No. 752,863. PATENTED FEB. 23, 1904.

O. P. ROBERGE & J. J. BRABANT.

TOOL HOLDER.

APPLICATION FILED APR. 9, 1903.

NO MODEL.

Fig. 1.

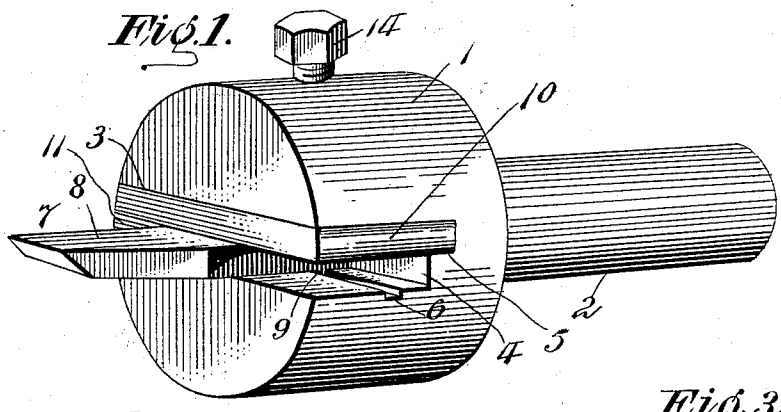



Fig. 2.

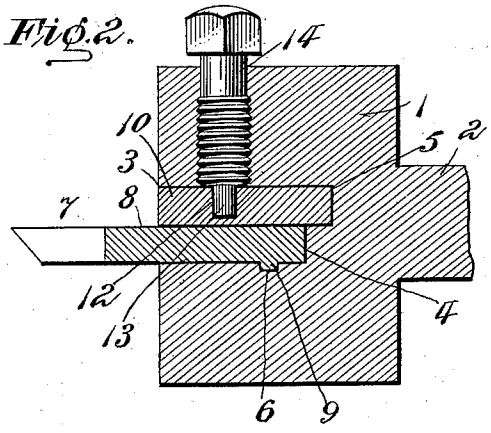



Fig. 3.

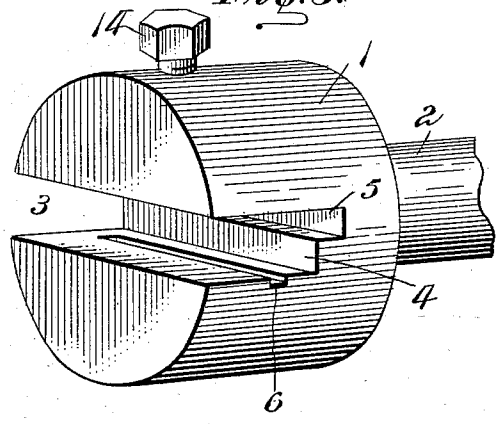



Fig. 4.

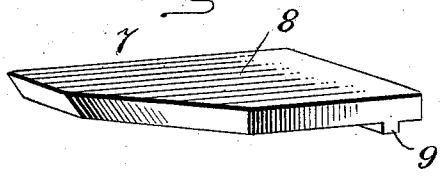
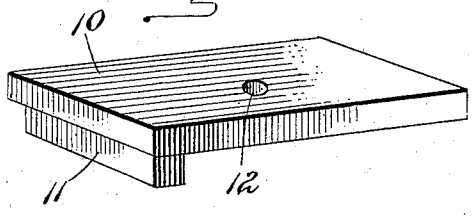



Fig. 5.




Witnesses
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No. 752,863. Patented February 23, 1904.

# UNITED STATES PATENT OFFICE.

OSCAR P. ROBERGE AND JULIUS J. BRABANT, OF LA CROSSE, WISCONSIN.

## TOOL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 752,863, dated February 23, 1904.

Application filed April 9, 1903. Serial No. 151,799. (No model.)

