

No. 686,128.

Patented Nov. 5, 1901.

A. C. PROUDFIT.  
NIPPLE FOR ELECTRICAL CONDUITS.

(Application filed Dec. 24, 1900.)

(No Model.)

Fig. 1

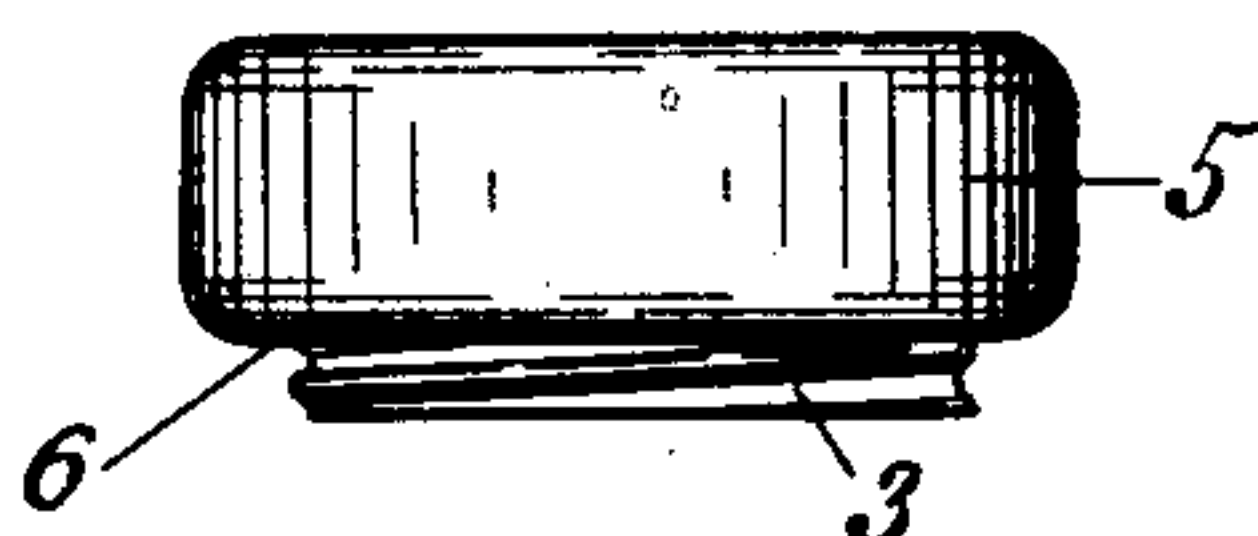


Fig. 3.

