E. W. WALTZ.

OVERSHOE CLAMP.

APPLICATION FILED APR. 16, 1908.

901,132. Patented Oct. 13, 1908

FIG. 1

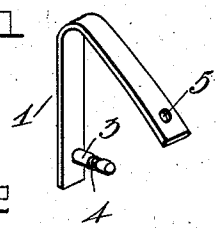


FIG. 2

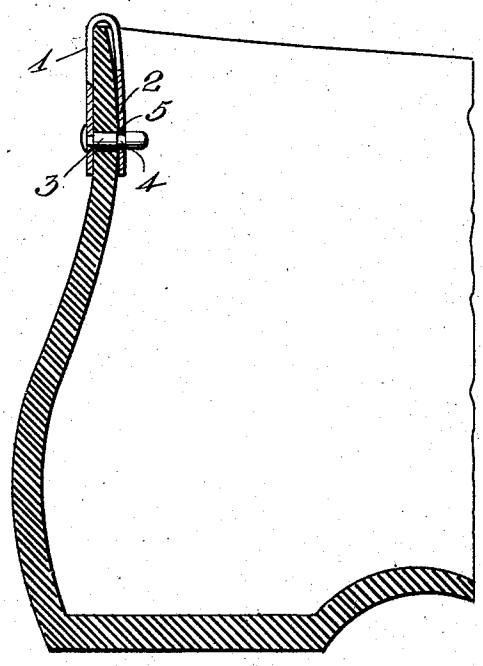


FIG. 6

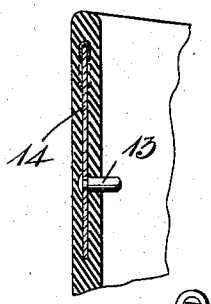


FIG. 3

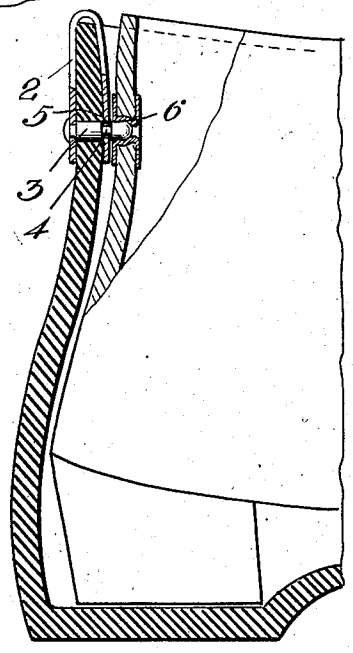
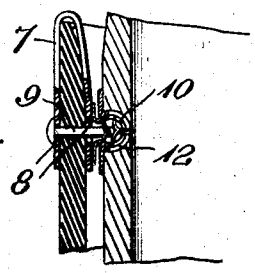


FIG. 4



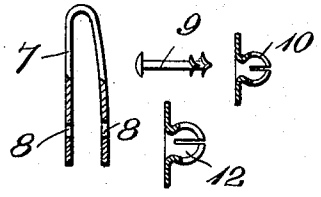


FIG. 5

Witnesses

Inventor

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UNITED STATES PATENT OFFICE.

EZRA W. WALTZ, OF NEWBERRY, PENNSYLVANIA.

OVERSHOE-CLAMP.

No. 901,132. Specification of Letters Patent. Patented Oct. 13, 1908.

Application filed April 16, 1908. Serial No. 427,517.

To all whom it may concern:

Be it known that I, EZRA W. WALTZ, a citizen of the United States, residing at Newberry, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Overshoe-Clamps; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in overshoe clamps.

The object of the invention is to provide an overshoe clamp having means thereon adapted to serve the double function of securing the clamp to the overshoe, and also to attach the latter to the inner shoe.

With this and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of the clamp. Fig. 2 is a similar view after being attached to the overshoe; Fig. 3 is a similar view through the clamp showing the manner in which the overshoe is attached to the inner shoe; Fig. 4 is a sectional view showing a modified form of the clamp applied to the shoe; Fig. 5 is a similar view of the clamp shown in Fig. 4, with the parts separated; and Fig. 6 is a similar view of the upper portion of an overshoe showing a modified form and arrangement of the means for securing the fastening stud thereto.

