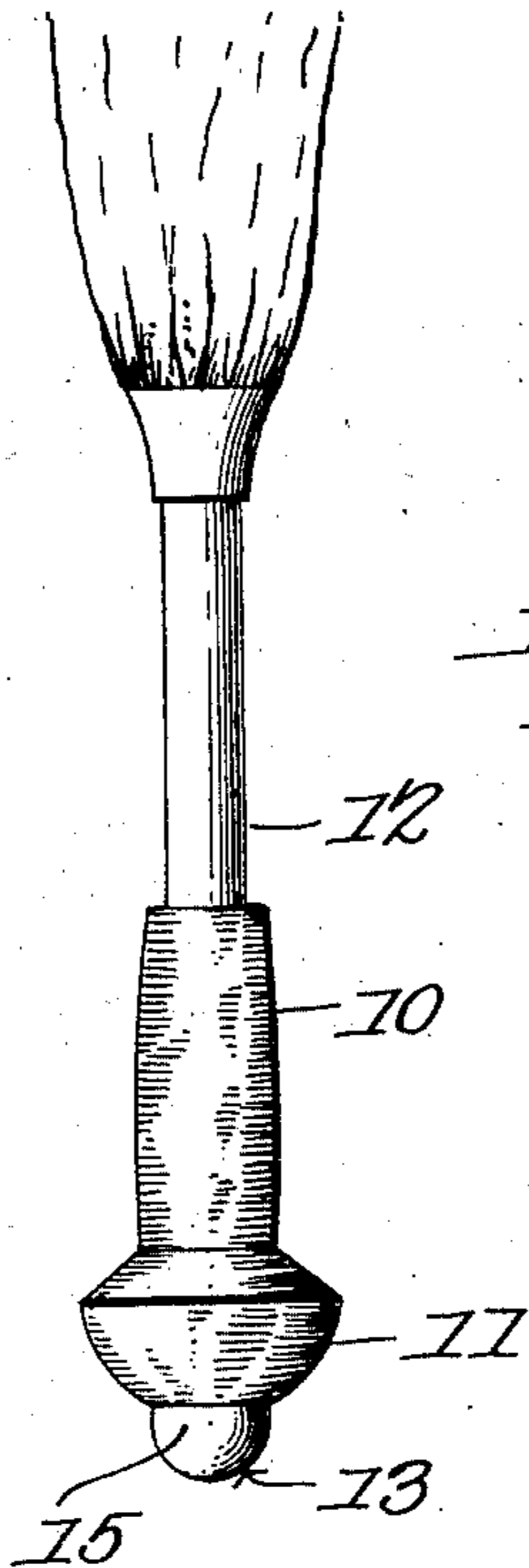


No. 748,082.

