

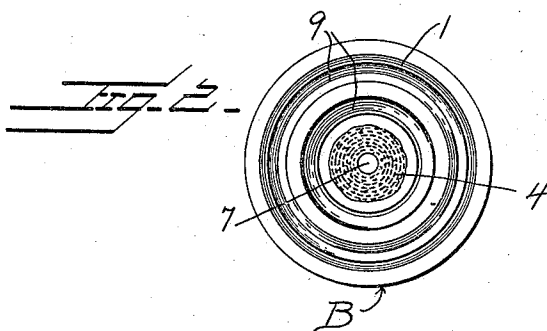
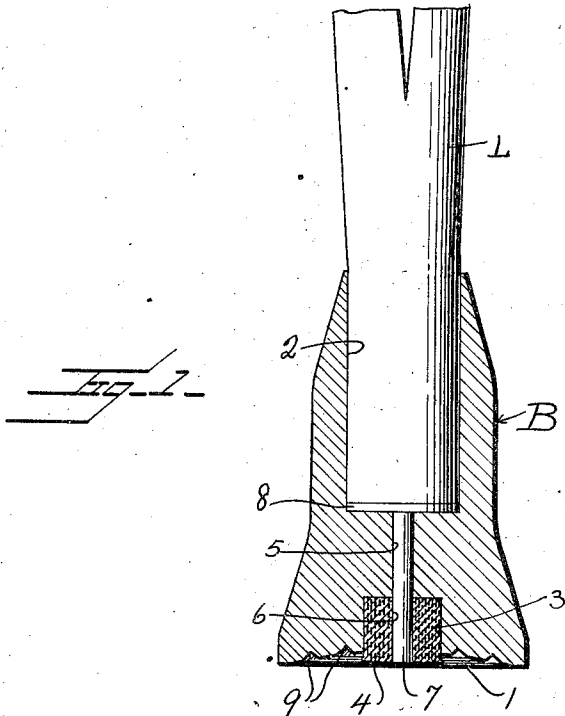
M. S. SNYDER.

TIP.

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TIP.

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To all whom it may concern:

Be it known that I, MARTIN S. SNYDER, a citizen of the United States, residing at Calgary, in the Province of Alberta and Dominion of Canada, have invented certain new and useful Improvements in Tips, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to certain improvements in tips, and has relation more particularly to a device of this general character especially designed and adapted for use in connection with crutches, and it is an object of the invention to provide a device of this general character having novel and improved means whereby the same, when in applied position, serves effectually to prevent slipping of the crutch when in use.

20 The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved tip whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel feature of my invention will hereinafter be definitely claimed.

30 In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

35 Figure 1 is a view partly in section of a tip constructed in accordance with an embodiment of my invention and in applied position, the coating crutch being shown in fragment; and

40 Fig. 2 is a view in bottom plan of my improved tip as herein set forth.

As disclosed in the accompanying drawings, B denotes a body or member formed of rubber or kindred material. The bottom or outer face 1 of the body or member B is concave to assure suction action when the device is in use, and whereby means is provided to prevent slipping.

50 The upper opposite end portion of the body or member B is provided with a longitudinally disposed socket 2 to receive the foot portion of the leg L of a crutch and the bottom or lower end portion of the body or member B is provided with a recess 3 in which is snugly fitted a plug 4 preferably formed of canvas or similar textile material. The plug 4 extends slightly beyond the open

face of the recess 3 so that requisite contact thereof may be had with the ground or other surface to further prevent slipping of the crutch to which the body or member B 60 is applied.

5 denotes an opening connecting the inner ends of the socket 2 and the recess 3 and arranged preferably, at the axial center thereof. The plug 4 is also provided with 65 an opening 6 in register or alinement with the opening 5 and disposed through said openings 5 and 6 is a metallic shank 7 having its outer end terminating substantially flush with the outer face of the plug 4. The 70 shank 7 serves as a further preventative of slipping.

The inner end portion of the shank 7 is provided with a flat head 8 which snugly fits within the socket 2 and contacts with 75 the base of said socket when the shank 7 is applied. The end of the foot or leg L contacts directly upon the head 8 and protects the inner end of the socket 2 against wear or other injury by the leg or foot L. 80

The shank 7 may be readily removed by forcing the same inwardly so that a worm shank may be readily replaced in accordance with the requirements of practice.

The concave face 1 of the body or member B is also provided with a plurality of annular channels or grooves 9 herein disclosed as concentric to the recess 3 and which afford means to further facilitate the requisite gripping of the tip upon the surface with 90 which the same is brought into contact.

From the foregoing description, it is thought to be obvious that a tip constructed in accordance with my invention is particularly well adapted for use by reason of 95 the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof, and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed. 105

What is claimed is:

1. A tip of the class described comprising a body provided with a socket in one end and a recess in its opposite end, and 110 having an opening communicating between the opposed ends of the socket and recess, a

- textile plug fitted within the recess, and a metallic shank disposed through the opening of the body and through the plug, the inner end of the shank being provided with a head overlying the inner end of the socket.
2. A tip of the class described comprising a body having one end concave, said end being provided with a recess, the opposite end of the body being provided with a socket, said body having an opening communicating between the opposed ends of the socket and recess, a plug fitting within the recess, and a metallic shank disposed through the opening of the body and through the plug, the inner end of the shank being provided with a head overlying the inner end of the socket, the concave end of the body being provided with a groove substantially concentric to the recess.
3. A tip of the class described comprising a body having one end concave, said end being provided with a recess, the opposite end of the body being provided with a socket, said body having an opening communicating between the opposed ends of the socket and recess, a plug fitting within the recess, and a metallic shank disposed through the opening of the body and through the plug, the inner end of the shank being provided with a head overlying the inner end of the socket.

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

MARTIN S. SNYDER.

Witnesses:

E. G. WILLIAMS,
C. R. MICHELS.