2 Sheets--Sheet 1.

J. H. VAN NESS.

Mitering-Machines.

No. 143,265. Patented September 30, 1873.

Fig. 1.

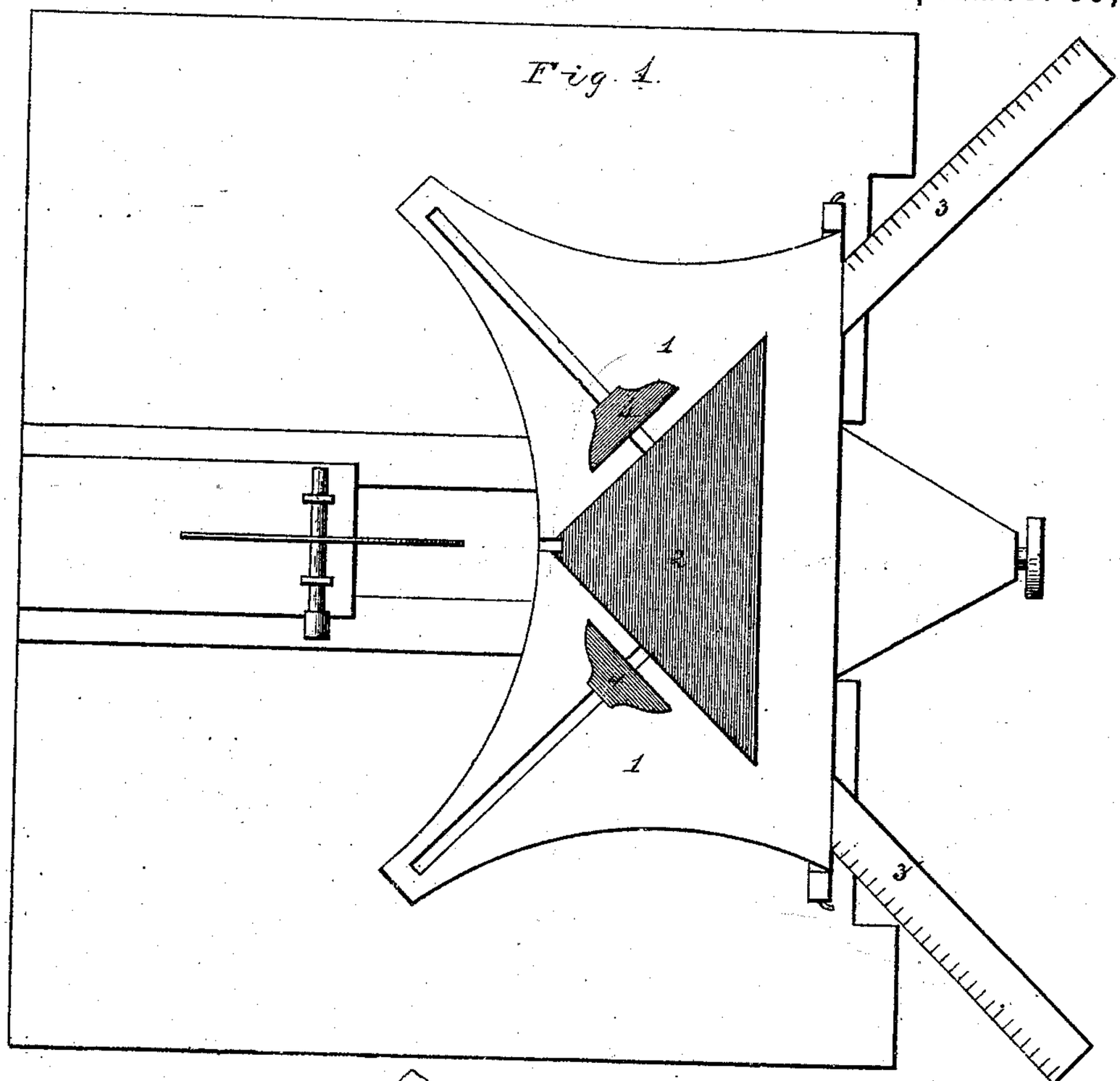
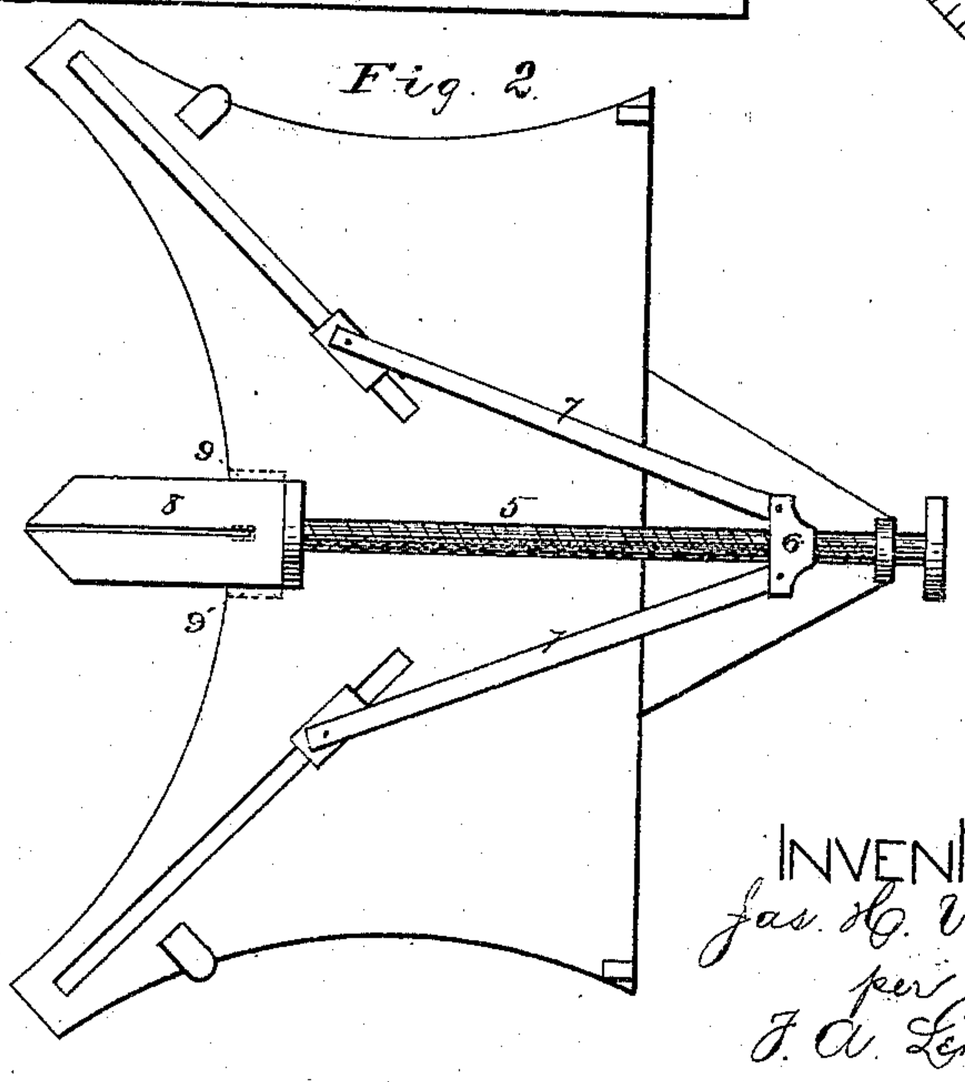