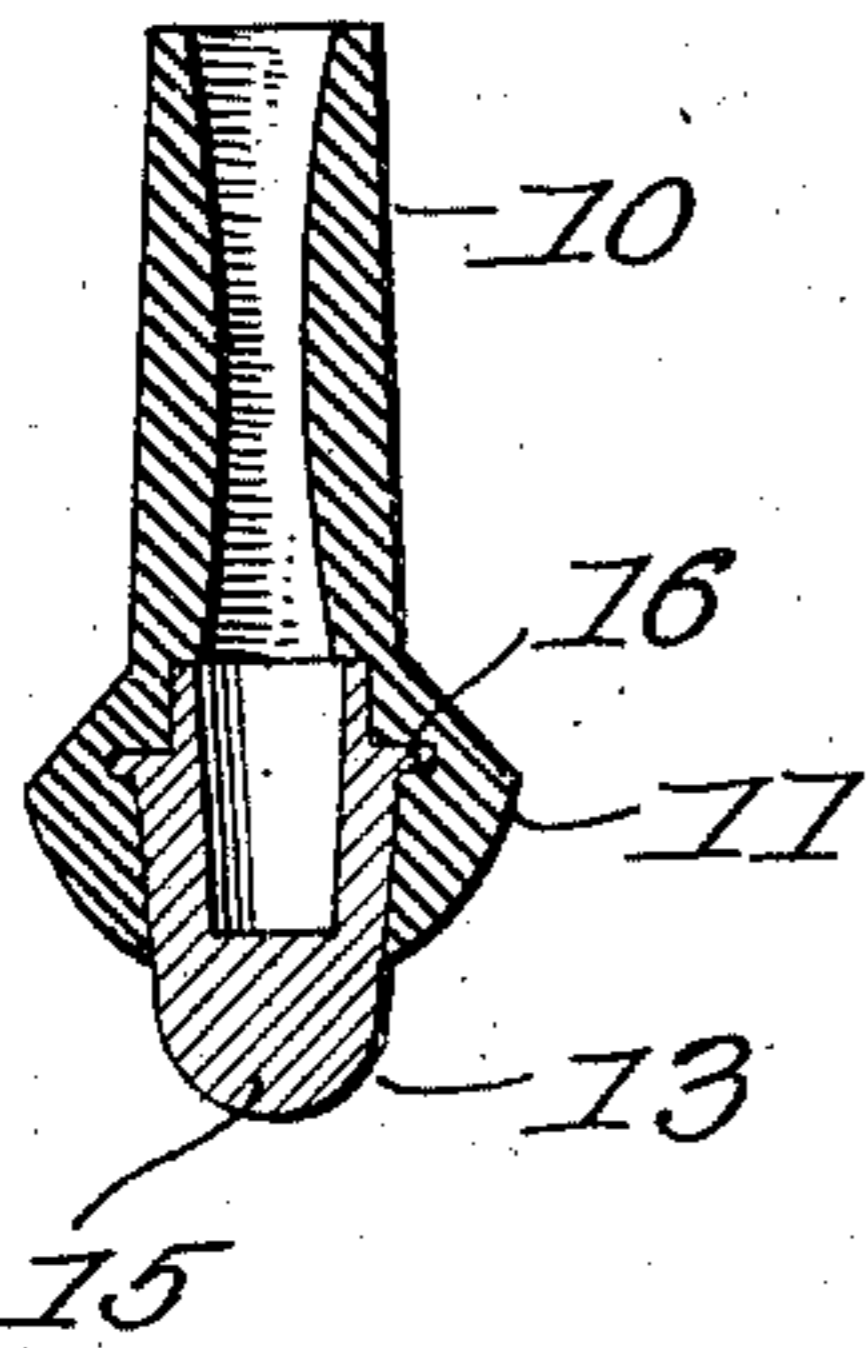
PATENTED DEC. 29, 1903.

