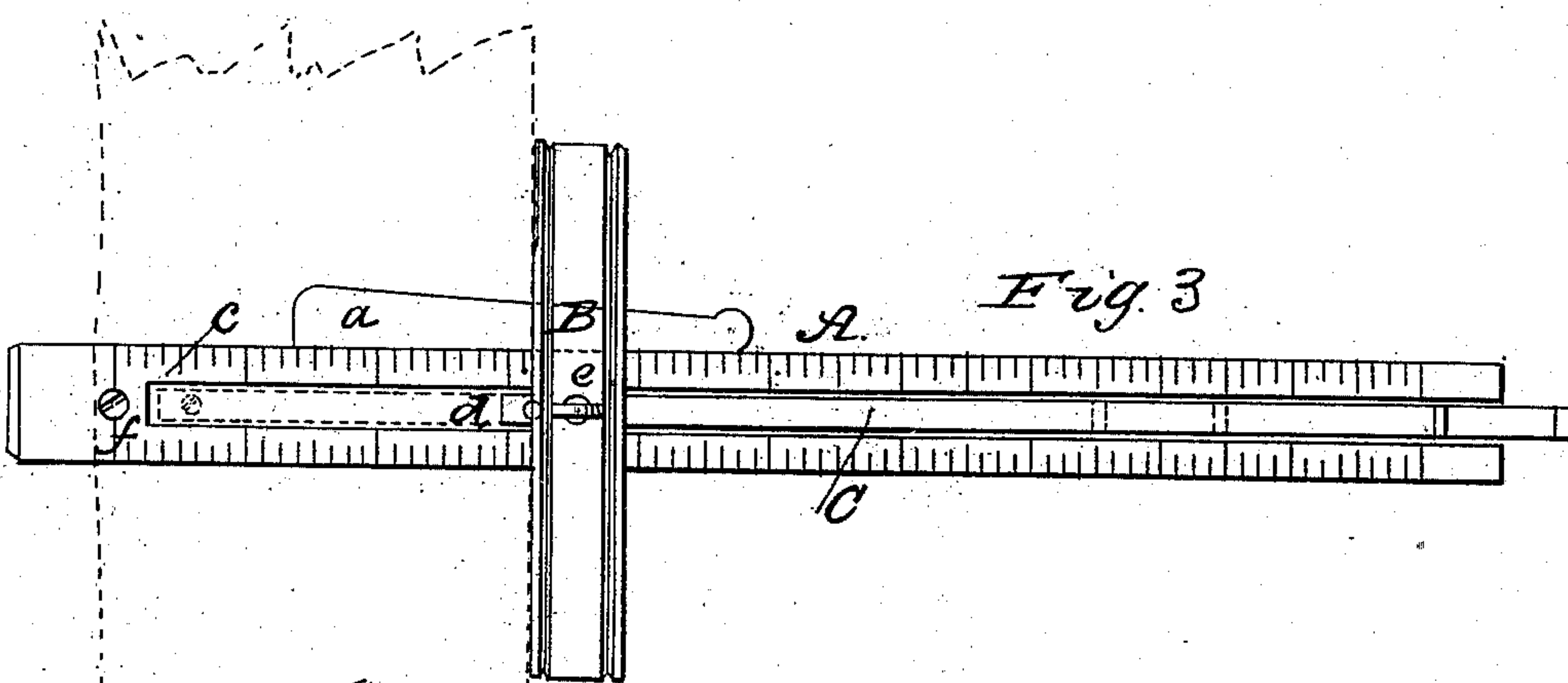
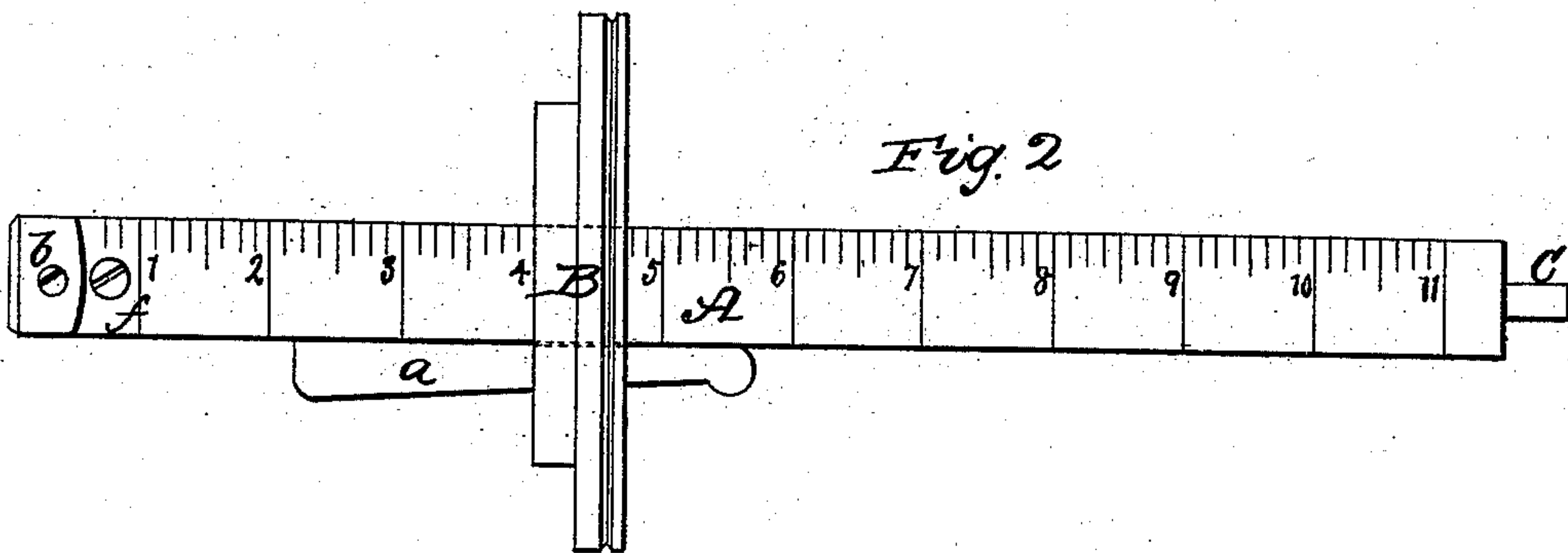
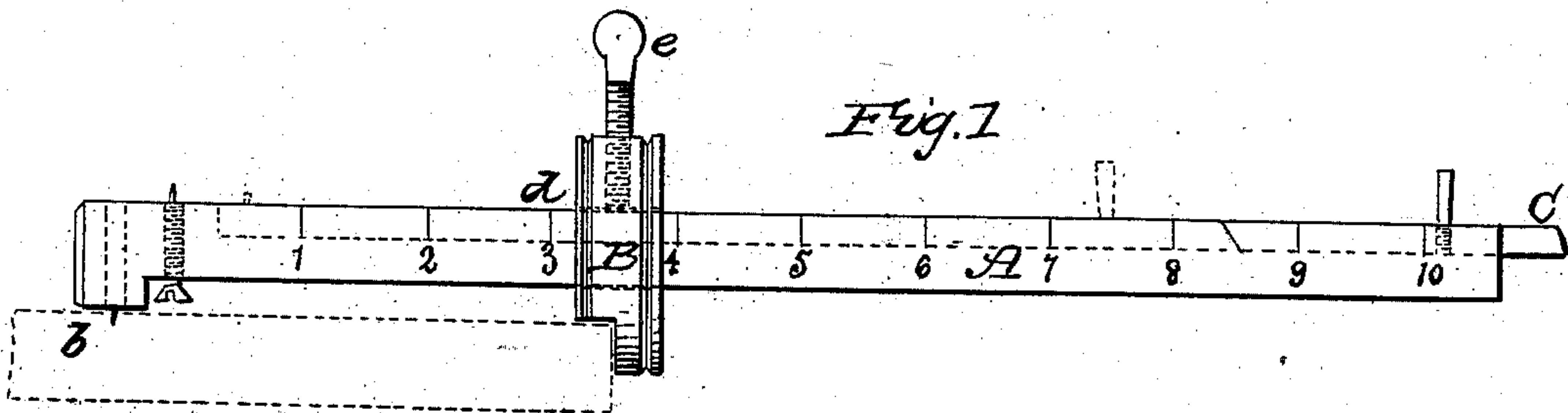


