside and the turned-in point A² outside. A slight pressure over the point A² sets it into the leather and securely attaches the device to the shoe.

When not in use, the retainer B is pendent, as illustrated in Figs. 2 and 4. When it is desired to utilize the device, it is merely necessary to reach down, lift the retainer B on its pivot A⁴, and permit it to drop in the position as illustrated, Fig. 5. The trousers may now be placed behind the retainer B, high and dry and out of danger of soilure.

The portion of the retainer provided with the slot is of greater length from its outer end to the inner end of the slot than is the distance from the back plate to the pintle, whereby when the retainer is swung into desired position it is locked in such position; but the thickness of the retainer at the outer end of the slot is less than the distance between the back plate and the pintle, thus permitting the retainer to be swung upon said pintle as a pivot.

I have reduced the construction of my device to the most practical form; but it is obvious that various changes—such as swing-

ing the retainer on a horizontal plane instead of vertically, as shown—may be made within the spirit of this invention.

Having thus described my invention, I claim—

1. In a protector for trousers the combination of a plate having clamping means thereon, to secure said plate to the backs of shoes; a retainer hinged to said plate and adapted to be swung into and out of operative position; and means for locking said retainer in the desired position, substantially as described.

2. In a device of the nature indicated, a plate adapted to be secured to a shoe, a pivot upon said plate, and a retainer provided with an elongated slot receiving said pivot, the length of the slotted portion of the retainer from its outer end to the inner end of the slot being greater than the distance between the plate and the pivot, but the thickness of the retainer at its outer end being less than said distance, whereby the retainer can be swung upon the pivot and when so swung into the desired position upon the pivot the retainer is locked in such position; substantially as described.

3. In a device of the nature indicated, a plate adapted to be secured to a shoe, a pivot upon said plate, and a retainer composed of a strip of material having one end bent back upon itself to form an elongated slot inclosing the pivot, the length of the slotted portion of

the retainer from its outer end to the inner end of the slot being greater than the distance between the plate and the pivot, but the thickness of the retainer at its outer end being less than said distance, whereby the retainer can be swung upon the pivot and when so swung into desired position it is locked in such position; substantially as described.

4. A device of the nature indicated comprising a plate having bent-over extensions with a space between them whereby said plate is adapted to engage a shoe upon opposite sides of the strap, a point struck up from said plate, ears also struck up from said plate, a pivot-pin extending between said ears, and a retainer having an elongated slot receiving said pin, the length of the slotted portion of the retainer from its outer end to the inner end of the slot being greater than the distance between the plate and the pivot, but the thickness of the retainer at its outer end being less than said distance, whereby the retainer can be swung upon the pivot and when so swung into desired position the retainer is locked in said position; substantially as described.

In testimony whereof I have hereunto set my hand this 30th day of December, 1898.

PHILO E. DANIELS.

Witnesses:

BALDWIN VALE,
E. F. MURDOCK.