

W. C. MARGEDANT.
Planing-Machines.

No. 149,494.

Patented April 7, 1874.

Fig. 1.

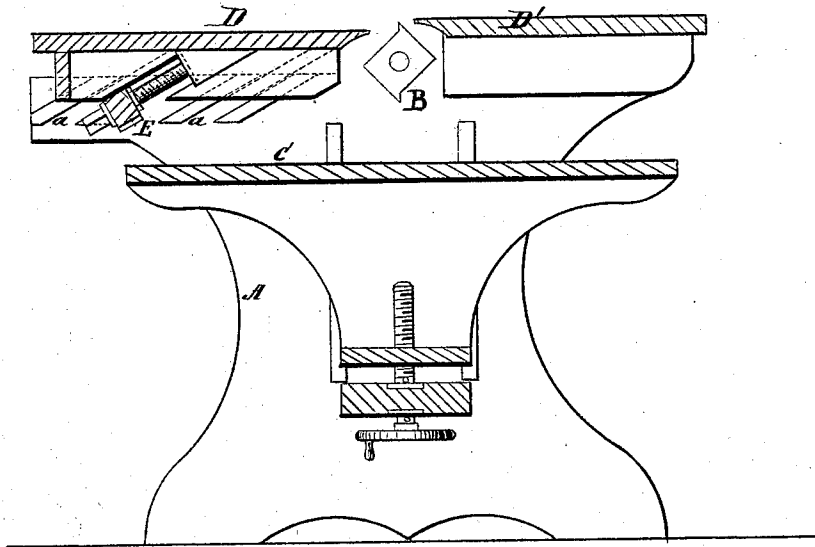
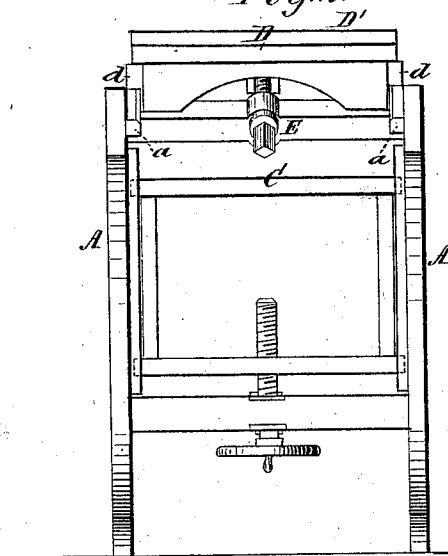


Fig. 2.



WITNESSES.

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WILLIAM C. MARGEDANT, OF HAMILTON, OHIO, ASSIGNOR TO BENTEL,
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IMPROVEMENT IN PLANING-MACHINES.

Specification forming part of Letters Patent No. **149,494**, dated April 7, 1874; application filed
March 5, 1874.

To all whom it may concern:

Be it known that I, WILLIAM C. MARGEDANT, of Hamilton, in the county of Butler and State of Ohio, have invented a new and Improved Planing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification.

This invention relates to that class of planing-machines known to the public as surface-planers.

The invention will first be fully described in connection with all that is necessary to a full understanding thereof, and then pointed out in the claim.

Figure 1 is an elevation in horizontal section, and Fig. 2 an end view.

A represents a planer-frame; B, the rotary cutter, and C the subjacent table, on which rests the timber. D D' represent two parts of a table placed above a horizontal plane passing through the cutter-shaft, one part adjustable, both horizontally and vertically, while the other is stationary.

The object is to enable the warp to be taken out of the timber before the final planing operation is commenced.

The difference between the surfaces or planes of the two parts D D' regulates the thickness of cut, and the adjustment of part D is secured by the oblique side tongues *d d*, working in corresponding grooves *a a* of the

plane, while the movement is obtained by means of a single screw, E, working obliquely in a subjacent lug of part D.

By giving a diagonal or oblique motion to the table the vertical and horizontal adjustments are obtained by one operation.

By this machine, it will be perceived that I utilize the same rotary cutter both for excising the warp and completing the operation, the timber being entered upon the separate tables, one end above the cutter, for the first purpose, and beneath the cutter at the opposite end for the other. Thus a workman is placed at each end of the machine, and a feed is being made in both directions, while the same rotary cutter is taking the warp from one piece of timber and planing another simultaneously. This enables a greatly-increased amount of work to be done at a given expense.

Having thus described my invention, what I claim is—

The planing-machine consisting of the frame A, having thereon a rotary cutter, B, of the lower table C, and the upper part tables D D', the part table D being both adjustable with, and independently of, the table C and part table D', arranged as specified, and having also an independent horizontal adjustment, as described.

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Witnesses:

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