No. 797,804. PATENTED AUG. 22, 1905.

W. GIBSON.

TOOL HOLDER.

APPLICATION FILED FEB. 6, 1905.

Fig. 1.

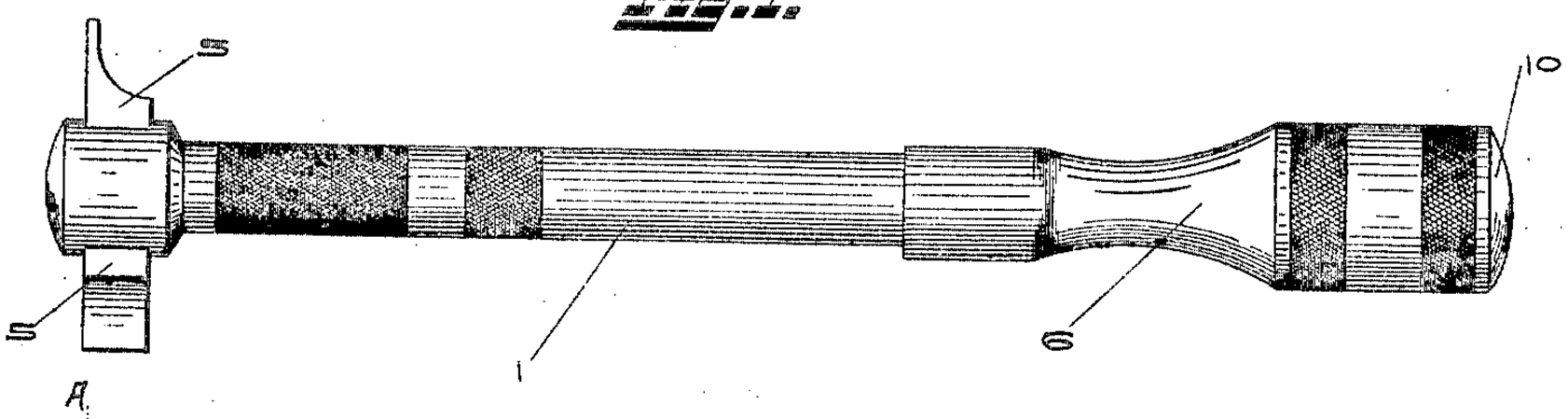


Fig. 2.

