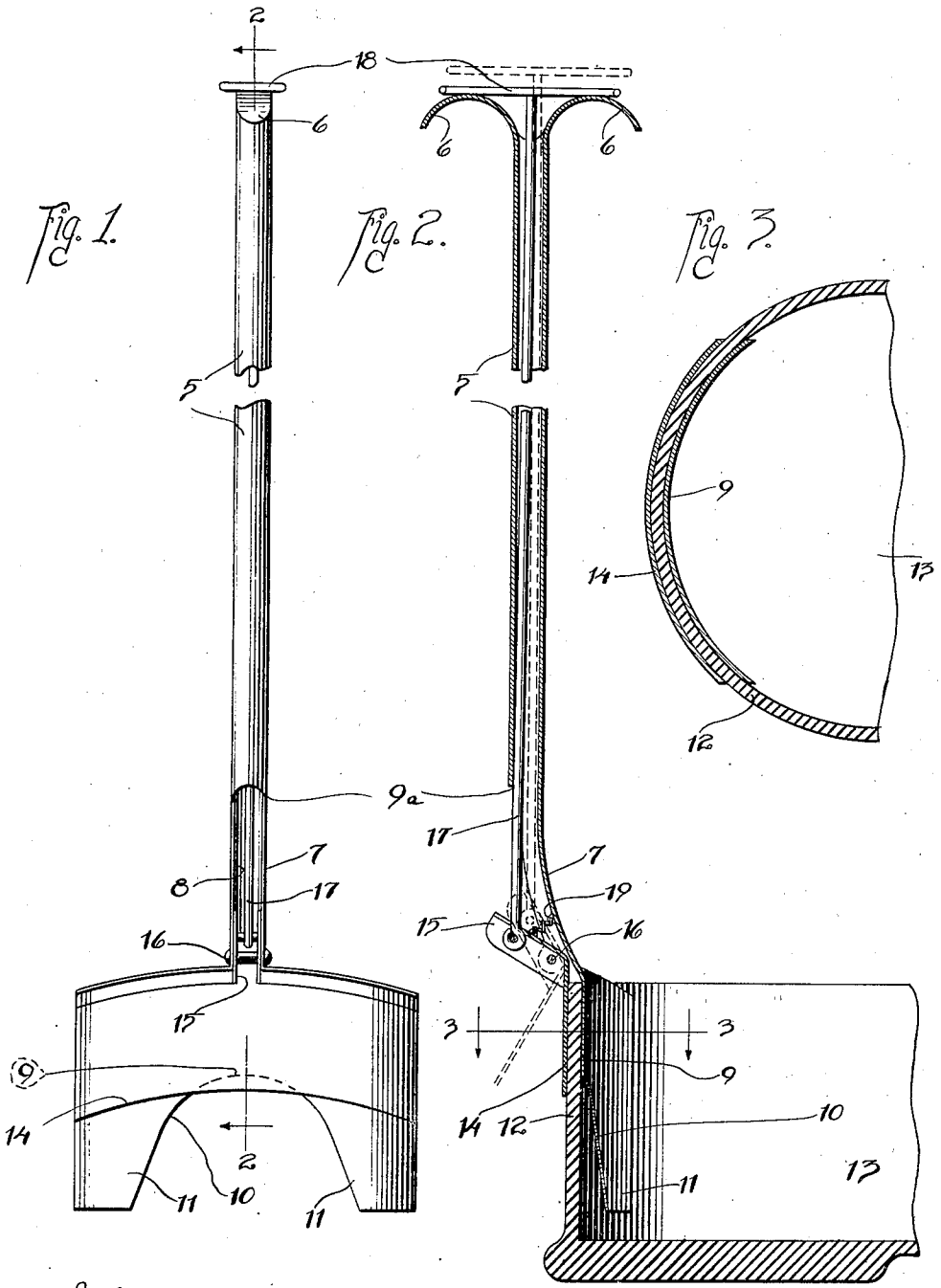
E. A. ASPLUND.

