J. S. LOOMIS.

MOLDING-MACHINE.

No. 187,471. Patented Feb. 20, 1877.

Fig. 1.

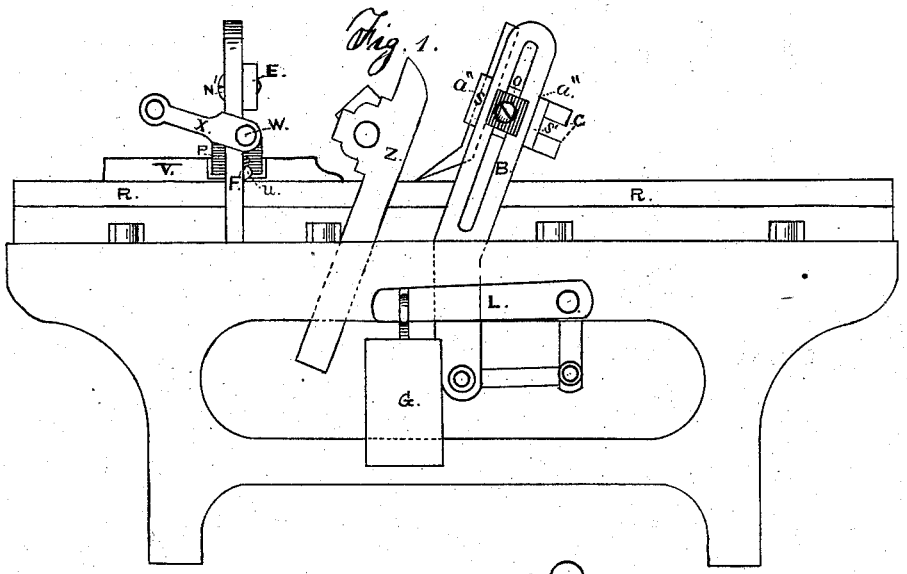


Fig. 2.

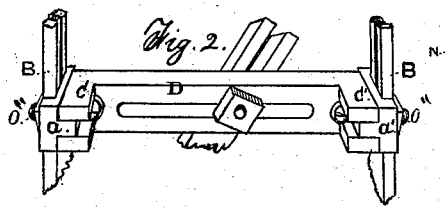
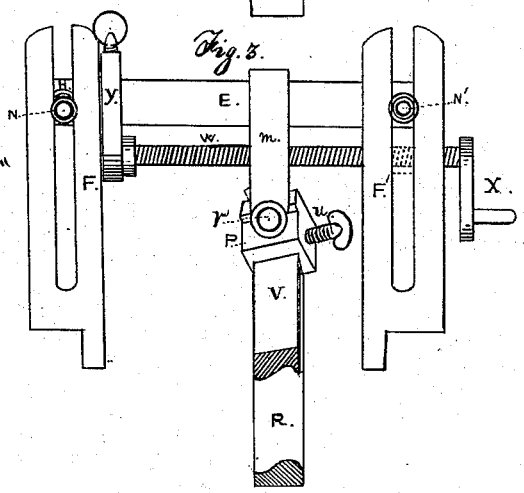


Fig. 3.



Witnesses:

James P. McLean.

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UNITED STATES PATENT OFFICE.

JOHN S. LOOMIS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN MOLDING-MACHINES.

Specification forming part of Letters Patent No. **187,471**, dated February 20, 1877; application filed January 4, 1876.

To all whom it may concern:

Be it known that I, JOHN S. LOOMIS, of the city of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Molding-Machines; and I declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of the specification.

To enable those skilled in the art to construct and operate the same, I will describe it as follows:

Figure 1 is a side elevation of a molding-machine, having my improvements attached, which consist of the slotted bars or arms B, adjustable-tongued blocks *a a'*, with projecting sides *s s'* embracing the upper edges of the said slotted arms, and adjustable by means of set screws and nuts *o''* on a line parallel with the supporting-standards Z of the cutter-head. E is a vertically-adjustable rear pivoted bar for operating the adjustable oscillating head P, which is secured to a wooden rubber-block, V, provided with sand-paper upon the bottom surface thereof for polishing purposes, or said block may serve as an adjustable pressure-foot upon the molding-strip R, said block being laterally adjustable by the screw rod or shaft W. By placing the single-weighted lever L at the side of the machine the operator is enabled to raise the front presser-foot by simply lifting the weight G, with less labor and time than is usually employed when two weights are used underneath the top of the machine. Fig. 2 is a perspective side view of the vertically-adjustable slotted bar D, provided with open rectangular arms C C' forming part of said slotted bar at each end thereof, to receive the adjustable-tongued bearing blocks or ways *a a'*, so that the slotted bar D and the front presser-foot may be raised or lowered and drawn back from the cutter in a right or straight line. Fig. 3 is a front view of the vertically-adjustable rear bar E pivoted in a sleeve-bearing, H, upon the screw-bolt N, and secured by a screw-bolt, N', at the opposite end thereof in the slotted standards F F'.

m is a sliding loop adjustable upon said bar E by means of a screw shaft or rod, W, which operates in the adjustable bearings *y* and *m'*. Loop *m* is secured to the oscillating presser-head P by means of a screw-pin, *r*. This oscillating head is provided with two extending jaws to grasp the wooden block V, which is secured and held in its place by means of a set-screw, *u*, passing through one of its jaws. This block V may be used for polishing or pressing the strip or molding R. The pressure is regulated by simply turning the screw rod or shaft W, which adjusts the head P at different angles for the double purpose set forth.

My patent bearing date December 21, 1875, fully covers the slotted bar D, Fig. 2, excepting the rectangular slotted arms *c c'* at each end of the same, which constitute one of the fundamental parts of this application.

The toggle-joints and weights are in common use; but a single weight, G, operating upon a crank-lever, L, at the side of a machine, I believe to be a better arrangement for operating the front presser-foot and slotted bar D. The novelty of this invention consists in the manner of constructing and arranging the bar E swinging in a sleeved bearing, H, upon the pin N, and adjustable in the slotted standard F, and provided with the sliding loops *m* and *y*, the loop *m* being attached to the oscillating presser-head, which is operated by the screw-shaft W for the double purpose set forth.

I disclaim the slotted adjustable bar D, operating in a curved line by means of curved slotted arms B, as set forth in my patent of December 21, 1875, and numbered 171,296.

I claim—

In a wood-molding machine the combination of the adjustable pivoted bar E, open standards F F', loops *y* and *m*, pin *r*, transverse screw-shaft W, and presser-block V, in the manner and for the purposes set forth.

In testimony whereof I hereunto subscribe my name in the presence of two witnesses.

JOHN S. LOOMIS.

Witnesses:

JAMES P. MCLEAN,

JOHN K. MCLEAN.