No. 817,528. PATENTED APR. 10, 1906.

L. A. SHERMAN.

TOOL FOR TRUING EMERY WHEELS.

APPLICATION FILED NOV. 16, 1905.

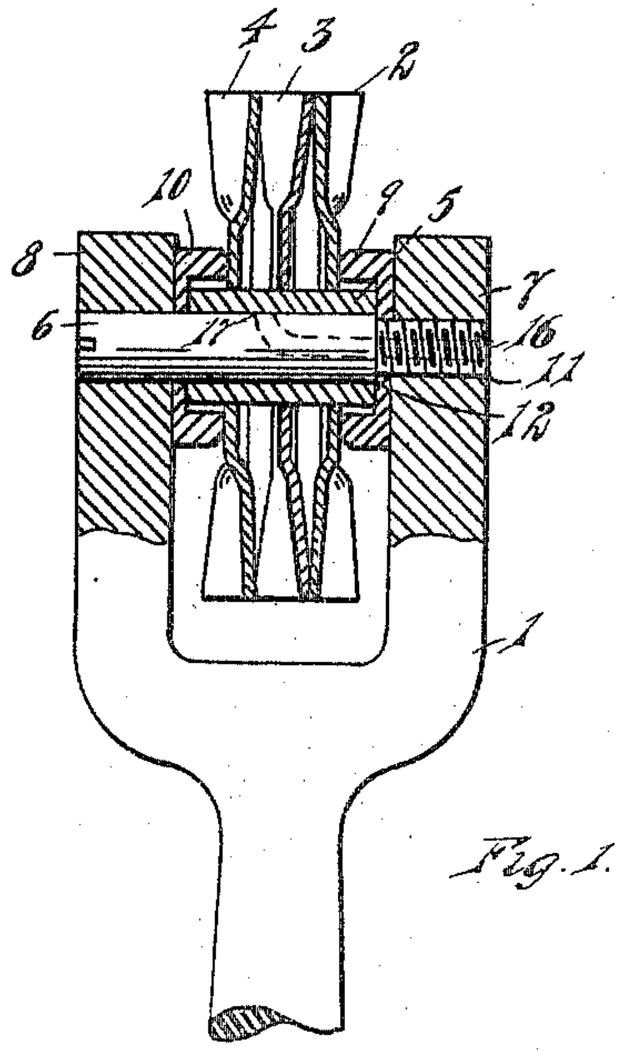

Fig. 1.

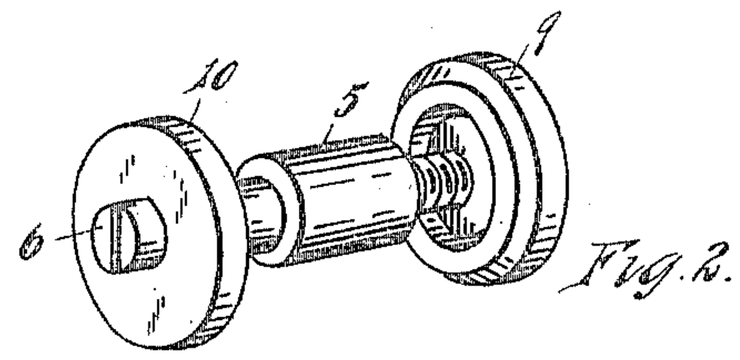

Fig. 2.

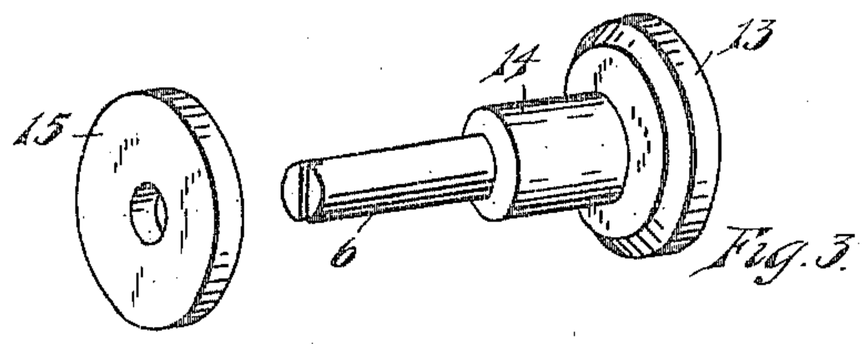

Fig. 3.

WITNESSES

C. E. Day

R. C. Jennings

INVENTOR

Louis A. Sherman.

By Parker & Burton.

Attorneys.

UNITED STATES PATENT OFFICE.

LOUIS A. SHERMAN, OF DETROIT, MICHIGAN.

TOOL FOR TRUING EMERY-WHEELS.

No. 817,528. Specification of Letters Patent. Patented April 10, 1906.

Application filed November 16, 1905. Serial No. 287,557.

To all whom it may concern:

Be it known that I, LOUIS A. SHERMAN, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Tools for Truing Up Emery-Wheels; and I 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 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to tools for truing up emery-wheels.

It has for its object an improved mounting for the corrugated steel disks employed in emery-wheel-truing devices.

In the drawings, Figure 1 shows a truing device containing the invention. This figure is partly in section. Fig. 2 is a perspective showing the washers and bushing, which embodies the wood part of the invention. Fig. 3 shows one washer integral with the bushing.

1 indicates the handle of an emery-wheel-truing device.

2, 3, and 4 show corrugated steel disks which perform the truing work. These disks are mounted on a bushing 5, which is itself mounted on an arbor 6, held in a forked handle. At each end of the bushing and within the forks 7 and 8 of the handle are concave washers 9 and 10. The arbor 6 is screw-threaded at one end and engages in a screw-threaded socket 11 in one fork of the handle. The washers 9 and 10 and the bushing 5 are held in place by the arbor. The arbor 6 is provided with a shoulder 12, which engages against the inner face of the washer 9, and the washer 9 is held firmly and rigidly against the fork 7 of the handle by the shoulder and the screw.

Each of the washers is provided with a flange which overhangs the end of the arbor and prevents any possible engagement of the body part of the disk in the joint between the washer and the arbor, as with whatever force the tool may be held to its work it cannot sufficiently spring either fork to open the joint at this point.

In Fig. 3 the washer 13 is made integral with the bushing 14. The washer 15 is similar to washer 9.

The arbor 6 is provided with a bore that extends from the end 16 inward and opens at the side of the arbor through openings 17, and oil is introduced between the bushing and the arbor through this hole.

What I claim is—

In a truing-tool of the class described, in combination with a handle terminating in a forked portion, an arbor extending through the forked portions, a bushing journaled on the center portion of said arbor, its length being less than the distance between said forked portions, abrading-disks carried by said bushing and with it rotatable with respect to said arbor, and washers encircling said arbor at each end of the bushing, said washers having flanged portions engaging over the end of the bushing and against the outer of the disk members, and also being rotatable independently of said forked portions, bushing, and disks, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

LOUIS A. SHERMAN.

Witnesses:

CHARLES F. BURTON

MAY E. KOTT.