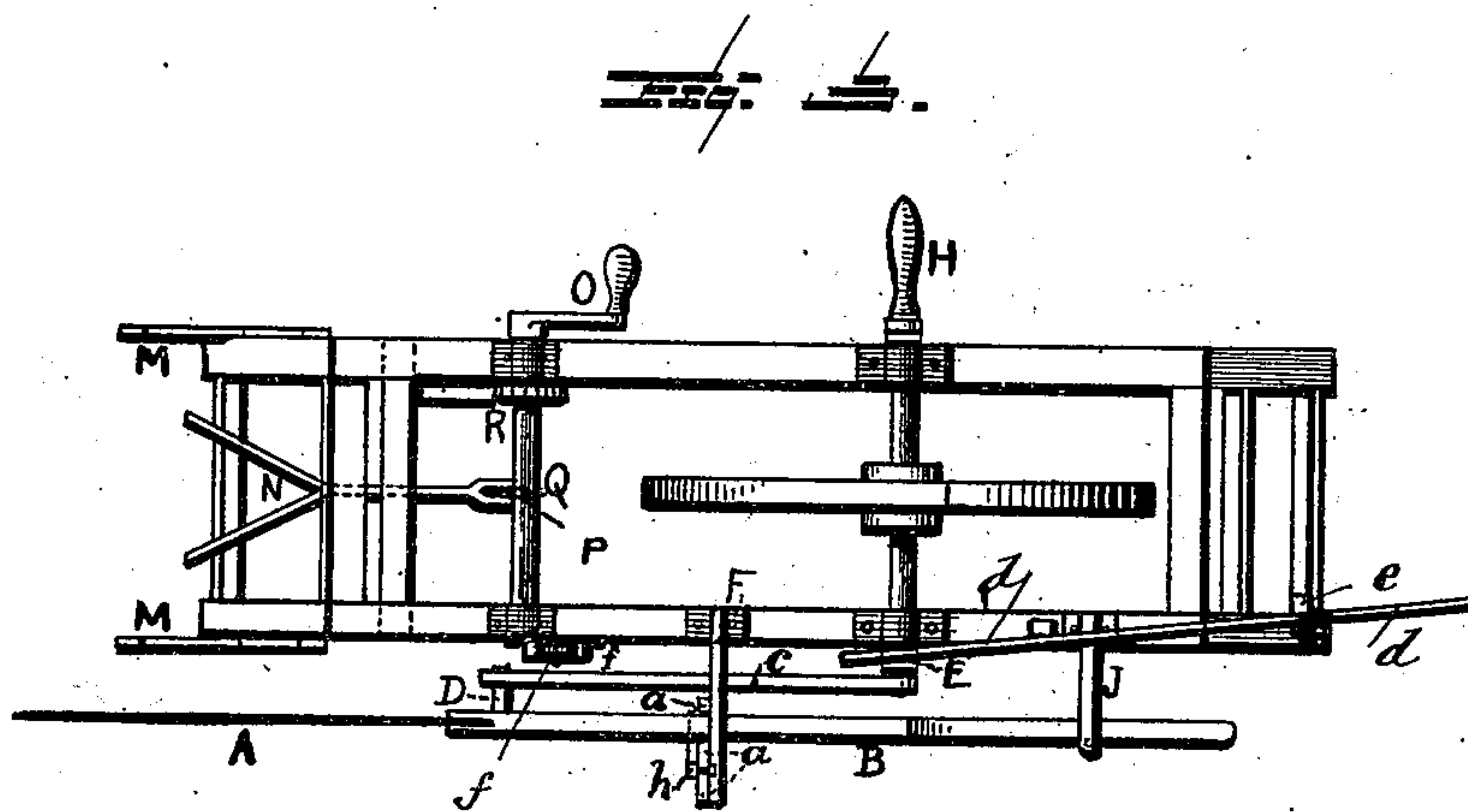
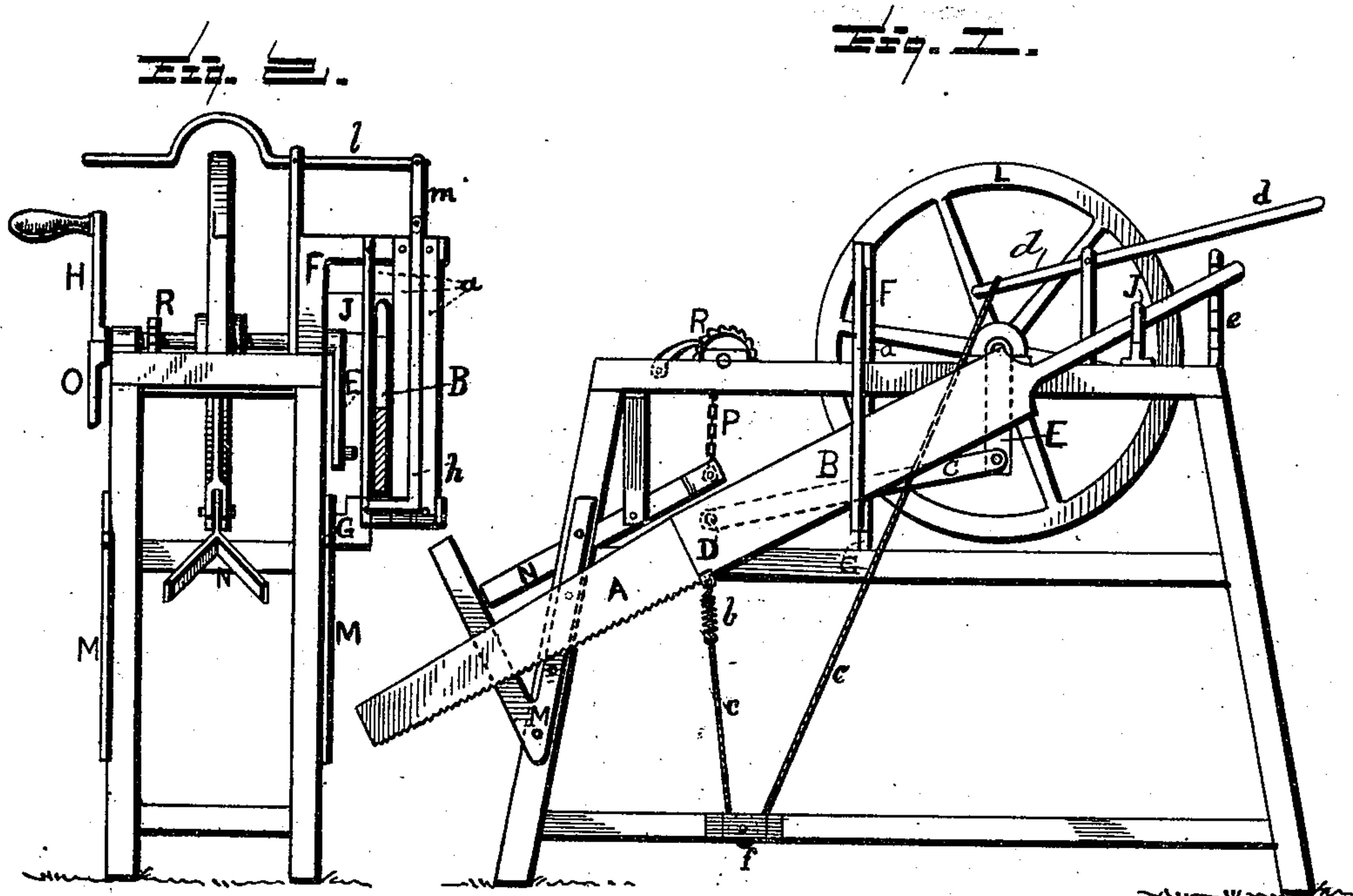