OVERSHOE APPLICATOR.

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1,374,544. **Patented Apr. 12, 1921.**



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OVERSHOE-APPLICATOR.

1,374,544. Specification of Letters Patent. Patented Apr. 12, 1921.

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To all whom it may concern:

Be it known that I, ERIK A. ASPLUND, a citizen of Finland, residing at Waukegan, in the county of Lake and State of Illinois, have invented certain new and useful Improvements in Overshoe-Applicators, of which the following is a specification.

This invention relates to improvements in a device to be used for putting on, adjusting or applying over-shoes to the shoes ordinarily worn while the latter are on the feet of the wearer, and is particularly intended for use in connection with overshoes commonly known as "rubbers", and it consists in certain peculiarities of the construction, combination and arrangement of the various parts thereof as will be hereinafter more fully set forth and specifically claimed.

The principal object of the invention is to provide a device of simple and inexpensive construction, yet strong and durable, by means of which the rear portion of the heel stay of an over-shoe can be firmly grasped or clamped by members of the device, to the end that the over-shoe may be readily manipulated with respect to the common shoe on which it is to be worn, so as to be readily placed on the shoe in which the foot of the wearer is incased, without wrinkling or injury to the heel stay of the over-shoe and without the necessity of the wearer stooping down to handle the overshoe manually.

A further object of the invention is to so construct the device that after the overshoe has been put on the foot of the wearer thereby, the device can be readily removed from its engagement with the overshoe. Still another object of the invention is to provide means whereby the device may be constructed of few parts, thus economizing in the expense of manufacture and rendering it an easy matter to assemble the parts. Other objects and advantages of the invention will be disclosed in the following description and explanation.

In the accompanying drawing which serves to illustrate an embodiment of the invention—

Figure 1 is a rear face view of the device showing the handle thereof shortened for the convenience of illustration and illustrating the parts in about the positions they will occupy when the clamping members of the device are in engagement with the heel stay of the over-shoe.

Fig. 2 is a vertical sectional view taken on line 2—2 of Fig. 1, looking in the direction indicated by the arrows, showing by continuous lines about the position the parts of the device will occupy when engaging an over-shoe for the purpose of applying it to the foot of the wearer, and by dotted lines the normal positions of the parts.

Fig. 3 is an enlarged plan sectional view taken on line 3—3 of Fig. 2 looking in the direction indicated by the arrows.

Like numerals of reference refer to corresponding parts throughout the different views of the drawings.

The reference numeral 5 designates the handle of the device which is hollow or tubular in form as shown in Figs. 1 and 2 of the drawing, and may be made of any suitable length, but by preference, of such length as to present its upper end when the device is being used, a slight distance above the knee of the user, so that the upper portion of the handle can be grasped by the user without causing him to stoop but slightly. The upper end or portion of the handle is provided with finger rests 6 which are located on opposite sides of the handle and are preferably curved as shown in Fig. 2 of the drawing. These finger rests are by preference located in a vertical plane extending longitudinally through the middle of the over-shoe when the device is attached thereto, thus enabling the finger rests to be more conveniently engaged by the fingers of the user than if said finger rests were located at right angles to said longitudinal plane.

At its lower end the handle 5 is provided with a rearwardly curved neck 7 which is substantially semi-circular or U-shaped in cross-section and said neck portion provides a channel 8 which extends downwardly and forwardly from the lower tubular part 9^a of the handle as will be readily understood by reference to Figs. 1 and 2 of the drawing.

At its free or lower end the neck 7 is provided with a transversely disposed clamping jaw or member 9 which is segmental in shape when viewed vertically and by preference has its lower central portion cut-away as at 10, thus producing depending legs or extensions 11 at the sides of said jaw or member. By reference to Figs. 1

and 2, it will be seen that the cut-away portion 10 of the jaw 9 terminates about midway between the lower ends of the extensions 11 and the upper end of said jaw, thus affording an unbroken portion of the jaw to contact with the inner surface of the heel stay 12 of the over-shoe 13 which may be of the well known rubber shoe type.

