J. M. Seymour,

Mitering Machine,

No. 79,783, Patented July 7, 1868.

Fig. 1.

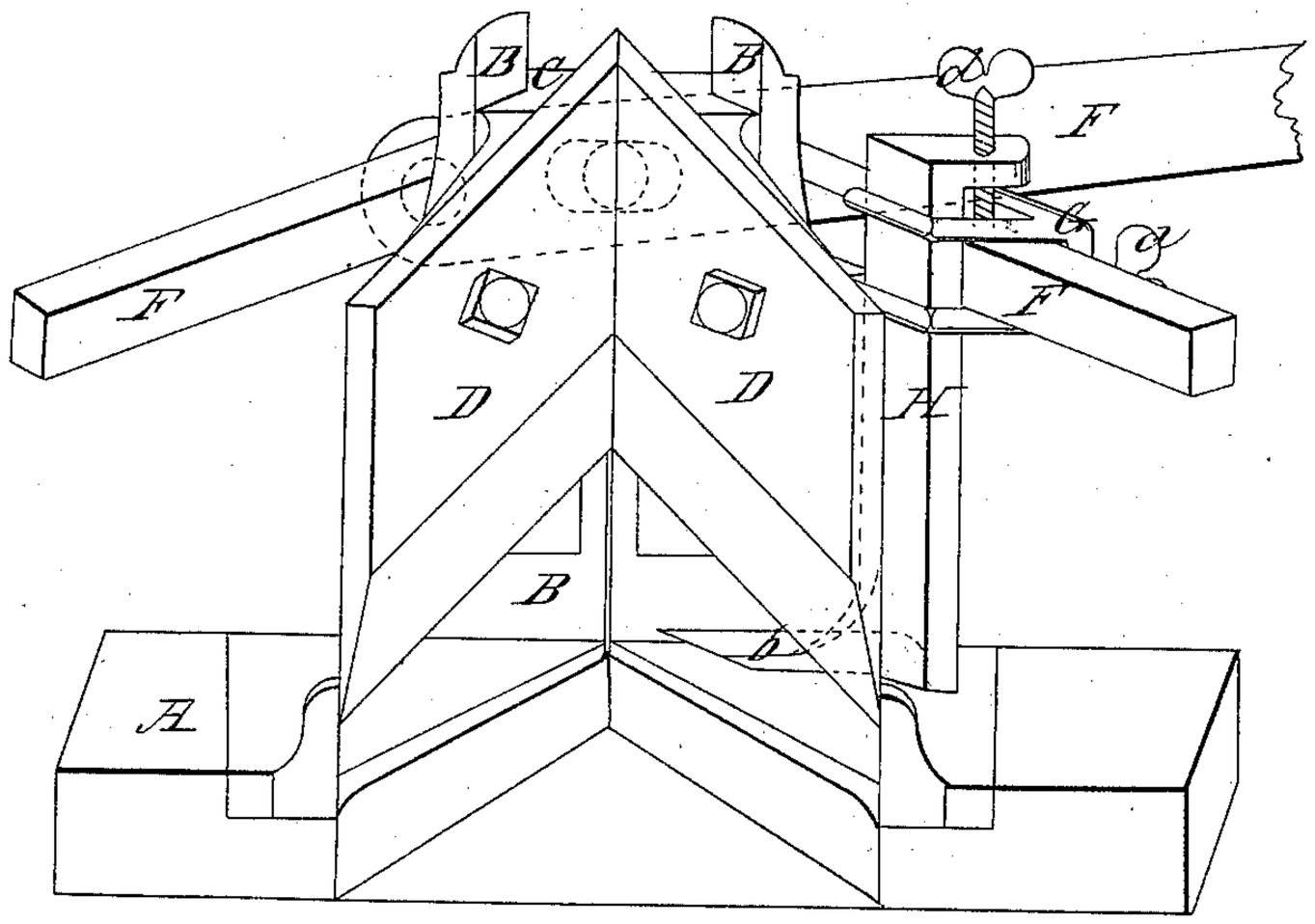


Fig. 2

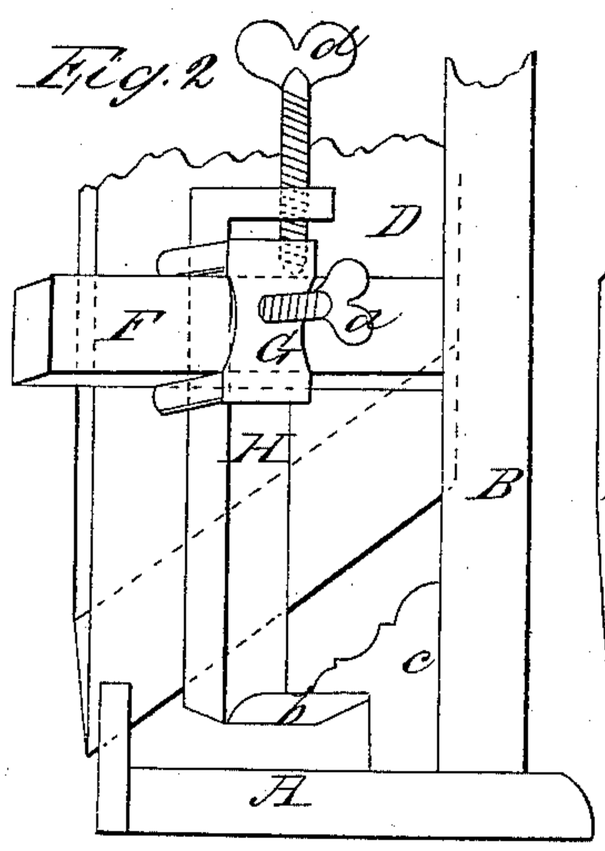


Fig. 3

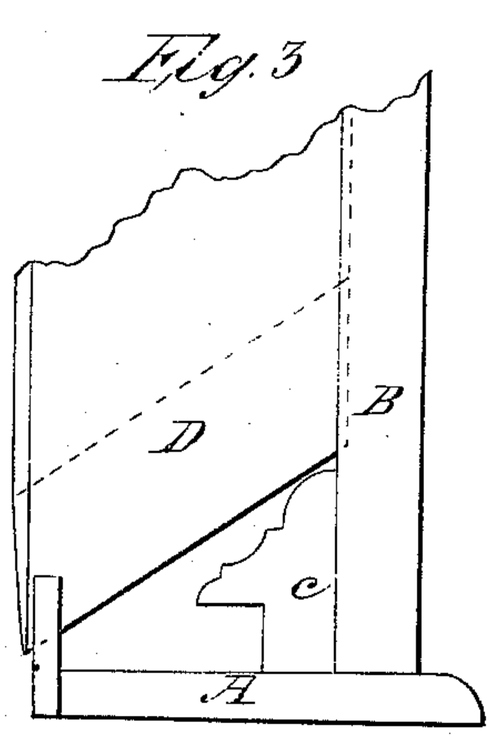
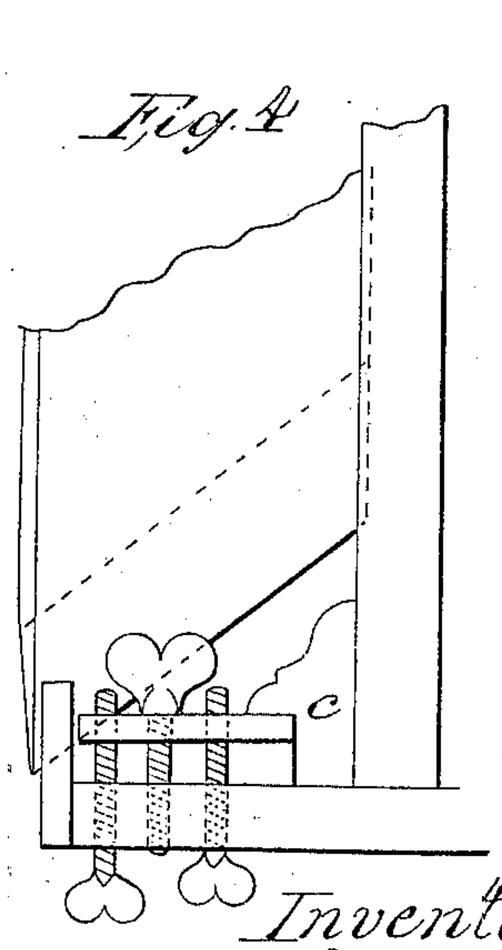


Fig. 4



Witnesses

W. M. Gooding

R. M. Harrison

Inventor

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JAMES M. SEYMOUR, OF NEWARK, NEW JERSEY, ASSIGNOR TO HIMSELF AND DANIEL WHETLOCK, OF SAME PLACE.

Letters Patent No. 79,783, *dated July* 7, 1868.

IMPROVEMENT IN MITRING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JAMES M. SEYMOUR, of the city of Newark, in the county of Essex, and State of New Jersey, have made certain Improvements in Machines for Cutting Mitres on mouldings for picture-frames, or for carpenters' use; and I hereby declare the following to be a full and exact description of the same, reference being had herein to the drawings that accompany this specification as part thereof.

The nature of my improvement consists in the adaptation of a support for rebates and quirks, to obviate the breaking and defacing of mouldings, so commonly occurring as mitring-machines are ordinarily made.

In the drawings—

Figure 1 is the mitre-machine with the support on one side.

Figure 2 is a view of the position of the moulding on the support.

Figure 3, the moulding without support; and

Figure 4 is another manner of attaching an adjustable support.