(No Model.)

M. C. GILBERT.  
WOOD SAWING MACHINE.

No. 512,876.

Patented Jan. 16, 1894.



Matthew C. Gilbert

*INVENTOR.*

**WITNESSES:**

E. M. Robinson  
R. W. Norman.

# UNITED STATES PATENT OFFICE.

MATTHEW C. GILBERT, OF COLUMBUS, GEORGIA, ASSIGNOR OF ONE-HALF  
TO HOWARD A. PAYNE, OF SAME PLACE.

## WOOD-SAWING MACHINE.

SPECIFICATION forming part of Letters Patent No. 512,876, dated January 16, 1894.

Application filed June 1, 1892. Serial No. 435,228. (No model.)

*To all whom it may concern:*

Be it known that I, MATTHEW C. GILBERT, a citizen of the United States, residing at Columbus, in the county of Muscogee and the State of Georgia, have invented a new and useful Wood-Sawing Machine, of which the following is a specification.

The objects of my invention are, to enable wood to be sawed quickly and easily, with a minimum amount of labor, and that it may be firmly held during the operation of sawing. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view showing the general arrangement of the saw, with its guides and holder, and connection to the crank. Fig. 2 is an end view showing the saw holder in section where it passes between the guides, and also showing the saw-lifter; and Fig. 3 is a plan.

In Fig. 1, A is an ordinary hand saw attached to a holder B.

C is a connecting rod attached to the holder B by the pin D (Fig. 3) and to the crank E.

F and G are brackets to which are screwed or bolted the guides *a, a, a*, between which the saw holder B slides.

J is another guide to take the back end of the holder B, and to hold the saw in line.

The crank E is operated by the hand crank H, to the shaft of which a fly wheel L is attached.

The spring *b* with cord *c c*, passing round the pulley *f*, is for adjusting the pressure of the saw against the wood in the rest or rack M. This pressure is attained by depressing the lever *d*, and when the desired pressure is

attained, the lever *d* is caught in the rest *e*, which contains several notches to admit of varying the pressure. The wood rests in the brackets M, and is held fast by the clamp N, which is tightened by turning the crank O (Figs. 2 and 3), and winding the chain P (Fig. 1) around the shaft Q (Fig. 3); this shaft being locked in position by the pawl and ratchet R. When a fresh piece of wood is to be put in, the saw is lifted by the lifter *h*, working in a slot in the guide *a*, and operated by the lever *l* and the link *m*; the lifter *h* being shaped in the form of an inverted L, and reaching under the saw holder B.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination with the bench, of the inclined saw-holder, the brackets F and G secured to the bench, the saw-holder guides on said brackets, a guide J for the rear end of the holder, the fly wheel with crank, a rod pivotally connected with said crank and with the holder near its lower end, a pulley on the lower bar of the bench, the cord passed under said pulley, a spring connected to one end of said cord and to the holder, a lever pivoted between the guides and the shaft of the fly wheel and connected to said cord, the notched rest for the free end of said lever, the brackets M on the end of the bench, and the adjustable clamp cooperating therewith, all substantially as shown and described.

Columbus, Georgia, May 25, 1892.

MATTHEW C. GILBERT.

Witnesses:

E. M. ROBINSON,  
S. E. LARDHON.