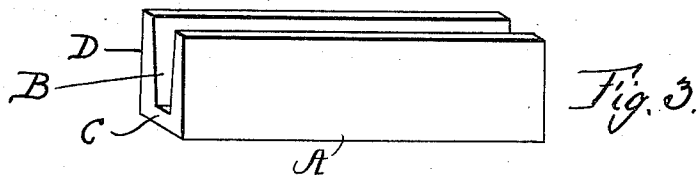
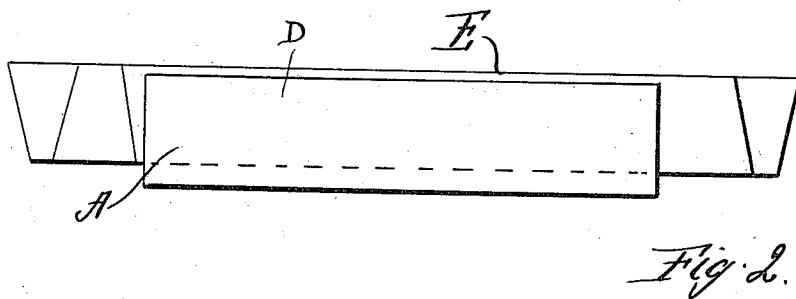
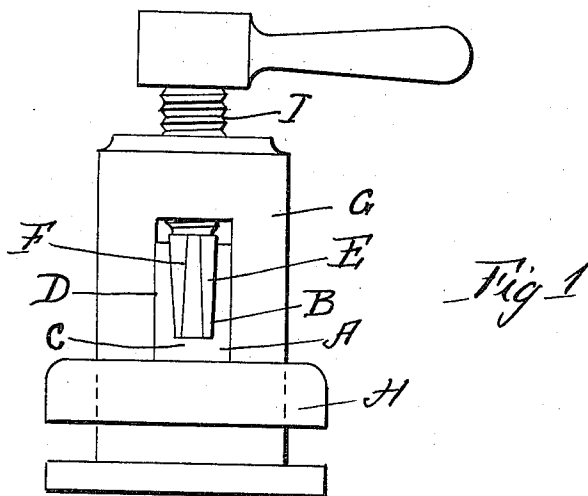


J. G. BAKER.
LATHE TOOL HOLDER.
APPLICATION FILED MAR. 24, 1911.

1,011,144.

Patented Dec. 12, 1911.



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JOSEPH G. BAKER, OF VINELAND, NEW JERSEY.

LATHE TOOL-HOLDER.

1,011,144.

Specification of Letters Patent.

Patented Dec. 12, 1911.

Application filed March 24, 1911. Serial No. 616,648.

To all whom it may concern:

Be it known that I, JOSEPH G. BAKER, a citizen of the United States, residing at Vineland, in the county of Cumberland and State of New Jersey, have invented a certain new and useful Improvement in Lathe Tool-Holders, of which the following is a specification.

My invention relates to new and useful improvements in lathe tool holders and tools therefor, and has for its object to provide devices of this character which will be inexpensive in the cost of manufacture and very simple and durable, the holder being adapted for the reception of cut off tools, said tools being firmly held in the holder by being clamped in the ordinary tool post. The screw of the post when tightened, firmly securing the tools and the holder within the tool post, making it as firm as a forged tool and prevents lateral movement.

In accomplishing the above named objects, each of the tools are made wedge shaped in cross section, and there being three in the set, one of them will lie in one direction and the other two in an inverted position, so that when they are clamped in place in the holder, they will wedge together therein.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1, is an end view of my improved tool holder, showing the same in place in a tool post with the tools in the former.

Fig. 2, a side elevation of the holder and tools, and Fig. 3, a perspective view of the holder.

In carrying out my invention as here embodied, A represents the tool holder having a longitudinal groove B formed therein, being open at both ends, thus producing a bottom wall C and parallel side walls D, their inner faces converging inward to correspond with the faces of the tools.

E denotes the tools which are cutting off

tools. These tools are beveled laterally as at F so that when the tools are placed in the holder, two of them are wedged in the inverted direction.

The tool holder is placed in the receiver G of the tool post H, and when the screw I is threaded down, its lower end will rest upon one edge of the tools, wedging them against one another thus firmly fastening them in place. These tools are not used all at once or in a gang, but each one is used separately by sliding the one to be used ahead of the others.

As here shown, the tools are of sufficient width to prevent their edges alining when in the tool holder, and when the screw I of the tool post is threaded down against the tools, it will rest upon said tools without coming in contact with the tool holder, causing said tools to be firmly wedged against the side walls as well as the bottom of the tool post holder, making the tool which is being used just as firm as a forged tool. The length of the tool holder being nearly the same length as the tools, when said tools are in place they will be very rigid, thus preventing them from weaving or springing and turning out a better and more perfect class of work without the liability of breaking the tool.

In practice, the tool holder may be used in the position shown in Fig. 1, or it may be inverted so that the edges of the tools will rest upon the bottom wall of the tool post, the screw I resting upon the bottom wall C of the tool holder and will do exactly the same work.

Of course I do not wish to be limited to the exact details of construction as here shown, as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful, is—

1. In combination, a tool holder having a longitudinal groove therein, open at both ends producing a bottom wall and two parallel side walls and three wedge shaped tools adapted to enter said groove and fill the space between the side walls.

2. In combination, a tool holder having a longitudinal groove therein, open at both ends producing a bottom wall and two parallel side walls and three tools, the sides of which are beveled laterally, said tools

adapted to fill the space between the side walls of the tool holder, the tool to be used extending beyond the others at one end.

3. In combination, a tool holder having a
5 longitudinal groove therein, open at both ends producing a bottom wall and two parallel side walls, and three tools, the faces of which are beveled laterally, one of said tools being placed in the holder in an inverted
10 position to the other two thus wedging themselves together within the groove and

filling the space between the side walls, the tool being used extending beyond one end of the other tools.

In testimony whereof, I have hereunto 15
affixed my signature in the presence of two subscribing witnesses.

JOSEPH G. BAKER.

Witnesses:

EDW. W. AUSTIN,
M. E. YOST.

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