Dec. 9, 1930. C. S. CRICKMER 1,784,223

HANDLE

Filed Nov. 4, 1929

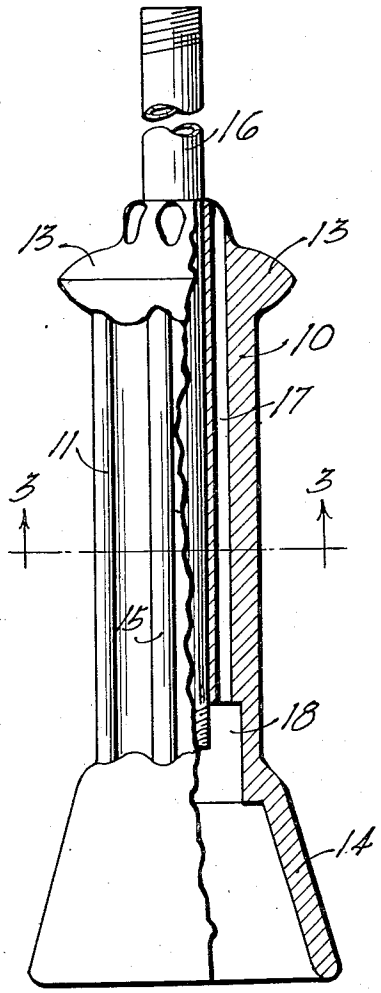


Fig. 1

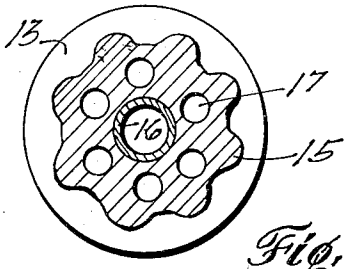


Fig. 3

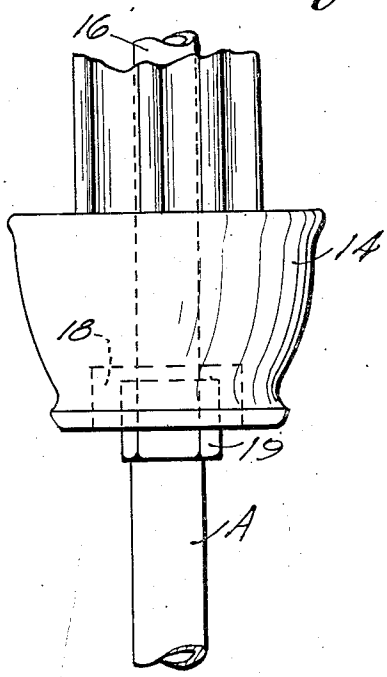


Fig. 4

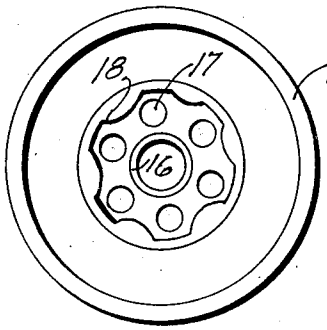


Fig 2

Inventor

Charles S. Crickmer

By Jackson & Ashley Attorney

Patented Dec. 9, 1930 1,784,223

UNITED STATES PATENT OFFICE

CHARLES S. CRICKMER, OF DALLAS, TEXAS, ASSIGNOR TO TRIDEX CORPORATION, OF DALLAS, TEXAS, A CORPORATION OF DELAWARE

HANDLE

Application filed November 4, 1929. Serial No. 404,857.

This invention relates to new and useful improvements in handles.

One object of the invention is to provide a handle for tubular conductors which will possess a comfortable and convenient hand hold and which will be free from exterior fastenings.

An important object of the invention is to provide a flexible handle particularly designed for dissipating the heat from a conductor which the handle surrounds.

Another object of the invention is to provide a flexible handle having one end portion of a tubular conductor embedded therein, whereby the handle is fastened upon said conductor intermediate its ends, and whereby both ends of said conductor may be exposed for coupling with other parts.

A particular object of the invention is to provide a handle member having a flared apron or cuff extending beyond the embedded end of the conductor so as to protect the wrist of the workman's hand and also having sufficient flexibility to be inverted for exposing the coupling and attaching the conductor to a hose or pipe.