Located at the rear or outer surface of the clamping member 9 is another clamping member 14 which is curved to correspond with the curvature of the member 9 and like said member, is by preference made of sheet metal. The rear clamping jaw or member 14 is provided at its central upper portion with a rearwardly extended and upwardly deflected arm 15 which is also by preference U-shaped or semi-circular in cross-section, but of less dimensions than the neck 7. The extension or arm 15 of the clamping member or jaw 14 is pivotally secured between the sides of the neck 7 by means of a pivot 16 which is located in said sides near but rearwardly of the front or inner gripping member 9. Pivotally connected to the rear or upper portion of the arm or extension 15 is one end of a rod 17 which is provided at its upper end with a handle 18 disposed transversely with respect to the rod 17 and adapted to over-lie the finger rests 6 on the main handle of the device. Connected at one of its ends to the rear surface of the neck 7 near but above the pivot 16 is a spiral spring 19 the other end of which is suitably connected to the arm or extension 15 at a distance upwardly or rearwardly from the pivot 16 which unites the rear gripping or clamping member 14 to the neck 7 of the handle. By this arrangement it is obvious that normally the rear gripping member 14 will be held in about the position shown by dotted lines in Fig. 2 of the drawing, by reason of the tension of the spring 19, and that when the parts are in such positions, the gripping or clamping members 9 and 14 can be placed astride the rear portion of the heel stay 12 of the over-shoe when by grasping the finger rests 6 and pressing downwardly on the handle 18 of the rod 17, the clamping member 14 will be pressed toward the clamping member 9 and thus cause said members to firmly grasp the upper portion of the heel stay 12, when it is apparent that by inserting the foot of the user in the mouth of the over-shoe 13, the rear portion of said shoe can be drawn upwardly over the heel portion of the common shoe, without the necessity of the wearer thereof stooping down and taking hold of the over-shoe with his hand in the ordinary or customary manner.

It is obvious that in the use of my device, the front or inner clamping jaw or member 9 in conjunction with the neck 7 of the handle to which it is joined will act as a guide or chute for the heel and rear portion of the common shoe of the wearer until the over-shoe is properly adjusted thereon, after which it is manifest that by raising the handle 18, rod 17, and rear clamping member 14 to about the dotted line position shown in Fig. 2, the device can be readily removed from between the common shoe and heel stay of the over-shoe, the cut-away portion 10 of the front clamping member or jaw permitting such action.

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

1. In a device of the class described, the combination with a hollow handle provided in its lower portion with a forwardly extended neck having its rear portion open, of a concavo convex clamping member on the lower end of said neck and extended downwardly therefrom, another clamping member curved to correspond with the curvature of the first mentioned clamping member and having at its upper portion a rearwardly and upwardly extended arm pivotally secured to the lower portion of said neck, a rod connected at its lower end to said arm above its pivot and extended through the hollow handle, and a spring connecting the neck and arm above the pivot of the latter.

2. In a device of the class described, the combination with a hollow handle provided in its lower portion with a forwardly extended neck having its rear portion substantially U-shaped in cross section, of a concavo convex clamping member on the lower end of said neck and extended downwardly therefrom, another clamping member curved to correspond with the curvature of the first mentioned clamping member and located rearwardly of the upper portion thereof, the said rear clamping member having at its upper portion a rearwardly and upwardly extended arm substantially U-shaped in cross section, said arm being located between the walls of the neck portion of the handle and pivotally secured thereto, a rod connected at its lower end to said arm above its pivot and extended through the hollow handle, and a spring connecting the neck and arm above the pivot of the latter.

ERIK A. ASPLUND.