*To all whom it may concern:*

Be it known that we, OSCAR P. ROBERGE and JULIUS J. BRABANT, citizens of the United States, residing at La Crosse, in the county of La Crosse and State of Wisconsin, have invented certain new and useful Improvements in Tool-Holders; and we do 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.

This invention relates to chucks or tool-holders; and its object is to provide a tool-holder which is simple of construction and adapted to hold one or more knives or other tools securely against casual movement or displacement.

With this object in view the invention consists in certain novel features of construction, combination, and arrangement of parts, which will be hereinafter fully described, and particularly defined in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of a tool-holder embodying our invention. Fig. 2 is a section through the same on the line of the adjusting-screw. Fig. 3 is a perspective view of the tool or chuck head with the tool and clamp removed therefrom, and Figs. 4 and 5 are perspective views of the tool and tool-clamp.

Referring now more particularly to the drawings, the numeral 1 represents a chuck or tool head provided with a stem 2 for attachment to a lathe or screw machine and having a transverse slot 3 extending completely across the same and through an opening through the face thereof. The base or inner end of the slot is formed on one side of its center with a tool-supporting shoulder 4 and at the other side of its center with a longitudinal clamp-receiving groove or recess 5. The side wall of the groove contiguous to the shoulder 4 is provided with a longitudinal groove 6, opening through one side of the tool-head and terminating adjacent to the opposite side thereof.

A tool 7, shown in the present instance in the form of a knife, is provided with a flat shank 8 and is adapted to occupy one side of the slot and to rest at its inner end upon the said shoulder 4. It is provided on one side with a tongue 9, adapted to fit within the groove 6 and hold the tool against outward movement in a direction away from the stem 2 and through the face of the head 1. The tool is fitted in position by sliding it longitudinally into the slot from the entrance end thereof, through which the groove 6 opens, and is limited in its movement by the end wall of the groove which gages its working position. Disposed alongside the tool within the slot is a clamp 10, consisting of a flat plate of a width or depth greater than the shank of the tool and adapted to be received at its inner edge within the recess 5 and to be limited in its movement toward the tool by the shoulder 4, which prevents the clamp from exerting excess pressure on the shank of the tool. At one end the clamp is provided with a laterally-projecting stop-shoulder 11, which when the clamp is applied is adapted to close the end of the slot in rear of the shank of the knife and to supplement the end wall of the groove in gaging the position of the knife and preventing the same from sliding out of the contiguous end of the slot. An opening 12 is formed in the clamp to receive the reduced smooth-surfaced end 13 of a screw 14, adjustably mounted in the head, so that when turned up it will force the clamp toward the tool and press said tool against the opposite side wall of the slot, thus holding the tongue securely in the groove 6 and clamping the tool firmly in position. When it is desired to remove the tool, the screw is retracted, thus removing the pressure of the clamp from the tool, and then the latter may be slid out of the slot in a manner readily understood.

It will be seen that by means of our construction one or more tools may be securely clamped in the slot of the head and readily removed therefrom when occasion requires and that the construction of the clamp is simple and inexpensive and adapted to retain the tool or tools securely against casual outward movement or displacement.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of our invention will be readily ap-

parent, it is thought, without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention.

Having thus described our invention, what we claim, and desire to protect by Letters Patent, is—

1. In a chuck or tool-holder, the combination of a head having a transverse slot formed in one of its side walls with a groove adapted to receive a tongue projecting from a tool, a clamp adapted to fit within the slot and provided at one end with a lateral stop to limit the sliding movement of the tool in one direction, and means for actuating the clamp, substantially as described.

2. In a chuck or tool-holder, the combination of a head having a transverse slot and a tool-bearing shoulder and a recess, and contiguous to the shoulder a longitudinal groove adapted to receive a tongue projecting from a tool, a clamp fitting in the slot and its recess and having at one end a lateral stop-shoulder to limit the sliding movement of the tool in one direction, and means for actuating the clamp, substantially as described.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

OSCAR P. ROBERGE.
JULIUS J. BRABANT.

Witnesses:
G. L. CASTER,
W. R. GIESMANN.