

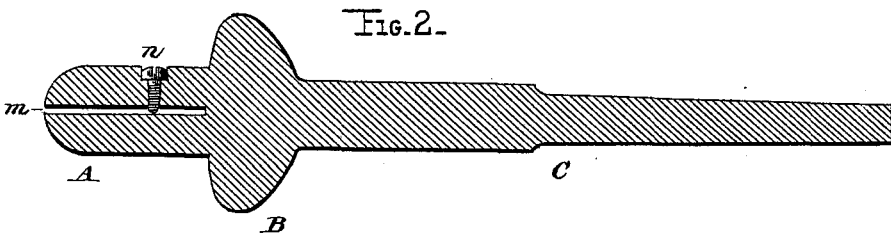
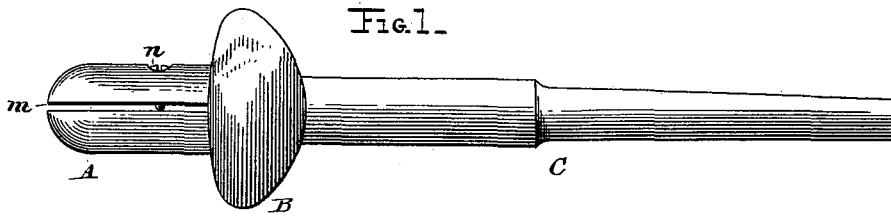
(No Model.)

W. M. SEEGER.

LATHE TOOL FOR FINISHING AND POLISHING.

No. 394,406.

Patented Dec. 11, 1888.



Witnesses:
Chas. Wilson.
Jas. T. Ford.

Inventor:
William M. Seeger.
by Beattie & Noble, Attys.

UNITED STATES PATENT OFFICE.

WILLIAM M. SEEGER, OF LOUISVILLE, KENTUCKY.

LATHE-TOOL FOR FINISHING AND POLISHING.

SPECIFICATION forming part of Letters Patent No. 394,406, dated December 11, 1888.

Application filed February 17, 1888. Serial No. 264,418. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. SEEGER, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Lathe-Tools for Finishing and Polishing; and I do hereby 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.

My invention relates to new and useful improvements in lathe-tools for finishing and polishing; and it consists, substantially, of a tool with a slotted head, into which strips of abrading material—such as sand or emery paper—may be speedily and easily fastened.

In the accompanying drawings, Figure 1 is a perspective view of my improvement. Fig. 2 is a vertical longitudinal section of the same.

In the different figures like letters indicate like parts.

A is the tool-head, the end of which is rounding and contains the slot *m*, in which the end of the strip of abrading material is fastened by the screw *n* when driven against it. The screw *n* is countersunk, so that when driven in its head is flush with the surface of the head A.

B is a shoulder, against which rests one edge of the abrading material, which, when in use, is wrapped around the head A.

C is the spindle of the tool, and is of convenient size and shape to fit a lathe-chuck.

In practice the end of a strip of abrading material long enough to go about twice around the head A and of a sufficient width to have one edge resting against the shoulder B, while the other edge projects sufficiently beyond the rounding end of the head A to cover it when pressed against it, is passed into the slot *m* and fastened by driving the screw *n* firmly against it. The spindle C is then fastened in the chuck of a lathe and the tool rapidly revolved. The effect of this is, when

the head of the tool is placed against the thing to be polished, to wrap the strip of abrading material around the head, the inner edge resting against the shoulder B, and thus being held in position, while the outer edge of the strip adapts itself to the rounding portion of the head and accommodates itself to the surface of the thing to be polished, so as to readily and accurately reach every part of it. It facilitates the operation to hold the inner edge of the strip adjacent to the shoulder to the head A, as by pressing against it, and for this purpose I prefer to use a narrow rubber band next the shoulder.

This tool is especially adapted to finishing and polishing rubber plates for artificial teeth, and it is obvious it may be made of various sizes, according to the work to be done, and may be used for finishing and polishing other things besides such plates.

Among the advantages of my invention are the great saving in time in the finishing and polishing processes, the ready renewal and change of the abrading material, and the fact that by the use of my improved tool every part of the surface to be polished can be easily and accurately reached.

Having thus fully described my improved tool, what I claim as new and of my invention, and desire to secure by Letters Patent, is—

1. A lathe-tool consisting of the head A, containing a slot, *m*, and a screw, *n*, the shoulder B, and the spindle C, substantially as and for the purpose set forth.

2. A lathe-tool provided with a rounding head slotted to receive the end of the abrading-strip, and a set-screw for holding the end of the strip within said slot, substantially as described.

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

WILLIAM M. SEEGER.

Witnesses:

ANON ELLISON,
MICAHAH FIBLE.