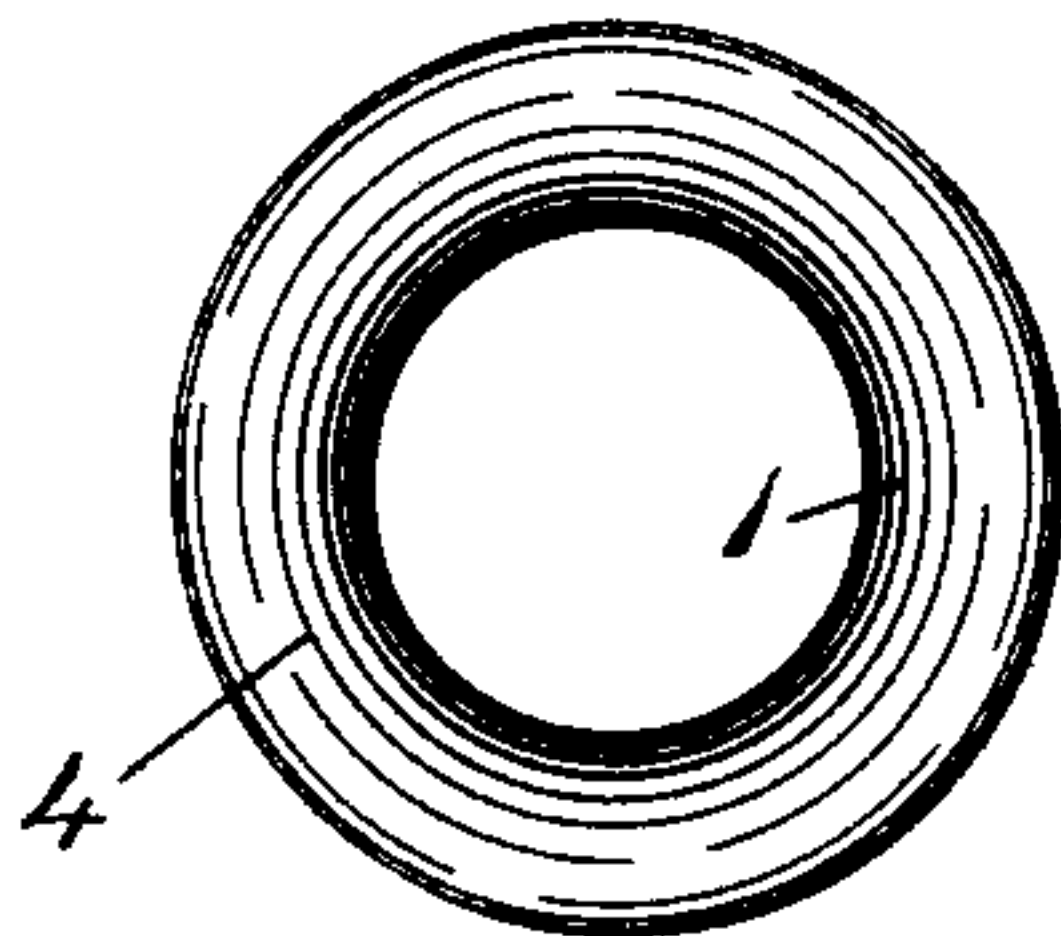
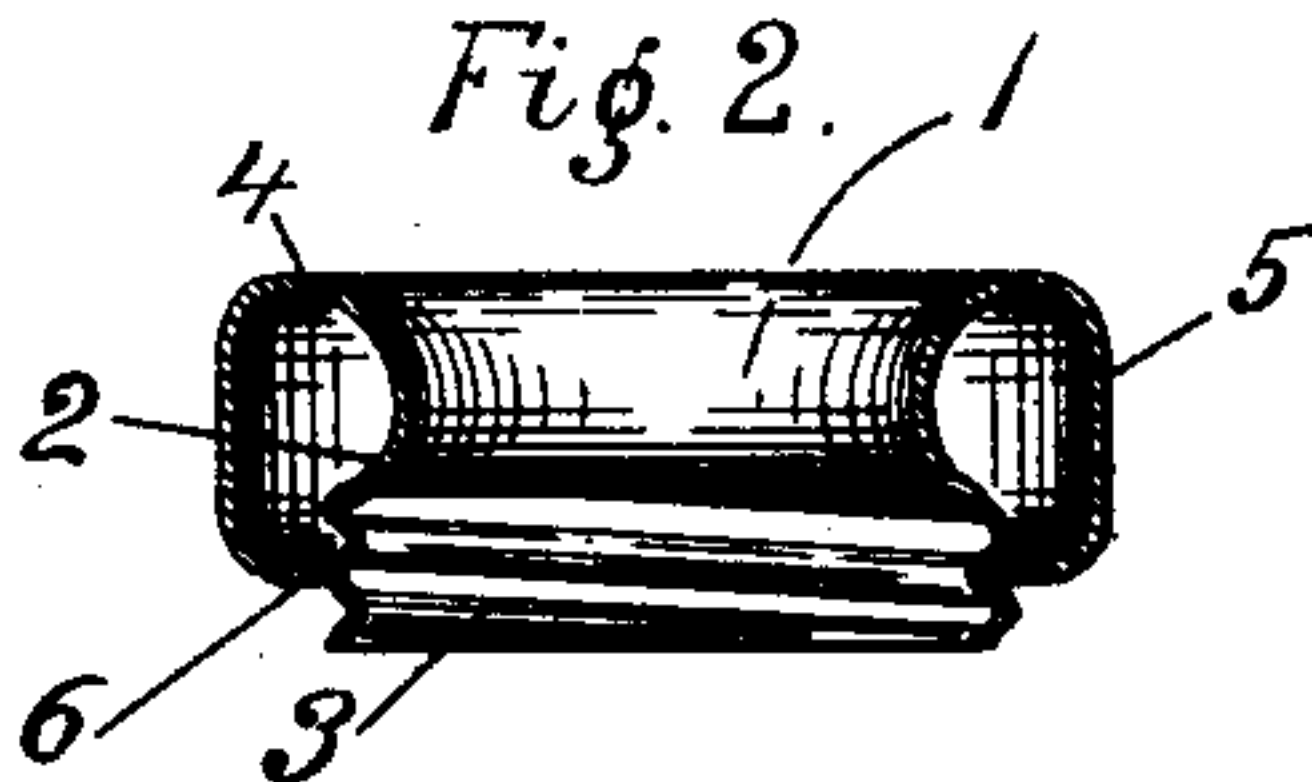


