

No. 838,730.

PATENTED DEC. 18, 1906.

N. M. MacLEOD.
GUARD FOR REVOLUBLE CUTTERS.
APPLICATION FILED JUNE 4, 1906.

Fig. 1

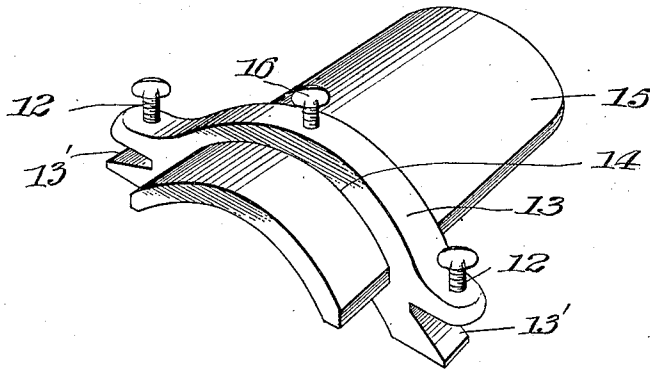


Fig. 2

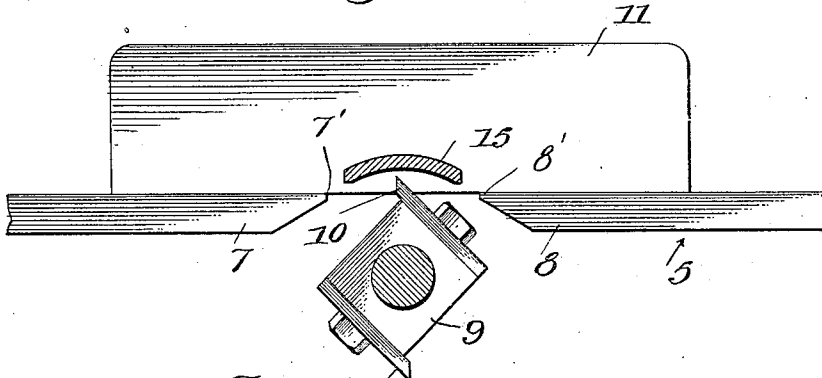
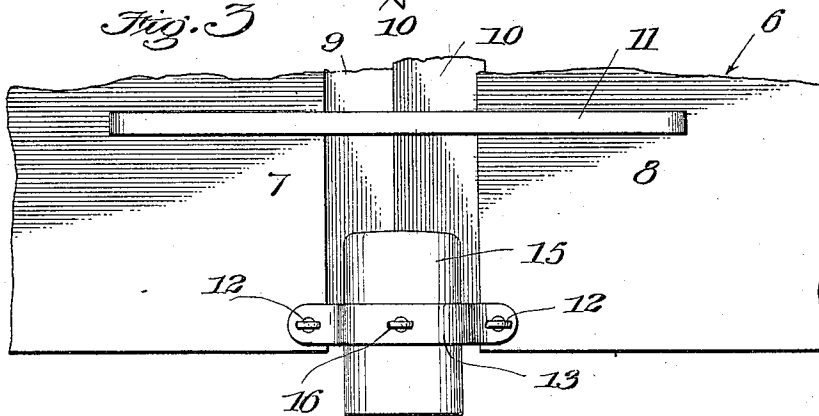


Fig. 3



Witnesses
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GUARD FOR REVOLUBLE CUTTERS.

No. 838,730.

Specification of Letters Patent.

Patented Dec. 18, 1906.

Application filed June 4, 1906. Serial No. 320,220.

To all whom it may concern:

Be it known that I, NORMAN M. MACLEOD, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Guards for Revoluble Cutters, of which the following is a specification.

Frequently when an operator is engaged in planing the under side of a board which is of less width than the cylinder which carries the cutters it often happens that in guiding the work across the table the fingers or other portions of the hand come in contact with the revolving cutters, thereby resulting in serious injury. With my improved guard it is impossible for him to get any portion of his hand caught by the cutters.

My invention relates to guards for revolving cutters; and an object thereof is to provide a guard which will prevent an operator from accidentally getting his fingers caught by the cutter.

A further object is to provide a guard that is adjustable to the different widths of boards that are being operated upon.

I accomplish these objects by the device described herein and illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of my improved guard. Fig. 2 is a side elevation of a planer-table with the guard in place thereon in section. Fig. 3 is a fragmentary plan of the planing-table with my improved guard in place thereon.

Referring to the drawings, 5 indicates a portion of an ordinary buzz-planer, whose table 6 is divided into two sections 7 and 8. Between these sections and mounted in suitable bearings (not shown) is a cylinder 9, which carries the cutters 10. Suitably

mounted at one side of the table is an adjustable guide 11, which serves to guide the material that is being planed. Adjustably secured, by means of set-screws 12, to the sections 7 and 8 of the planer-table is an adjustable bearing 13, which has on opposite ends grooves 13', which are adapted to engage tongues 7' and 8' on the table-sections, and a transverse curved slot 14, in which is mounted a movable curved guard-blade 15. The position of this blade is controlled by a thumb-screw 16.

When it is desired to plane a board of a predetermined width, the blade 15 is set so that it projects over the revolving cutters and covers them, with the exception of the width of the board that is being operated upon. It will be readily seen that in guiding a board over the cutters it will be impossible for either of the hands to come in contact with the cutters or be injured thereby.

Having described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

In a device of the class described, a planer-table having an opening therein; a bracket secured to said table, said bracket having a slot extending therethrough and having notched ends adapted to engage the edges of the table at the opening therein; means for adjustably securing said bracket to said planer-table edges; in combination with a guard-blade adjustable through said slot in said bracket.

In witness that I claim the foregoing I have hereunto subscribed my name this 24th day of May, 1906.

NORMAN M. MACLEOD.

Witnesses:

EDMUND A. STRAUSE,
G. E. HARPHAM.