A construction designed to carry out the invention will be hereinafter described together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawings in which an example of the invention is shown and wherein:

Figure 1 is a view partly in elevation and partly in section, showing a handle constructed in accordance with my invention.

Figure 2 is an end elevation of the same,

Figure 3 is a horizontal cross-sectional view taken on the line 3—3 of Figure 1, and

Figure 4 is a partial elevation of the handle showing its connection to a tubular conductor.

In the drawings the numeral 10 designates an elongated tubular body or sleeve preferably formed of flexible material capable of resisting and defeating the transmission of heat, however, the body need not be flexible. Highly satisfactory results have been obtained from a body made of a composition including rubber and asbestos. Such a handle, while flexible, may be firmly gripped and is heat resisting. It is, however, understood that the invention is not to be limited to any particular materials.

The body 10 has a hand grip 11 which is intermediate an annular collar or bead 13 and a flared cuff or apron 14. The grip is formed with longitudinal ribs or flutes 15 extending from the collar to the cuff. The collar and the cuff extend radially so as to form guards at each end of the hand grip to prevent the handle slipping through the hand of the operator.

The body is molded on one end of a section of pipe 16 which has both ends exposed and screw-threaded. A suitable nozzle (not shown) may be screwed onto the remote end of the pipe; while the handle end may be attached to a hose or pipe A by a coupling 19. The handle end of the pipe extends into a circular well 18 which opens into the cuff 14. Said cuff extends from the end of the handle proper and beyond the end of the pipe 16. The cuff serves to protect the wrist and coat sleeve of the operator from contact with the conductor A, and also serves as a guard against any leak which may be in the connection of the pipe 16 and conductor A.

The cuff 14 is made with sufficient flexibility to allow it to be inverted or turned back, as shown in Figure 4, thereby permitting the application of a wrench to the coupling 19. A plurality of longitudinal air passages or ducts 17 are provided in the handle and have their ends opening into the well 18 and at the forward end of said handle, thereby providing for the circulation, throughout the length of the handle, of air entering the passages either through the well or at the forward end of said handle. The passages surround the pipe 16 and are equally spaced apart, thus serving to keep the handle cool by the dissipation of heat, which is due to the circulation of air through said passages when steam or hot fluids are passing through the pipe 16.

The ducts have a tendency to make the handle more flexible and also provide cushioning means whereby the grip will more

readily shape to the hand of the operator, thus assuring a firmer and better hold upon the handle. The flutes 15 also afford a better hand hold and provide ventilating channels between the hand of the operator and the handle, thus affording a circulating of air therebetween. The pipe 16 may be of any suitable length convenient to the work to which the nozzle to be attached is to be applied to.

Various changes in the size and shape of the different parts, as well as modifications and alterations, may be made within the scope of the appended claims.

What I claim, is:

1. A flexible handle including an elongated body having an embedded pipe, said pipe having screw-threaded ends, the body having an opening for exposing one of the screw-threaded ends for coupling.

2. A flexible handle including an elongated body having one end of a pipe embedded therein, said pipe having screw-threaded ends, the body having an opening for exposing the threaded portion of said embedded pipe end.

3. A flexible handle including an elongated tubular body having a collar at one end and a cuff at the other end, and a longitudinal fluted hand grip extending between said collar and said cuff.

4. A flexible non-metallic handle including an elongated tubular body having radial members at each end, a longitudinal fluted hand grip extending between said members, and a more flexible cuff extending from one end of the body.

5. A flexible handle including an elongated body having an embedded pipe and a plurality of longitudinal passages surrounding said pipe and terminating at opposite ends of the body, said body having a longitudinal surrounding hand grip extending substantially the length of the body, and a collar and a cuff at opposite ends of the hand grip of said body.

6. A flexible handle including an elongated body having an embedded pipe, an opening in one end of the body for exposing one end of said pipe, longitudinal passages surrounding said pipe and terminating at said opening and at the opposite end of the body, said body having a longitudinal surrounding hand grip extending substantially the length of the body, a collar and a cuff at opposite ends of the hand grip, and screw threads on both ends of the embedded pipe.

In testimony whereof I affix my signature.

CHARLES S. CRICKMER.