J. M. LAUBE.  
UMBRELLA TIP.  
APPLICATION FILED OCT. 2, 1903.

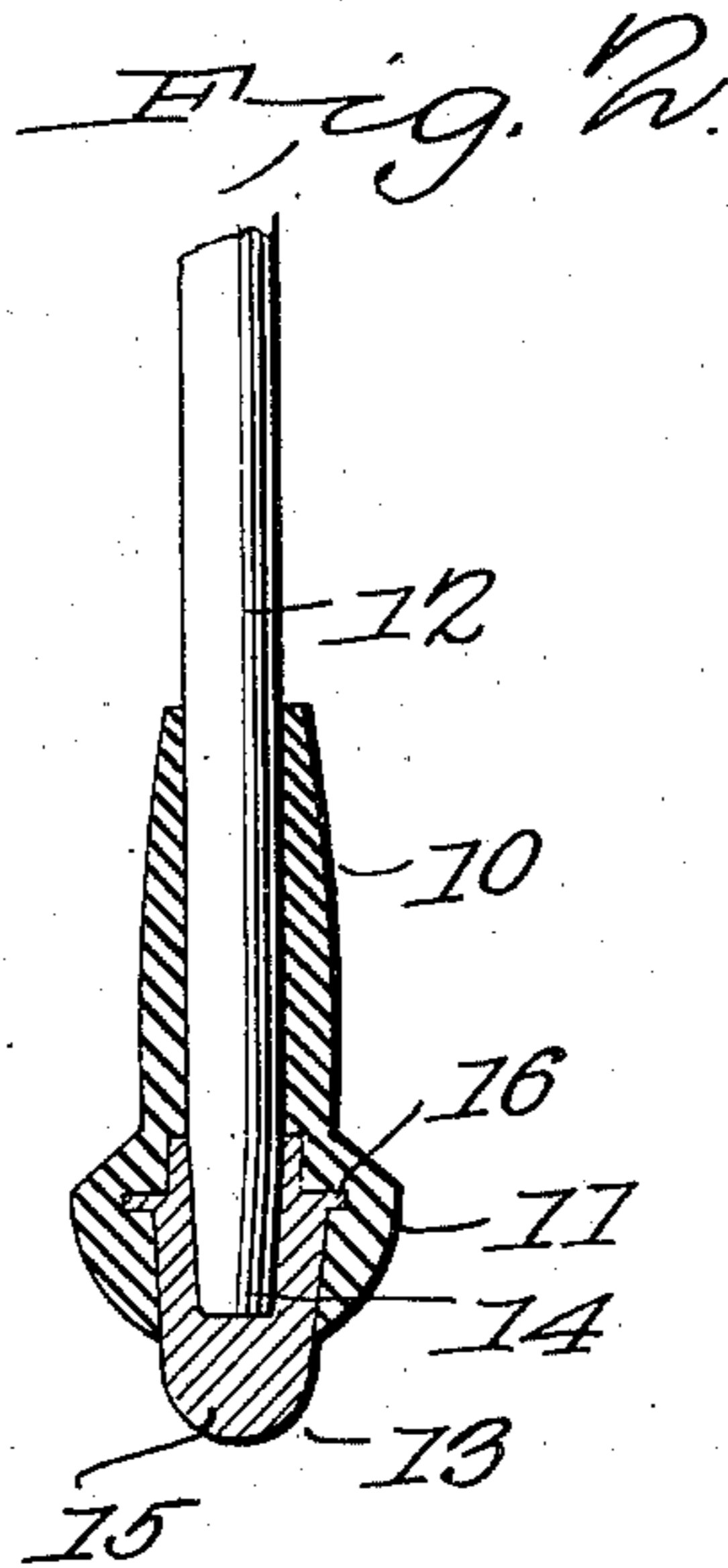
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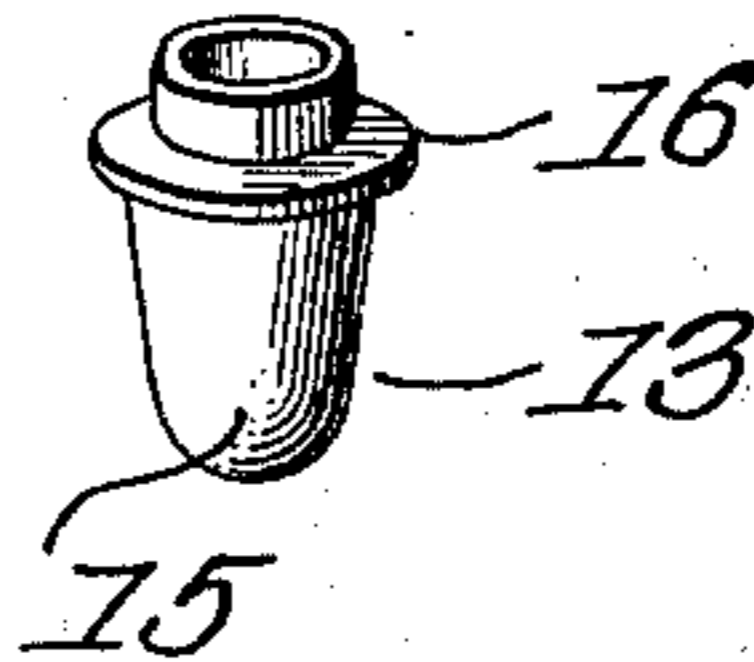
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



*Fig. 4.*

Witnesses  
*E. J. Stewart*  
*C. H. Woodward*

*J. M. Laube,* Inventor.  
by *C. H. Snowles* Attorneys

# UNITED STATES PATENT OFFICE.

JOSEPH M. LAUBE, OF WHATCOM, WASHINGTON, ASSIGNOR OF TWO-THIRDS TO ARTHUR FRANZKE AND OSWALD A. FRANZKE, OF WHATCOM, WASHINGTON.

