Oct. 16, 1928. 1,687,777

W. B. McMURTRIE ET AL

POLISH ROD GRIP

Filed Sept. 27, 1927

Fig. 2.

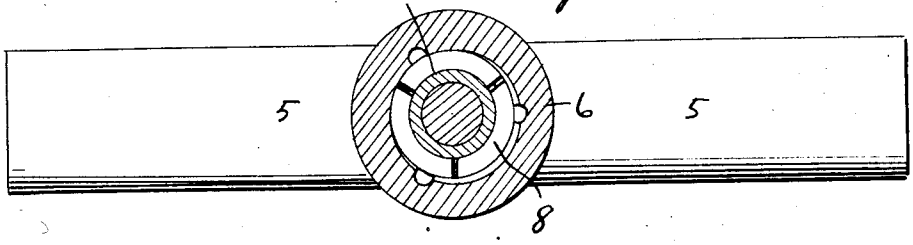


Fig. 1.

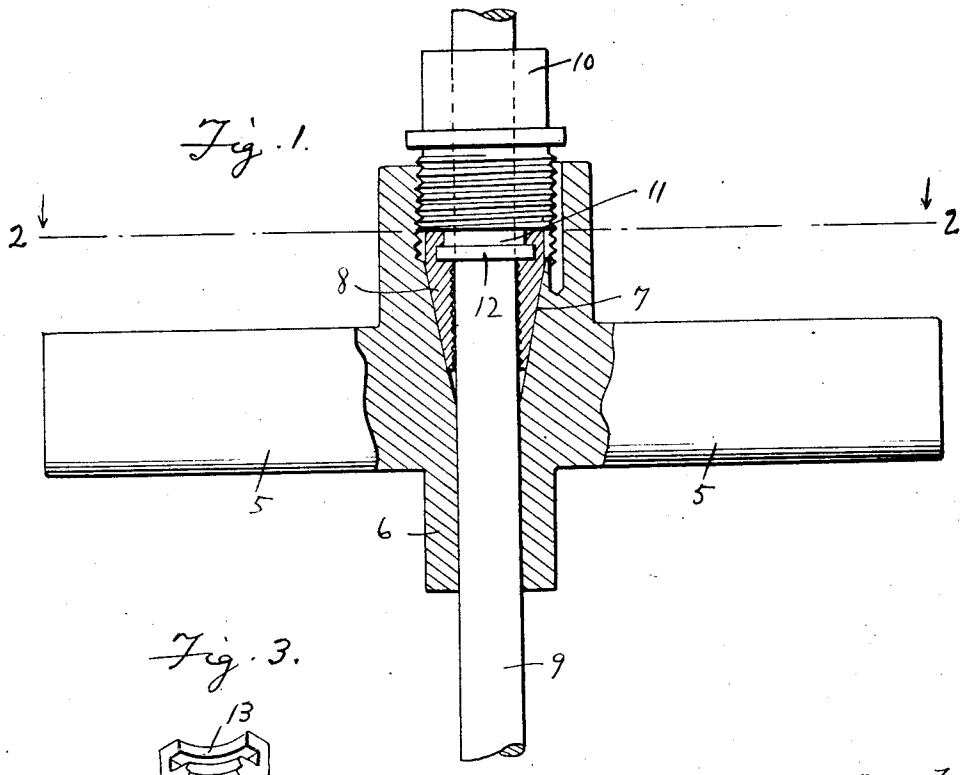
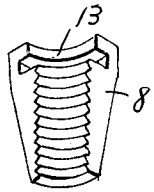


Fig. 3.



Inventors
William B. McMurtrie
W. B. Gover
Clarence A. O'Brien
Attorney

Patented Oct. 16, 1928. 1,687,777

UNITED STATES PATENT OFFICE.

WILLIAM B. McMURTRIE AND WALTER B. GOVER, OF SHIDLER, OKLAHOMA, ASSIGNORS, BY DIRECT AND MESNE ASSIGNMENTS, OF ONE-HALF TO WILLIAM J. DONOHUE AND ONE-HALF TO FRANK WOLFE, BOTH OF TULSA, OKLAHOMA.

POLISH-ROD GRIP.

Application filed September 27, 1927. Serial No. 222,393.

The present invention relates to a polish rod grip and has for its prime object to provide a structure for connecting polish rods with a jack or the like.

Another important object of the invention resides in the provision of a device of this nature which is simple in its construction, easy to assemble, strong and durable, thoroughly efficient and reliable in use, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:—

Figure 1 is a sectional elevation of a grip embodying the features of our invention,

Figure 2 is a section taken substantially on the line 2—2 of Figure 1, and,

Figure 3 is a perspective view of one of the slips.

Referring to the drawing in detail, it will be seen that the numerals 5 denote two diametrically opposed trunnions having a sleeve 6 disposed thereto and having its axis at right angles to the trunnions. The upper portion of the bore of the sleeve is internally threaded and merges into a tapered portion 7 for receiving wedge slips 8 having corrugated inner faces for surrounding the polish rod 9 or the like. A cap screw 10 is threaded in the upper portion of the bore to engage the slips 8 and is provided with an extension 11 having an annular flange 12 thereon to engage in notches 13 provided in the slips 8. Obviously by screwing down on the cap screw 10 the slips 8 may be tightened about the polish rod. The trunnions 5 may be engaged in a jack or the like the usual well known manner for lifting the polish rod.

It is thought that the construction, utility, operation, and advantages of the invention will now be quite apparent without a more detailed description thereof. The present embodiment of the invention has been disclosed in detail merely by way of example since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described our invention, what we claim as new is:—

A polish rod grip comprising a sleeve, the bore of the sleeve having an upper threaded portion, an intermediate portion tapering from the threaded portion, and a relatively small portion at the smaller end of the tapered portion for slidably receiving with a close fit a polish rod, wedge shaped slips receivable in the tapered portion, a cap screw threaded in the threaded portion to engage the slips, said slips being arcuate in transverse section and provided with interior notches at their upper ends to form an annular groove, said cap screw having an extension at its inner end with an annular outwardly projecting flange engageable in said notches.

In testimony whereof we affix our signatures.

WILLIAM B. McMURTRIE.
WALTER B. GOVER.