A, the bed-piece; B, the frame; C, the slide; D, the knives, and E, the lever, are all constituents of the machine known as Hall's mitre.

F F show two additional arms attached to the frame B, projecting back of and parallel to the knives D D.

A double clasp, G, slides upon the arms F F, through which passes the stem of the adjustable support H, which is secured to the arm F by the set-screw *a*.

The foot *b*, on the stem of H, is adjusted to the under side of the rebate in the moulding *c*, and is held in position by the set-screw *d*, on the top of H, which receives and transmits the pressure from cutting the moulding on to the arm F.

The face of the adjustable support *b* must be on a line with the cutting-knife D and with the angular bed A, the back of the knife and its edge passing close thereto, and the arms F F must be on precisely the same angle, so that in moving the foot *b*, by means of the stem H and the double clasp G, up or down, out or in, its face shall preserve the same angle with the knife and the bed.

What I claim as my improvement, and desire to secure by Letters Patent, is—

1. The adjustable foot *b*, stem H, double clamp G, and the arms F F, when combined with a mitre-machine in the manner and for the purpose specified.

2. The adjustable foot *b*, when constructed to move on the line of the edge of the knives, and close thereto, as specified and shown.

JAMES M. SEYMOUR.

Witnesses:

WM. M. GOODING,

R. M. HARRISON.