

W. E. EASTMAN.
Mitering Machine.

No. 243,533.

Patented June 28, 1881.

Fig. 1.

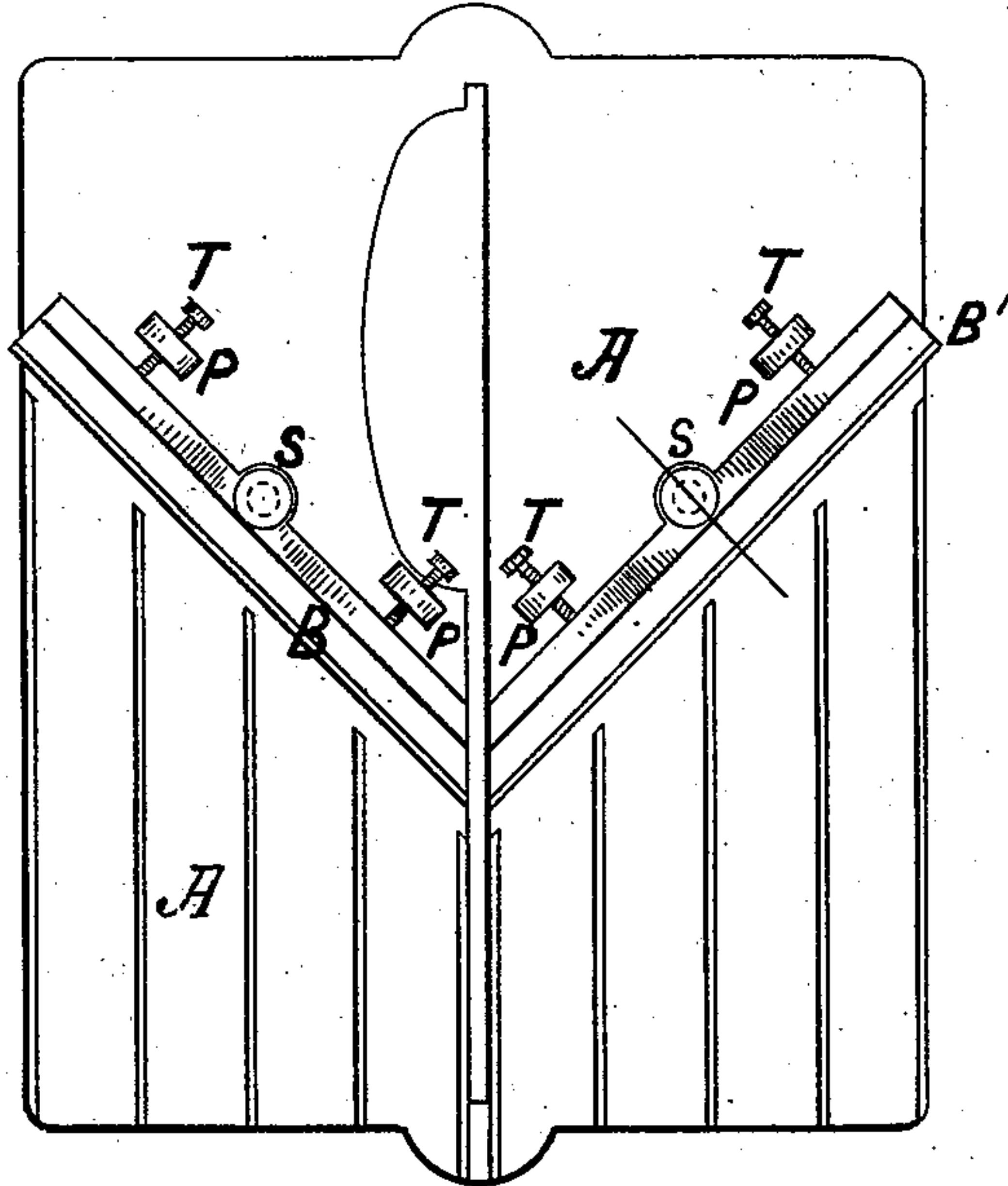
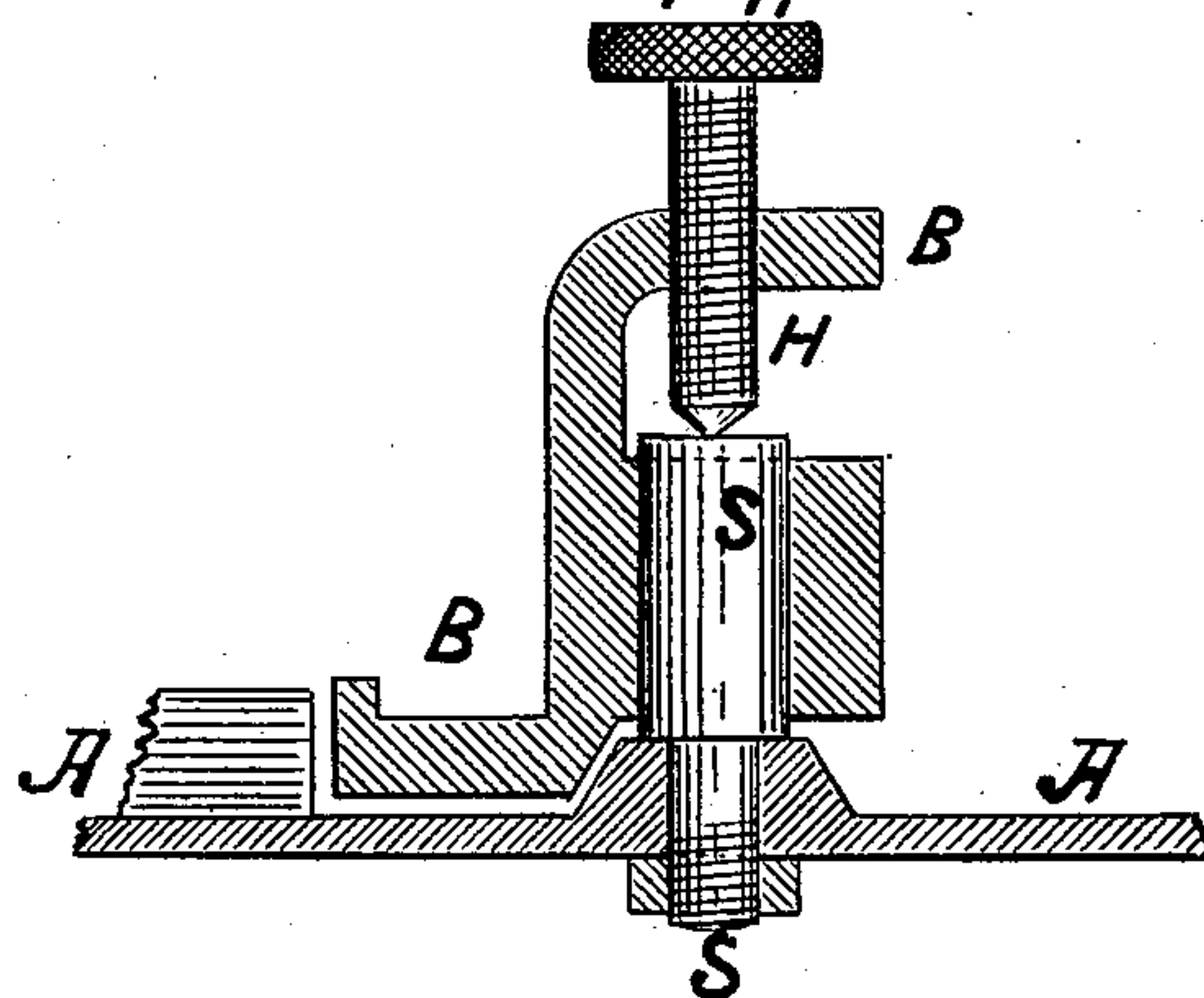