Referring more particularly to Figs. 1 to 4 of the drawings, 1 denotes the clamp which is formed from a spring metal plate, 2, bent or doubled upon itself midway between its ends and adapted to be engaged with the upper edge of an overshoe, as shown. Riveted or otherwise secured to the lower end of the outer section of the plate is a stud, 3, in which, adjacent to the inner side of the outer section of the plate is formed an annular groove, 4, the purpose of which will hereinafter appear.

In the inner section of the plate, 2, adjacent to its lower end, is formed a locking aperture, 5, which is adapted to be engaged with the head of the stud, 3, after said head has been inserted through the heel portion of the rubber or overshoe, said stud being forced through the aperture, 5, until the latter comes into engagement with the annular groove 4, whereby said inner section of the plate will be locked to the stud, and the clamp thus secured to the overshoe.

In the heel portion of the inner shoe is arranged an eyelet, 6, with which, when the rubber shoe is placed on the inner shoe, is adapted to be engaged the inwardly projecting end or head of the stud, 3, thereby securely locking the overshoe on the inner shoe.

In Figs. 4 and 5, of the drawings, is shown a slightly modified arrangement and construction of the clamp, the latter being shown in this instance as consisting of a spring metal plate, 7, which is bent upon itself midway between its ends in the same manner as described in connection with the first form of the device. In the lower ends of the plate, 7, are formed apertures, 8, and in the aperture of the outer section of the plate is adapted to be inserted a barbed fastening rivet, 9, the barbed inner end of which is adapted to be engaged with a hollow resilient locking stud, 10, thereby securely fastening said locking stud upon the inner side of the outer section of the plate. When the parts are thus arranged the clamp is engaged with the upper edge of the heel portion of the overshoe, and the stud, 10, forced through an aperture formed in said heel portion, after which the apertured end of the inner portion of the plate is forced into engagement with the stud, 10, thus locking the clamp to the overshoe. In this form of the device, the inner shoe is provided with a resilient socket, 12, arranged in the heel portion thereof in position to receive the stud, 10, when the overshoe is placed thereon, thereby securely fastening the overshoe to the inner shoe.

In Fig. 6 of the drawings is shown another modified construction and arrangement of the device. In this figure the fastening stud, 13, is shown as secured to a flat metal strip or plate, 14, which is molded in the upper heel portion of the overshoe, as shown, thereby firmly attaching the stud to the overshoe. In this form and arrangement of the clamp the device is attached to the rubber or overshoe during the course of the manufacture of the same.

Having thus described my invention, what I claim as new and desire to secure by Letters-Patent, is:

1. An overshoe clamp comprising an overshoe member and an inner shoe member, said overshoe member comprising a plate bent

upon itself to engage said overshoe, and a grooved stud adapted to fasten said plate to the overshoe and to engage the member in said inner shoe whereby the overshoe is held in place.

2. An overshoe clamp comprising a plate bent upon itself midway between its ends, a stud arranged on the inner side of one end of said plate, said stud being adapted to be inserted through the heel portion of an overshoe and to be engaged by the apertured end of the opposite section of the plate, thereby locking the clamp to the overshoe, and means whereby said stud is engaged with the inner shoe when the overshoe is placed thereon, substantially as described.

3. In an overshoe clamp, a plate bent or folded upon itself and adapted to be engaged with the upper edge of the heel portion of the overshoe, a stud secured to the inner side of the outer section of said plate, said stud having formed therein an annular groove adapted to be engaged by the apertured end of the inner section of the plate after said stud has been passed through the overshoe, and an eyelet arranged in the heel of the inner shoe in position to receive the projecting end or head of said stud when the overshoe is placed on the outer shoe, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

EZRA W. WALTZ.

Witnesses:
J. C. NEWCOMER,
JOHN E. PUTNAM.