

Sept. 23, 1924.

1,509,792

K. STUDINKA

TOOL HOLDER

Original Filed Nov. 19, 1921

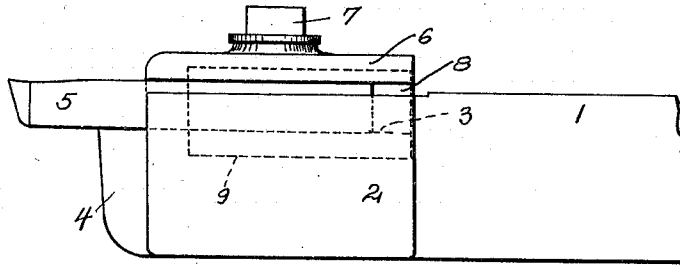


FIG. 1.

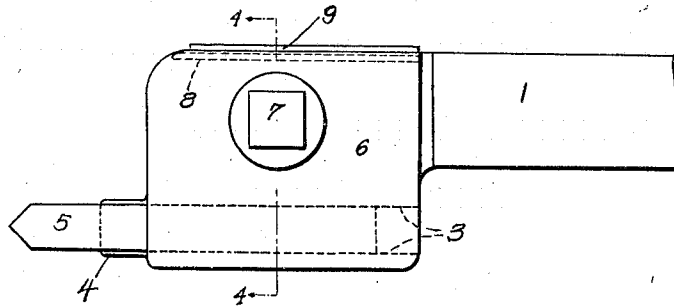


FIG. 2.

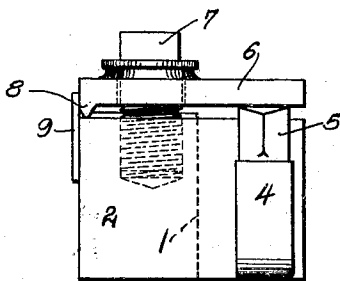


FIG. 3.

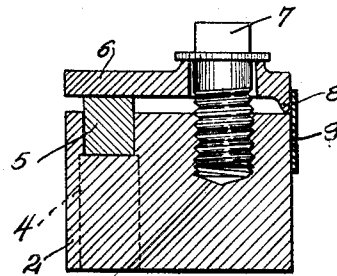


FIG. 4.

WITNESS:

K. Studinka, INVENTOR
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UNITED STATES PATENT OFFICE.

KARL STUDINKA, OF DONORA, PENNSYLVANIA.

TOOL HOLDER.

Application filed November 19, 1921, Serial No. 516,413. Renewed February 18, 1924.

To all whom it may concern:

Be it known that I, KARL STUDINKA, a citizen of the United States, residing at Donora, in the county of Washington and State of Pennsylvania, have invented new and useful Improvements in Tool Holders, of which the following is a specification.

This invention relates to holding devices, and more particularly to a tool holder for use in connection with lathes and similar machines.

One of the main objects of the invention is to provide a holder which will accommodate tools of different lengths. A further object is to provide simple and efficient means for bracing the tool. Further objects will appear from the detailed description.

In the drawings:—

Figure 1 is a side view of the holder;

Figure 2 is a top plan view;

Figure 3 is a front view;

Figure 4 is a section taken substantially on line 4—4 of Figure 2.

The holder includes a body 1 provided at its forward end with a head 2 which projects a considerable distance to one side of the body. This head is provided in its upper face, and adjacent to one side thereof, with a groove 3 disposed parallel with body 1. The head is further provided, at its forward end, with a block or boss 4 the upper face of which forms a continuation of the bottom of groove 3. This groove is adapted to receive a tool 5 which is secured in position by a clamping plate 6 through which passes a securing screw 7 which is threaded into head 2. Plate 6 is provided

at the side thereof remote from tool 5 with a depending V-shaped rib 8 which bears upon the upper face of head 2 so as to provide a fulcrum upon which plate 6 rocks when forced into gripping contact with tool 5. A retaining plate 9 is secured to the side of head 2 and projects above the head adjacent to rib 8, this plate serving to prevent lateral displacement of the clamping plate. By means of plate 6 and screw 7 the tool 5 can be effectively gripped so as to prevent any displacement of the tool when in use, the boss 4 serving to brace the tool against downward pressure. By having groove 3 parallel with body 1 the holder is adapted to receive tools of comparatively great length and can, therefore, accommodate varying lengths of tools.

What I claim is:—

A tool holder of the character described comprising a body portion, a head formed on one end of the body portion and being provided with a laterally offset longitudinally disposed tool receiving groove, a boss formed on said head at the forward end thereof and providing a continuation for the bottom of the groove, a clamping plate adjustably secured to the head and being adapted to hold said tool operatively positioned in the groove and a substantially V-shaped rib depending from one end of the plate to provide a fulcrum upon which the plate rocks as and for the purpose specified.

In testimony whereof I affix my signature.

KARL STUDINKA.