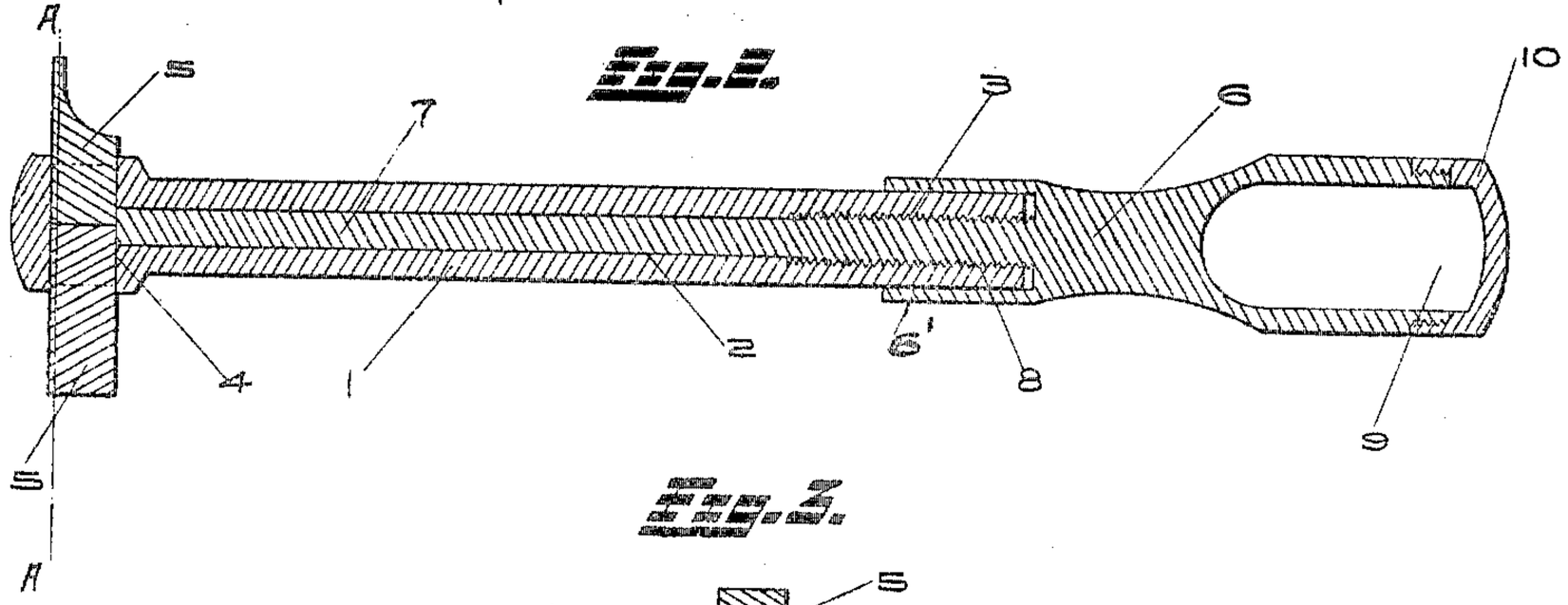


Fig. 3.

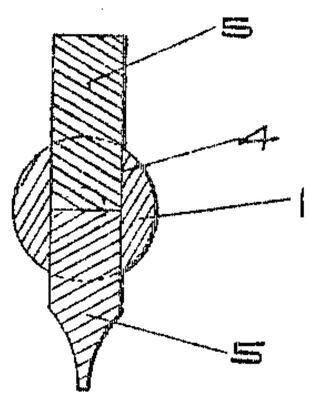


Fig. 4.

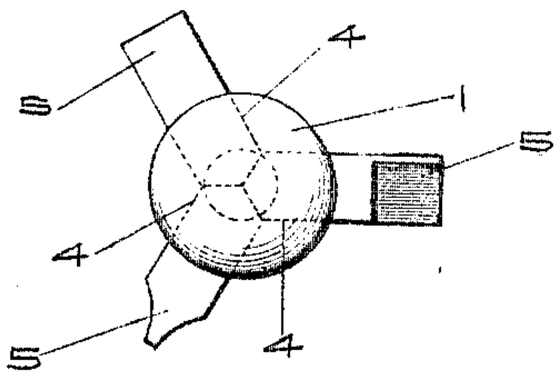


Fig. 5.

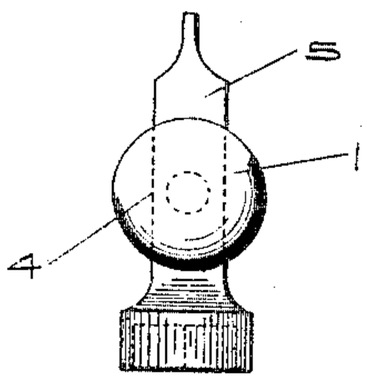


Fig. 6.

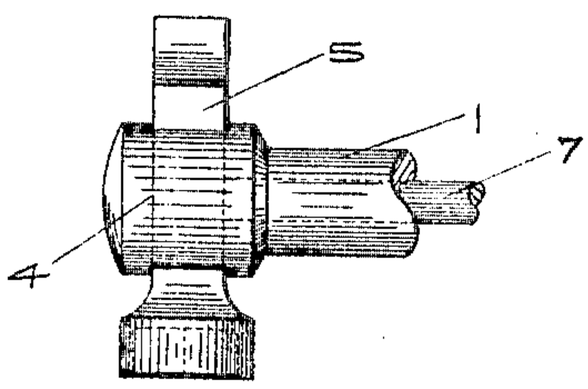
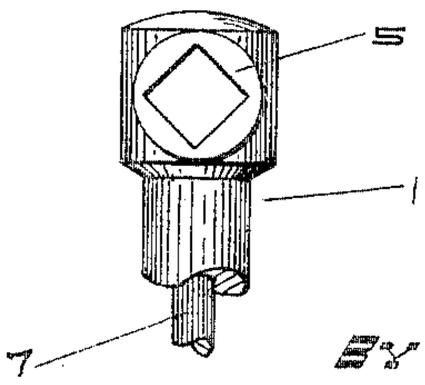


Fig. 7.



