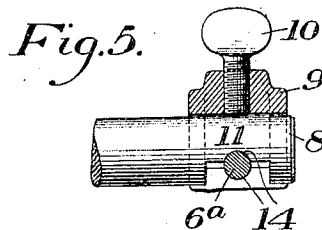
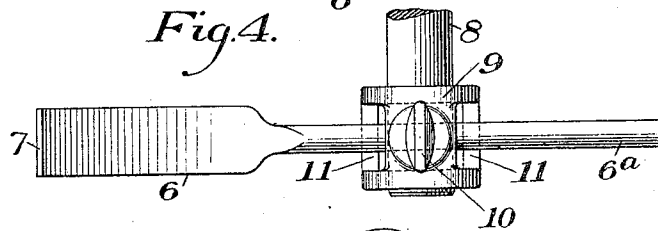
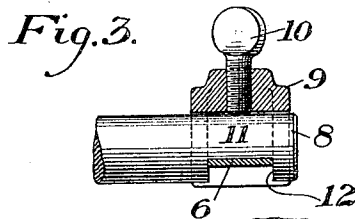
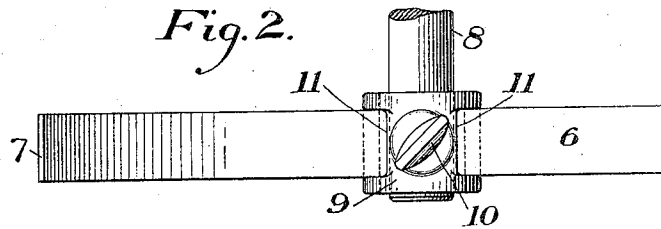
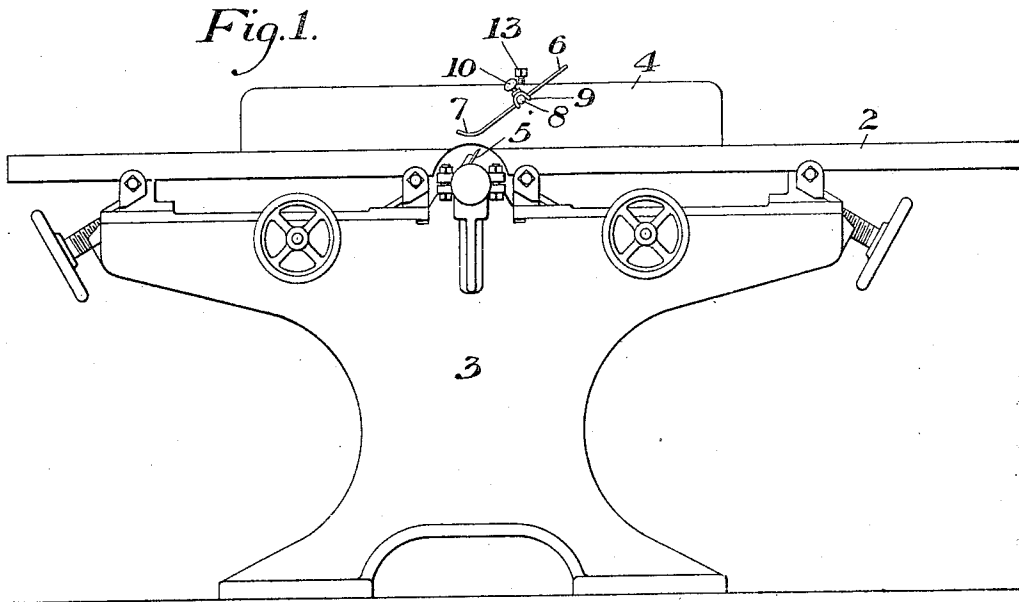


C. G. WILDERSON.
 PRESSURE DEVICE FOR WOODWORKING MACHINES.
 APPLICATION FILED SEPT. 29, 1906.

942,804.

Patented Dec. 7, 1909.



WITNESSES

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UNITED STATES PATENT OFFICE.

CLINTON G. WILDERSON, OF LEETONIA, OHIO, ASSIGNOR TO THE CRESCENT MACHINE COMPANY, OF LEETONIA, OHIO, A CORPORATION OF OHIO.

PRESSURE DEVICE FOR WOODWORKING-MACHINES.

942,804.

Specification of Letters Patent.

Patented Dec. 7, 1909.

Application filed September 29, 1906. Serial No. 336,683.

To all whom it may concern:

Be it known that I, CLINTON G. WILDERSON, of Leetonia, Columbiana county, Ohio, have invented a new and useful Pressure

5 Device for Woodworking-Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

10 Figure 1 is a side elevation showing my invention applied to a wood working machine; Fig. 2 is a plan view of the pressure device removed and partially broken away; Fig. 3 is a detail view of the same; and Figs.

15 4 and 5 are detail views showing a modification.

The invention is designed to provide a simple and efficient device which can be readily applied to various kinds of wood

20 working machines for the purpose of holding the work against a table or guiding surface along which it is fed to the tool, being particularly applicable to planers, molders, jointers, shapers, etc.

25 With this object in view, the invention consists in the novel construction, arrangement and combination of parts, all substantially as hereinafter described and pointed out in the appended claim.

30 In the drawings, the numeral 2 designates the bed or table of a wood working machine, 3 the frame thereof, and 4 a side guide.

5 indicates a planing or other tool.

6 is a flat spring having its free end portion turned upwardly as at 7 for the purpose of forming a foot to bear upon the work as it is fed to the tool. The shank of this spring is secured to a stud or shaft 8 by means of a clip 9 and set screw 10. The clip

40 9 is of U-shape to embrace the end of the stud or shaft 8 and is formed with the slots 11 through which the shank of the spring is inserted, the shaft 8 being cut away at 12 to receive said shank. When the set screw 10

45 is tightened, the shank of the spring is securely clamped between the lower walls of the slots 11 to the under face of the cut-away portion 12 of the shaft 8. The shaft 8 is rotatably supported in a bearing in the guide

50 4, and is secured therein by means of the screw 13.

In the modification shown in Figs. 4 and 5, the spring 6 is shown as having a cylindrical shank 6^a, and the bottom walls of the slots 11 and the wall of the recess 12 are 55 formed with concave seats 14 to receive said shank. The screw 13, which secures the stud or shaft 8 in the side-guide 4 may be loosened and the shaft rotated to adjust the spring to work of different thicknesses. 60 When the modification shown in Figs. 4 and 5 is employed, the set screw 10 may be loosened and the shank 6^a rotated to turn the spring to any desired angle to suit the character of the particular work in hand. 65

The device described forms a very simple and efficient means for the purpose, and one which is capable of being readily applied to existing machines, and quickly adjusted to suit work of various kinds. 70

Various changes may be made in the details of construction and arrangement without departing from my invention. Thus the shaft or stud 8 may be supported vertically instead of horizontally, so that the spring 75 will bear against one edge of the piece of work and hold it against the side guide instead of bearing upon its upper surface and holding it against a table.

What I claim is:— 80

A pressure device for wood working machines, comprising a pressure spring having a shank mounted on a rotatably and longitudinally adjustable support, a set screw for retaining the support in its adjusted position, a recess in said support adapted to receive the shank and the spring, a clamp having a pair of arms which embraces the support, said arms having slots to receive the shank of the spring, said shank of the spring 85 securing the clamp from rotary and endwise movement on the support, and a screw to secure the shank of the spring between the support and clamp; substantially as described. 90 95

In testimony whereof, I have hereunto set my hand.

CLINTON G. WILDERSON.

Witnesses:

JOHN B. MORGAN,
A. F. RAUCH.