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM E. EASTMAN, OF WORCESTER, MASSACHUSETTS.

MITERING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 243,533, dated June 28, 1881.

Application filed July 23, 1877.

To all whom it may concern:

Be it known that I, WILLIAM EVERARD EASTMAN, of the city of Worcester, county of Worcester, and State of Massachusetts, have
5 invented a new and useful Improvement in Miter-Machines, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

10 My invention consists, essentially, of the attachment to a reciprocating saw-table of adjustable rests, against which moldings or other pieces of wood to be mitered are held, either by the hand of the operator or by any suitable
15 binding appliance or mechanism.

The rests are shown in position upon the saw-table A, and are designated by the letters B and B' in Figure 1, where they are shown in longitudinal horizontal section. In Fig. 2
20 one of the rests is shown in transverse vertical section.

In both figures letters of reference are the same.

The rests B B' are adjustable in a horizontal
25 direction by the adjusting thumb-screws T T T, which pass through the ears or projections P P P, the rests oscillating upon or around the studs S S. The vertical or perpendicular adjustment is obtained by the adjusting-screws
30 H H, which, passing through a projecting portion of the rests, have a bearing upon the tops of the studs S S. By the screws H H the rests are raised or allowed by their own weight to de-

scend. The object of the horizontal adjustment is to allow a slight variation from the true miter-angle of forty-five degrees, such variation
35 being requisite, under certain circumstances, to the perfect construction of a picture-frame. The object of the perpendicular adjustment is to enable the operator to always hold picture-frame molding with the rest in the rabbet, instead of against the inner edge of the molding.
40 For shallow rabbets the rest is lowered, and for deep or high ones it is raised so that a full bearing of the whole inside surface of the rabbet may be obtained. As the dimensions of
45 all picture-frames are reckoned within the rabbet, and not within the inner margin of the frame, an important advantage of exact measurement by a scale upon and extending from
50 the rests is obtained by allowing the rest to go into the rabbet.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

55 A rest or rests, for the purposes specified, having both a horizontal and a vertical adjustment, said horizontal adjustment being effected by an oscillatory movement upon a fixed center, and said vertical adjustment by means
60 of a hand-screw, substantially as described.

WILLIAM E. EASTMAN.

In presence of—

GEO. M. WOODWARD,
KENRICK WALKER.