

W. KAISER.
 COMBINED SEAT DRESSER AND CUTTER HOLDER.
 APPLICATION FILED JUNE 15, 1910.

1,041,479.

Patented Oct. 15, 1912.

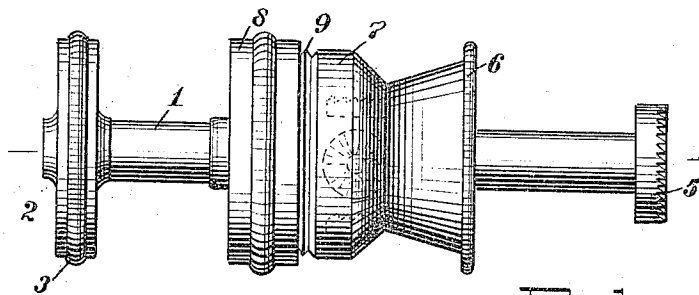


Fig-1

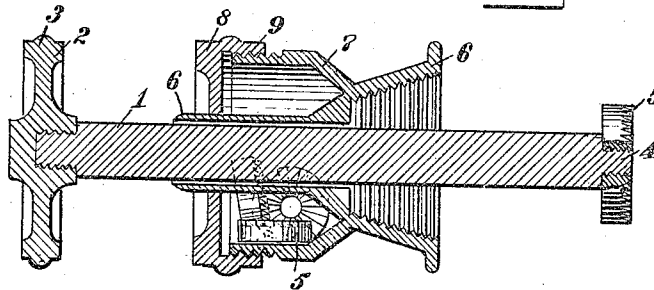


Fig-2

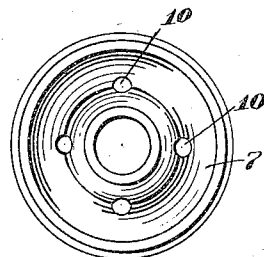


Fig-3

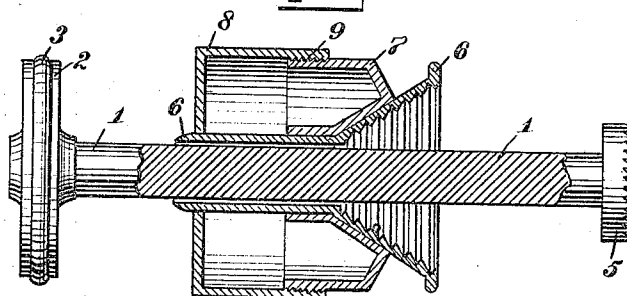


Fig-4

WITNESSES

P. A. Hoster
H. Whiting

INVENTOR

William Kaiser

BY *Munroe*
 ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM KAISER, OF WILKES-BARRE, PENNSYLVANIA.

COMBINED SEAT-DRESSER AND CUTTER-HOLDER.

1,041,479.

Specification of Letters Patent. Patented Oct. 15, 1912.

Application filed June 15, 1910. Serial No. 566,962.

To all whom it may concern:

Be it known that I, WILLIAM KAISER, a citizen of the United States, and a resident of Wilkes-Barre, in the county of Luzerne and State of Pennsylvania, have invented a new and Improved Combined Seat-Dresser and Cutter-Holder, of which the following is a full, clear, and exact description.

This invention relates to a dresser for re-cutting valve seats, and a cutter-holder combined therewith.

A plumber, in the ordinary run of his work, is obliged to re-cut valve seats of various sizes and forms. In order to do this properly, he must have a tool which may be adjusted to fit any valve seat within reasonable limits. This requires generally a plurality of cutters of various sizes and forms, and it has been the custom for the workman to string these cutters on a cord and carry them along with the valve seat dresser. Often the string is left untied, and one or more of the cutters slip off and roll away, never to be found. Also, because of the fact that the cutters are separate from the tool, the whole string of cutters is sometimes left behind in the hurry of the moment. This invention does away with this trouble and the expense incident to the loss of cutters, by so combining a cutter-holder with the dressing-tool that it is part and parcel thereof, and will consequently be taken wherever the tool is carried.

The invention consists in the construction and combination of parts, to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a side view of my device; Fig. 2 is a longitudinal section through the center thereof; Fig. 3 is a view looking into the interior of the cutter-holder; and Fig. 4 is a view, partly in section, showing a modified form of combined seat-dresser and cutter-holder.

Referring more particularly to the separate parts of the device, 1 indicates the shank of the seat-dressing tool, to which is secured in any suitable manner, as by means of screw-threads, at one end thereof, a handle 2, having a knurled surface 3, whereby it may be more easily rotated. At the other

end of the shank 1, there is provided a reduced portion 4, screw-threaded on its exterior surface, whereby it is adapted to receive one of a plurality of cutters 5. These cutters 5 are of various shapes and forms, and are adapted to be changed so that the workman may have a cutter on the tool suitable for the work which he has to do. Threaded onto the shank 1, there is provided a suitable guide 6, which is cylindrical in shape for a portion of its length, and then in the form of a cone for the remainder of its length. The interior of the conical portion of the guide 6 is screw-threaded so that it may be adjusted to the threads found on valves of various sizes, and secured thereto.

In the form shown in Figs. 1 and 2, there is provided a receptacle or holder 7, which in this case is preferably integral with the guide 6, and has an opening through the center, whereby it is threaded on the shank 1, together with the guide 6. There is also provided a suitable cover 8 having a central opening, which may also be threaded onto the shank 1, and is secured to the receptacle 7 by any suitable means, such as screw-threads 9. In the lower portion of the receptacle, near the point of its junction with the guide 6, there are provided a plurality of openings 10, which are adapted to permit any liquid which may accumulate in the receptacle to drain out.

In the form shown in Fig. 4, the receptacle 7 is preferably separate from the guide 6, but has also, together with its cover 8, a central opening whereby it may be threaded onto the shaft 1.

It will readily be seen from the above description that this tool provides a convenient and acceptable manner of always having a plurality of cutters with the dressing-tool, which may be readily attached to and detached from the dressing-tool and stored in the receptacle. There is thus no danger of losing the cutters, and the dressing-tool has been so modified as to combine therewith a suitable receptacle, which alters its structure somewhat, but co-acts therewith to obtain a definite result.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. A tool having a centering and clamping member provided with a central sleeve-like portion and with an enlarged tubular extension surrounding the sleeve-like por-

tion and having its outer end closed by a removable cover, said extension forming a receptacle and a hand-hold.

2. A tool having a centering and clamping member provided with a sleeve-like portion projecting rearwardly therefrom and with an integral enlarged tubular portion surrounding the sleeve-like portion and terminating short of the end thereof, and a removable cover apertured to receive the sleeve-like portion and removably secured

upon the tubular portion, said tubular portion and cover forming a receptacle and a hand-hold.

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

WILLIAM KAISER.

Witnesses:

RAYMOND BRODHEAD,
WILLIAM T. MILLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."