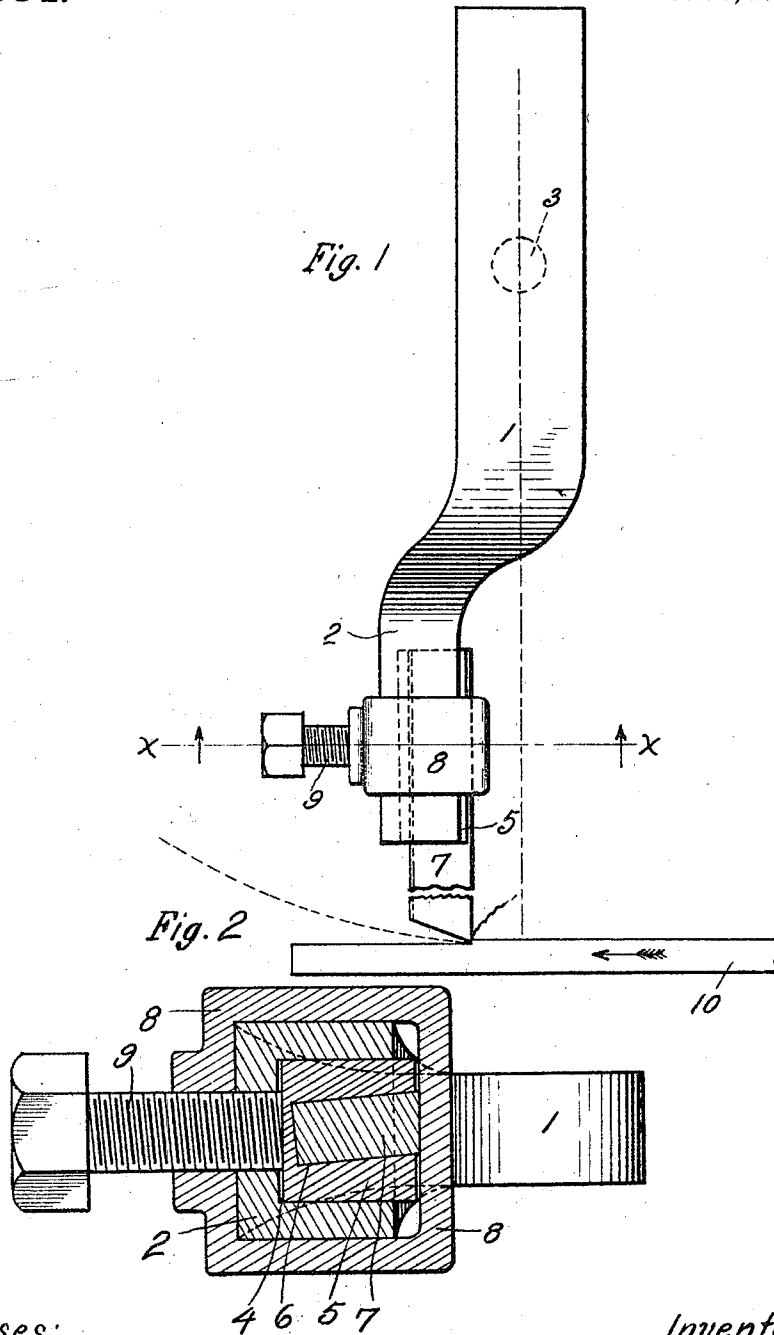


O. E. WELLS & E. CHAURETTE.
 E. M. WELLS, ADMINISTRATRIX OF O. E. WELLS, DEC'D.
 PLANING MACHINE.
 APPLICATION FILED SEPT. 12, 1910.

1,004,834.

Patented Oct. 3, 1911.



Witnesses:
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 B. G. Richards

Inventors:
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UNITED STATES PATENT OFFICE.

OCTAVIUS E. WELLS AND EDMOND CHAURETTE, OF CHICAGO, ILLINOIS; SAID CHAURETTE ASSIGNOR TO SAID WELLS; ELNORA M. WELLS ADMINISTRATRIX OF SAID OCTAVIUS E. WELLS, DECEASED.

PLANING-MACHINE.

1,004,834.

Specification of Letters Patent.

Patented Oct. 3, 1911.

Application filed September 12, 1910. Serial No. 581,502.

To all whom it may concern:

Be it known that we, OCTAVIUS E. WELLS and EDMOND CHAURETTE, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Planing-Machines, of which the following is a specification.

Our invention relates to improvements in planing machines and has for its object the provision of a planing machine of improved construction and operation.

A further object is the provision of an improved tool holder for planing machines and the like.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification, and in which,

Figure 1 is a side elevation of a tool holder embodying our invention, and Fig. 2 is an enlarged section on line $x-x$ of Fig. 1.

The preferred form of construction as illustrated in the accompanying drawing comprises a supporting bar 1 having a rearwardly bent lower end 2. This bar is designed to be secured in the machine in the usual manner and pivoted to swing from contact with the work during the inoperative movement of the machine. The location of this pivot is indicated by the dotted circle 3 in Fig. 1 and lies in the vertical plane indicated by the broken line on said figure. The lower end 2 of bar 1 is provided with a recess 4 into which is fitted a tool block 5 having a rearwardly inclined tool receiving recess 6 therein. A rectangular tool 7 is secured in said recess. Tool 7 projects slightly from recess 6 and is embraced by a yoke 8 carrying a set-screw 9 contacting with the rear of block 5 and by means of which said tool may be readily clamped in the tool holder.

It will be observed that the pivotal point of the tool holder lies in front of the cutting

edge of the tool so that when the work 10 is applied to said tool any yielding of the tool holder due to the strain of the cut will cause the tool to rise from the work, thus preventing a deeper cut or gouge in the work. By mounting the tool 7 in a rearwardly inclined position permanent cutting draft or bevel is provided for one side of the tool, thus obviating the necessity of grinding that side of the tool.

While we have illustrated and described the preferred form of construction for carrying our invention into effect this is capable of variation or modification without departing from the spirit of the invention. We, therefore, do not wish to be limited to the exact details of construction set forth but desire to avail ourselves of such variations and modifications as fairly fall within the scope of the appended claims.

Having described our invention what we claim as new and desire to secure by Letters Patent is:

1. A tool holder for planing machines pivoted therein and having its lower end bent rearwardly; and a tool mounted in said tool holder with its cutting edge behind the plane of the tool holder pivot, substantially as described.

2. In a tool holder the combination of a supporting bar having a recess therein; a tool block fitting said recess and provided with a tool receiving recess; a tool in said tool receiving recess and projecting slightly therefrom; a yoke embracing said bar and resting against the projecting side of said tool; and a set-screw threaded in said yoke and bearing against said block on the side opposite to that from which said tool protrudes, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

OCTAVIUS E. WELLS.
EDMOND CHAURETTE.

Witnesses:

HELEN F. LILLIS,
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