M. HORTON.
Carpenter's Gage.

No. 47,824.

Patented May 23, 1865.



Witnesses
M. M. Livingston
C. L. Tophill

Inventor
Martin Horton

UNITED STATES PATENT OFFICE.

MARTIN HORTON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CARPENTERS' GAGES.

Specification forming part of Letters Patent No. 47,824, dated May 23, 1865.

To all whom it may concern:

Be it known that I, MARTIN HORTON, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Carpenter's Gage; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of the specification, in which—

Figure 1 is a side elevation of this invention. Fig. 2 is an inverted plan of the same. Fig. 3 is a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention relates to a gage which is provided with a stationary brad of the ordinary construction in one side and a movable slide provided with a brad in the opposite side of its shank in such a manner that the gage can be readily set for gaging the width and thickness of a board. The head is adjustable by means of a wedge, which can be readily fastened and unfastened without loss of time, and a set-screw passing through the same serves to retain the slide for gaging the thickness. An additional adjustable brad on that side of the shank which contains the slide acts in combination with the brad in said slide as a mortise-gage.

A represents the shank of my gage, which may be made of wood or any other suitable material. It is provided with an adjustable head, B, which moves back and forth thereon, and which is secured in the desired position by a wedge, *a*, in preference to a set-screw, as usually employed for this purpose. A slight pressure on the tip of the wedge disengages the head and allows of moving the same to the desired point, and by a slight pressure on the thick end of the wedge the head is secured in the required position. The shank A

is provided with the ordinary brad, *b*, in one side, and its other side is furnished with a dovetailed groove, *c*, that forms the guide for the slide C. This slide is provided with a brad, *d*, and it is adjusted in the required position by a set-screw, *e*, in the head. The brad *b* in one side of the shank A serves to gage the width of boards, while at the same time the slide C is set so that the brad *d* gages the thickness, and much time is saved in this operation. An additional brad, *f*, projects from that side of the shank which contains the slide C. This brad is formed by the end of a screw, and by turning said screw in the proper direction it (the brad) can be drawn in so that it does not interfere with the operation of the brad *d* on the slide.

By the combined use of the brads *f* and *d* the gage serves as a mortise-gage, the slide being set so that the distance between said two brads corresponds to the width or length of the mortise to be made, and the head B being adjusted according to the distance of the mortise from the edge of the board.

From this description it will be seen that my gage is so constructed that it combines the advantages of three different gages all in one tool. It serves as an ordinary gage, also as a gage for marking the width and thickness, and, finally, as a mortise-gage. It is simple in its construction, easily operated, and all its parts are so arranged that they are not liable to get out of order.

I claim as new and desire to secure by Letters Patent—

The adjustable brad *f*, in combination with the brad *d* in the slide C, arranged and operating substantially as and for the purpose described.

MARTIN HORTON.

Witnesses:

M. M. LIVINGSTON,
C. L. TOPLIFF.