Fig. 2.



WITNESSES.

Wm Johnson.

W. F. Kendig.

INVENTOR.

Jas. H. Van. Ness

per

J. A. Lehmann, Atty

2 Sheets--Sheet 2.

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Fig. 3.

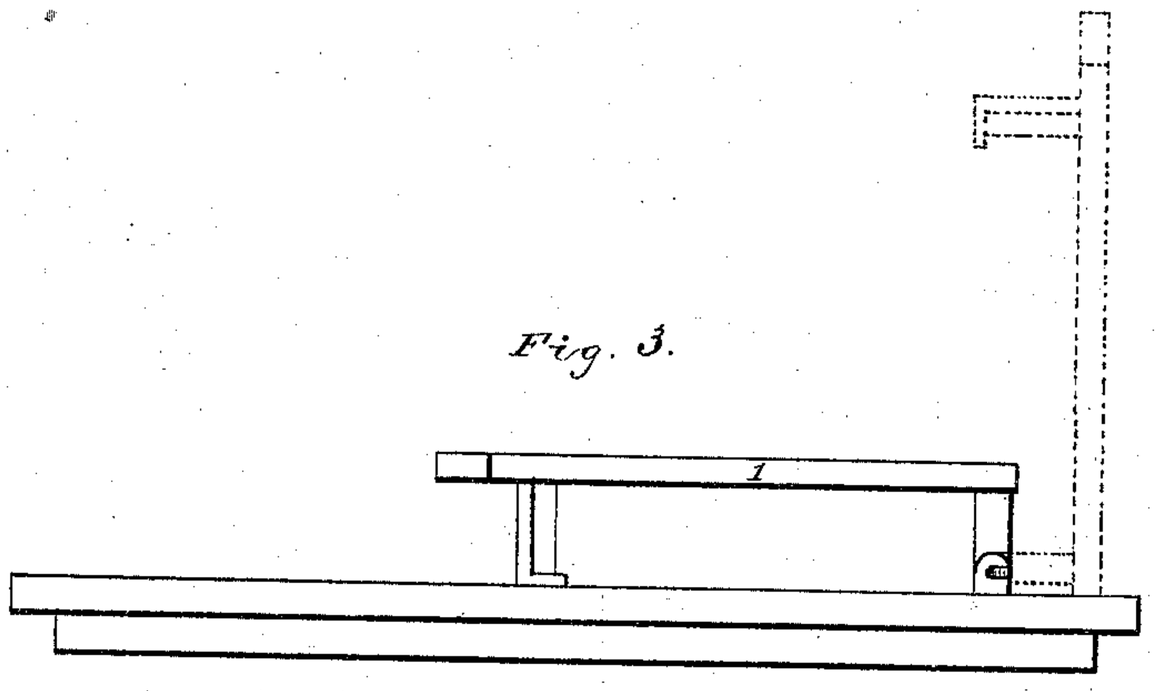
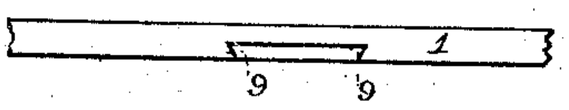


Fig. 4.



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UNITED STATES PATENT OFFICE.

JAMES H. VAN NESS, OF CHARLOTTE, NORTH CAROLINA.

IMPROVEMENT IN MITERING-MACHINES.

Specification forming part of Letters Patent No. **143,265**, dated September 30, 1873; application filed May 31, 1873.

To all whom it may concern:

Be it known that I, JAMES H. VAN NESS, of Charlotte, in the county of Mecklenburg and State of North Carolina, have invented certain new and useful Improvements in Combined Measuring Mitering-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings which form part of this specification.

The nature of my invention relates to an improved measure, miter, and square; and it consists in a hinged frame having the square and measure formed with it, and provided with two movable clamping-blocks, operated together so as to move at a right angle with the square and clamp the molding to it, all of which will be more fully set forth hereafter.

Figure 1 is a plan view of my invention. Fig. 2 is an inverted view of the table or frame, showing the devices for operating the blocks. Figs. 3 4 are detail views.

1 represents the frame or table, having the square 2 formed upon its top, and the two measures 3 extending outward on a line with the sides of the square, so that the work can be measured as it is moved forward without the trouble of using a measure. This frame rests on four legs, the two rear ones of which are pivoted to the bed-plate, so that the frame can be raised from a horizontal to a vertical position, as shown in dotted lines, for the purpose of conveniently fastening the corners of the frames together. Moving in slots at right angles to the square are two clamping-blocks, 4, which clamp the molding to the square by pressing against its back, and thus prevent the chance of marring its face. These clamps are moved back and forth simultaneously by the screw 5, screw-block 6, and connecting-rods 7, and can be adjusted with great nicety, or made to clamp the moldings with any desired degree of force.

Either side of the square can be used for mitering independently of the other, either a power or a hand saw being used. When a hand-saw is used the guiding-block 8, having suitable beveled edge, is placed in the dove-tailed groove 9 formed on the under side of the frame 1.

By the combination of the parts, as here shown and described, the molding is measured, mitered, squared, and held together for fastening at the corners.

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

1. The table 1, having the square 2 secured to its top, in combination with the two adjustable clamping-blocks 4, moving at right angles to the sides of the square, and suitable devices for operating them, substantially as set forth.

2. The screw, screw-block, connecting-arms, and clamping-blocks, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 26th day of May, 1873.

JAMES H. VAN NESS.

Witnesses:
F. NASH,
A. H. MARTIN.