## UMBRELLA-TIP.

SPECIFICATION forming part of Letters Patent No. 748,082, dated December 29, 1903.

Application filed October 2, 1903. Serial No. 175,498. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH M. LAUBE, a citizen of the United States, residing at Whatcom, in the county of Whatcom and State of Washington, have invented a new and useful Umbrella-Tip, of which the following is a specification.

This invention relates to attachments to the tips of umbrella rods or sticks to prevent the entrance thereof into cracks or crevices while closed and used as a cane; and it consists in certain novel features of construction, as hereinafter shown and described, and specified in the claims.

In the drawings illustrative of the invention, in which corresponding parts are denoted by like designating characters, Figure 1 is a view of the lower portion of an umbrella with the improvement applied. Fig. 2 is a sectional view of the same. Fig. 3 is a sectional view of the improved device detached. Fig. 4 is a perspective view of the metal guard-shell detached.

The improved device consists of a ferrule 10, of relatively soft rubber or similar material, preferably open at both ends and with a lateral bulb-like enlargement 11 near its lower end. The member 10 will be formed to tightly enclasp the free or "tip" end of the rod 12 of an umbrella, and to this end the aperture therein will be longitudinally curved inwardly to provide the side walls thereof with inner convex faces, as shown in Fig. 3, to decrease the interior diameter and cause the ferrule to enclasp the rod with sufficient friction to retain its position without other fastening means.

Embedded in the open lower end of the ferrule is a metal shell 13, having doubly-inclined or "bulging" side walls and with its interior conforming to the tip end 14 of the rod 12, as shown in Fig. 2. The extremity of the shell 13 is rounded, as at 15, and extends beyond the ferrule 10, as shown. By this simple arrangement it will be obvious when the comparatively soft and yieldable rubber or other similar material of which the ferrule is composed is molded or otherwise secured around the shell 13 the bulging sides

will effectually prevent its withdrawal therefrom, and to still further insure the permanency of this connection a flange or offset 16 is formed at the largest diameter of the shell, as shown. By this arrangement the shell will be held sufficiently firm to prevent accidental displacement under any strains to which the ferrule or shell may be subjected.

It will be noted that the end thrust of the rod 12 is borne by the comparatively thick "point" 15 of the shell, and the only strains the softer ferrule is subjected to are the relatively slight pressure to which it is subjected when the point accidentally enters a cavity or crevice which might otherwise endanger the rod.

With one of the improved attachments applied the rod will be guarded and prevented from entering such cavities or crevices and enabling an umbrella or parasol thus equipped to be employed as a cane or walking-stick with an assurance of safety.

The improved device may also be applied to walking-sticks, crutches, and similar articles and with slight and immaterial modifications as to size upon lawn-chairs and other furniture which is to be used upon the comparatively soft ground.

It will thus be seen that a very simple and inexpensive device is produced which may be quickly applied or detached when not required and which will effectually resist strains which would have a tendency to fracture it.

The ferrule portions 10 may be of any desired color to correspond to the umbrella-rod or cover portion with which it is associated.

The improved device may be constructed entirely of rubber or similar material under some circumstances, if required.

Having thus described the invention, what I claim is—

1. An umbrella-tip comprising a ferrule having the side walls thereof formed with resilient convex inner faces, and provided with a bulb-like projection at one end terminating in a reduced rounded extremity.

2. An umbrella-tip comprising a ferrule of rubber having the side walls thereof provided with convex inner faces, and provided with

a bulb-like projection at one end terminating in a reduced rounded extremity of comparatively hard material.

3. As a new article of manufacture, a detachable tip for umbrella-rods, comprising a ferrule of rubber or similar flexible material, and a metal shell closed at one end and formed with reversely-inclined or bulging side walls embedded in the ferrule with its closed end extending beyond the end of the ferrule.

4. As a new article of manufacture, a detachable tip for umbrella-rods, comprising a ferrule of rubber, laterally extended near its

free end, and a metal shell for receiving the extremity of the rod closed at one end and formed with reversely-inclined or bulging side walls embedded in the ferrule with its closed end projecting beyond the end of the ferrule.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOSEPH M. LAUBE.

Witnesses:

J. N. PHILLIPS,  
HELEN G. PHILLIPS.