

2 Sheets--Sheet 1.

C. E. McBETH & W. C. MARGEDANT.
Planing-Machines.

No. 149,499.

Patented April 7, 1874.

Fig. 1.

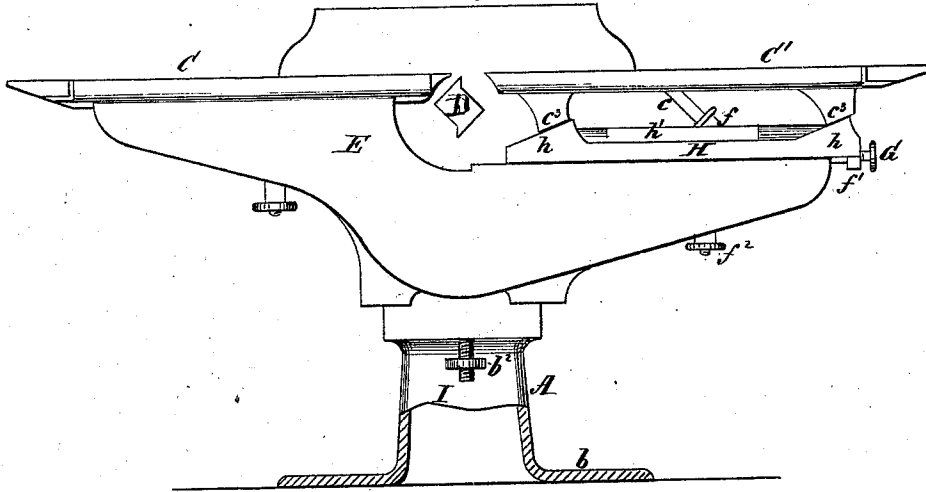
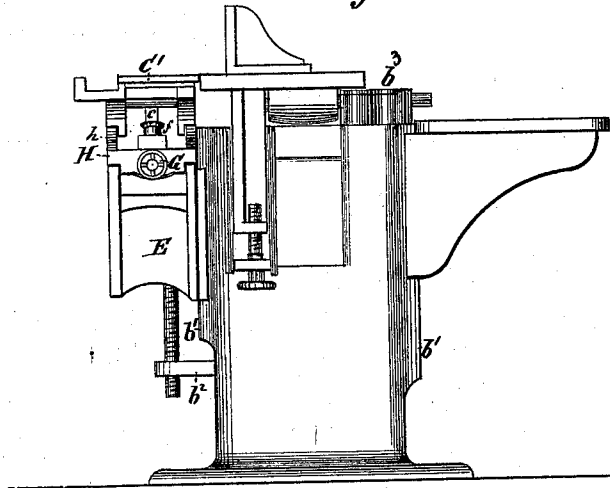


Fig. 2.



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Fig. 3.

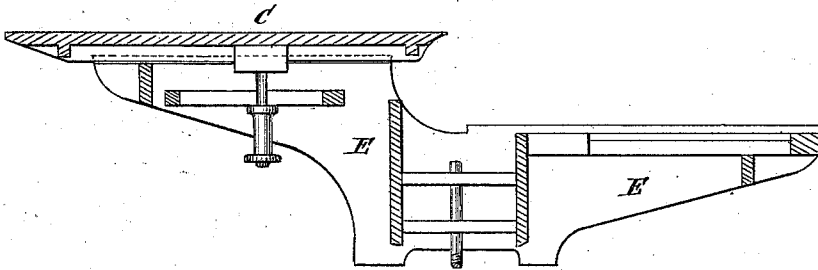


Fig. 4.

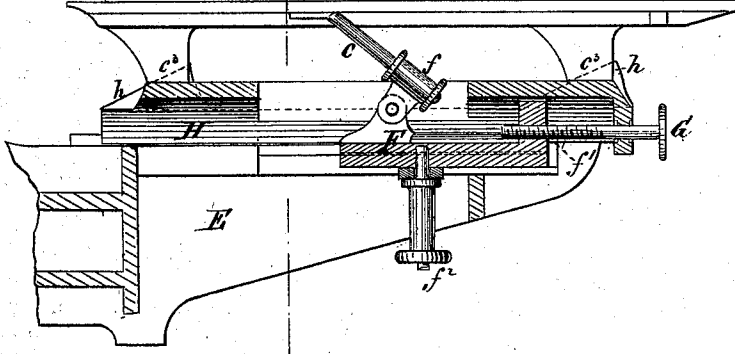
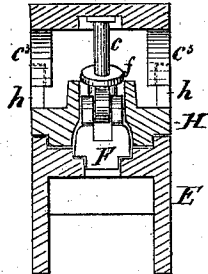


Fig. 5.



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UNITED STATES PATENT OFFICE.

CHARLES E. MCBETH AND WILLIAM C. MARGEDANT, OF HAMILTON, OHIO.

IMPROVEMENT IN PLANING-MACHINES.

Specification forming part of Letters Patent No. **149,499**, dated April 7, 1874; application filed March 9, 1874.

To all whom it may concern:

Be it known that we, CHARLES E. MCBETH and WILLIAM C. MARGEDANT, of Hamilton, in the county of Butler and State of Ohio, have invented a new Improvement in Planing-Machines; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side, and Fig. 2 a front, elevation; Figs. 3 and 4, longitudinal vertical sections, and Fig. 5 a vertical cross-section.

The invention relates to surface-planers; and consists in the feature of improvement hereinafter fully described, and pointed out in the claim.

A represents a planer-frame or hollow post, having the base *b*, guides *b*¹, lug *b*², and boxes *b*³, made in one piece therewith. The object of making a planer-frame in this shape is to obtain strength and save expense, its form allowing it to be cast in a cheap and economical manner. C C' is an adjustable table, on which the timber is placed, moved, and operated upon by the rotary cutter D. The table C C' is, as usual, made in two sections, the first sliding, but otherwise not adjustable, except with the frame E, while the other is vertically as well as horizontally adjustable on said frame, all of which is made the subject-matter of another application for a patent. The part C' has an oblique subjacent pin, *c*, that works loosely in the pivoted socket *f* of a sliding carriage, F, clamped at suitable points by a screw, *f*², and has also lugs with

the inclines *c*³. The journaled screw G operates through a thread, *f*¹, to move the slide H, with its inclines *h*, backward and forward in grooves of the frame E, to raise or lower table-section C'. The slide H fits over the carriage F by means of a slot, *h*¹, that is long enough to admit of the requisite movement of said slide. This construction allows one part, C', of the table to be adjustable separately from the other, C, while both are adjustable together in altitude by a screw, I, passing through a lug, *b*².

The most of what has been now described is shown in our patent of October 31, 1871; and on this we have improved by adding the clamp-screw *f*², and making the piece F slide. Thus we can set and clamp the holder of socket F at various points wherefrom the slide H may be moved. Again, we may simply unclamp the screw *f*², and run the socket-carriage F back or forward, thus affording several points from which slide H may be adjusted.

Having thus described our invention, what we claim is—

The combination, with part-table C' and slide H, of the socket-holder F, arranged to slide and be held at various points of adjustment, in the manner described.

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