WITNESSES

Ernest Twigg

W. A. Bocksmith.

INVENTOR

William Gibson

BY HIS ATTORNEY

Nathan H. Crandall

ANDREW. B. GRAHAM CO., PHOTO-LITHOGRAPHERS, WASHINGTON. D. C.

UNITED STATES PATENT OFFICE.

WILLIAM GIBSON, OF DANBURY, CONNECTICUT.

TOOL-HOLDER.

No. 797,804. Specification of Letters Patent. Patented Aug. 22, 1905.

Application filed February 6, 1905. Serial No. 244,441.

To all whom it may concern:

Be it known that I, WILLIAM GIBSON, a citizen of the United States, residing at Danbury, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Tool-Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in tool-holders, and is particularly designed for holding and operating tools of short length to be used in places which are inaccessible to tools of the ordinary type. Screw-drivers and wrenches are among the tools which may be utilized in this holder.

The object of this invention is to produce a tool of such dimensions as will be convenient to carry about one's person and at the same time be capable of reaching and operating upon remote and inaccessible parts of machinery, such as bolts, nuts, screws, &c., which are so located as to be difficult or altogether inaccessible to tools of ordinary construction.

Further objects are simplicity, durability, efficiency, compactness, and construction of such a character as may be easily and cheaply manufactured.

In the accompanying drawings, Figure 1 is an elevation of one of the many forms which my invention may assume. Fig. 2 is a view in longitudinal section of Fig. 1. Fig. 3 is a transverse section of the device, taken on line A A, Fig. 2. Fig. 4 is a plan of a modification, showing the device arranged to hold three tools. Figs. 5, 6, and 7 are respectively a plan and two elevations of two tools formed integrally and adapted to pass entirely through the head of the holder and be clamped in position, so that a tool projects from either side thereof.

Similar characters refer to similar parts throughout the entire views.

The body portion 1 is provided with a central longitudinal recess 2, female-threaded portion 3, and radial slots 4. Screw-drivers or other tools 5 are fitted into the slots 4.

A handle portion 6 is provided with a binding-rod 7, which is provided with a male-threaded portion 8, recess 9, and a threaded screw-cap 10.

The threaded male portion 8 of the handle is fitted to screw into the female-threaded portion 3 of the body portion, and the binding-rod 7, through the action of the aforesaid threaded portions, is forced into contact with the screw-drivers, (or other tools which it may be found desirable to fit into the recesses or radial slots 4,) thereby holding them firmly and securely in place.

A recess 9 is formed in the handle 6 for the reception of spare or extra tools, and a screw-cap 10 is fitted to close the receptacle.

The handle portion 6 is provided on the edge of one end with the flange 6′, which engages the exterior surface of the body portion 1.

In Fig. 4 a modified form is shown in which three screw-drivers are shown mounted, each blade being set at a different angle to facilitate the turning of a screw (situated in an inaccessible place to the ordinary type of tools usually employed for this purpose) by hitching it around step by step with first one tool and then another in a manner well understood by those skilled in the mechanical arts.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A tool-holder formed in sections, one of said sections having a slotted head at one end to receive tools, and having a longitudinal bore communicating therewith, the walls at the opposite end portion of the bore being threaded, and a second section having projecting at one end from its longitudinal axis a tongue adapted to fit within the bore of the first section, and bear against the tools within the head, and hold the same, said tongue being threaded to engage the threads of the bore, and an annular flange formed on one end of the second section to embrace the adjacent end portions of the first section.

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

WILLIAM GIBSON.

Witnesses:

FREDERICK L. WILSON,

EUGENE M. BULKLEY.