Fig. 2.



Witnesses  
Ivan Koenigsberg  
Chas. W. Kildeth

Alexander C. Proudfit Inventor

# UNITED STATES PATENT OFFICE.

ALEXANDER C. PROUDFIT, OF NEW YORK, N. Y., ASSIGNOR TO THOMAS AND BETTS, OF NEW YORK, N. Y., A FIRM.

## NIPPLE FOR ELECTRICAL CONDUITS.

SPECIFICATION forming part of Letters Patent No. 686,128, dated November 5, 1901.

Application filed December 24, 1900. Serial No. 40,882. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER C. PROUDFIT, of New York, State of New York, have invented certain Improvements in Nipples for Electrical Conduits, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to conduits for wires and the like, and has for its object the production of a coupling, bushing, nipple, or like terminal member of simple and compact construction, inexpensive to manufacture and easy to apply, and one which shall be durable, presenting always a smooth exit for the insulated wires or other contents of the conduit or pipe upon which it is seated.

The leading feature of my improved device resides in the capability of its shank to enter the aperture of a conduit-box, so that the shank will have a long bearing on the pipe end upon which it is seated; but the head or flange of the device which serves to couple the pipe to the box-wall need not be so deep as when the entire device, shank and all, is contained within the box, as in devices of this class in use at present.

The various features of my invention will be illustrated and described fully in the accompanying drawings and specification and pointed out in the claim.

In the drawings, Figure 1 is a view in side elevation of a device embodying my improvements. Fig. 2 is a vertical section of the device shown in Fig. 1, and Fig. 3 is a plan view of the same.

In the embodiment of my invention selected as a convenient form to enable the description of my improvements to be understood readily the reference-numeral 1 designates the throat or inner shoulder of the device, preferably rounded inwardly at the region designated by the reference-numeral 2 (see Fig. 2) and flaring outwardly at the mouth 4, but in any event being of non-abrasive construction to afford a smooth exit for conductors.

The reference-numeral 3 designates the shank, tubular to receive internally and be seated upon a pipe end and, if desired, threaded, as illustrated, to engage a thread upon the pipe as one means of retaining the device in place, the shank projecting beyond the portion 6 of the head 5, substantially as indicated, to render the shank capable of insertion lengthwise through a conduit-box aperture for attachment to a pipe end, the head or flange engaging the wall of the box to couple the pipe thereto.

In the drawings the device is shown as formed from an integral blank of sheet metal, and when this integral formation reduces the operations necessary in manufacture such construction may be found of advantage, obviating loose parts and presenting other desirable features; but I do not limit myself to the use of sheet metal, nor to the exact proportions between head and shank illustrated, nor in general otherwise than as set forth in the claim read in connection with this specification.

What I claim, and that on which I desire to secure protection, is—

A nipple, coupling, bushing or like terminal member for electrical conduit, comprising a tubular shank to receive internally, and be seated upon a pipe end; said shank having near one end an inner non-abrasive shoulder or throat to furnish a smooth exit for conductors, and an outer head or flange; said shank being capable of insertion lengthwise through a conduit-box aperture, for attachment to a pipe end, said flange or head engaging the wall of said box to couple said pipe thereto.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALEXANDER C. PROUDFIT.

Witnesses:

FRANCIS L. PATTEN, Jr.,  
ROBERT H. PATTEN, 2d.