

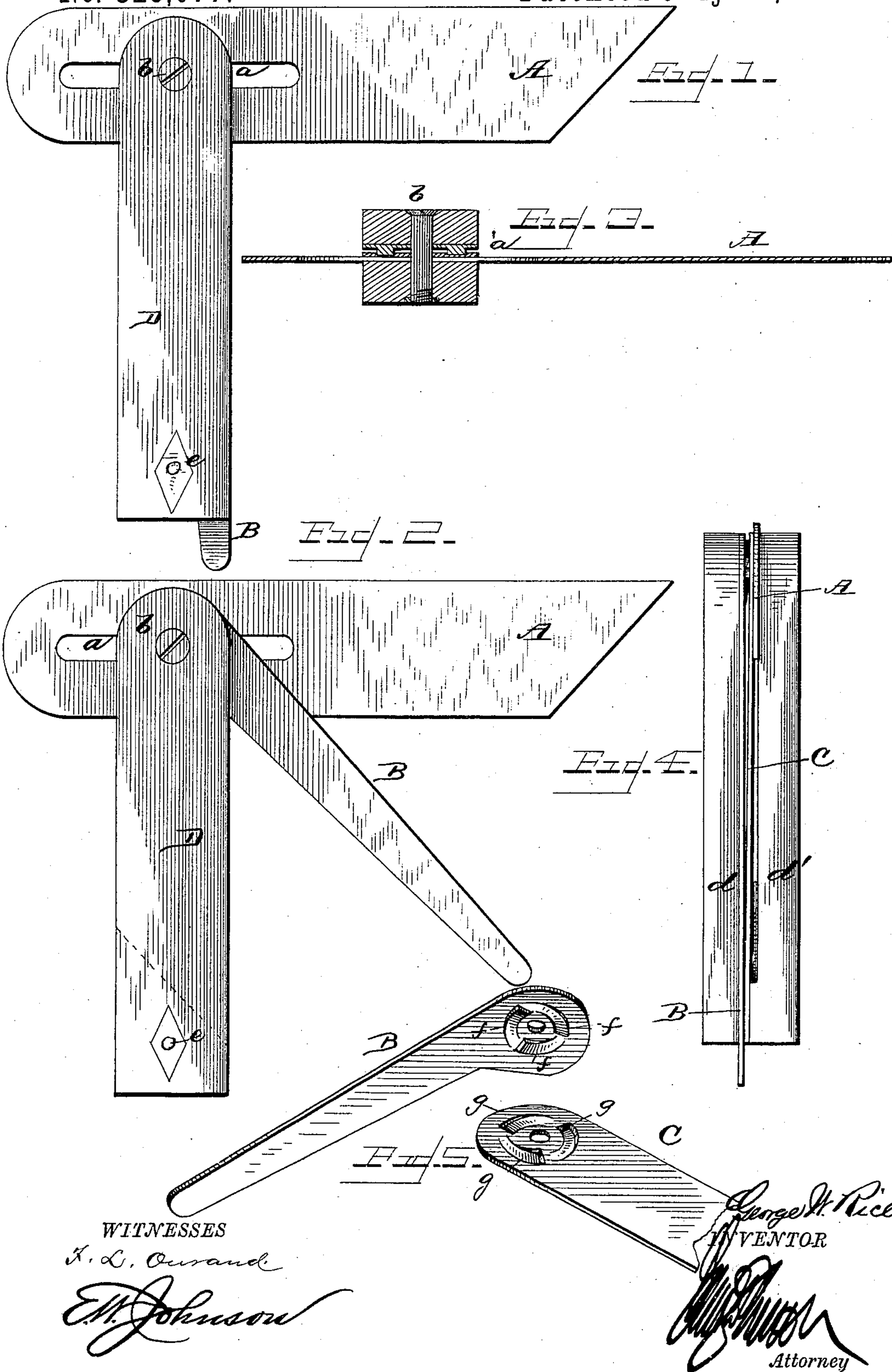
(No Model.)

G. W. RICE.

BEVEL.

No. 323,077.

Patented July 28, 1885.



WITNESSES

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# UNITED STATES PATENT OFFICE.

GEORGE W. RICE, OF MANISTIQUE, MICHIGAN.

## BEVEL.

SPECIFICATION forming part of Letters Patent No. 323,077, dated July 28, 1885.

Application filed December 31, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. RICE, a citizen of the United States of America, residing at Manistique, in the county of Schoolcraft and State of Michigan, have invented certain new and useful Improvements in Bevels; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in carpenters' bevel-squares, the object being to provide an implement, the blade of which may be readily and conveniently adjusted to any angle with the stock, the usual clamping-screw being dispensed with, and a lever, which fits into the stock, substituted therefor, as will be hereinafter set forth.

In the accompanying drawings, which illustrate my invention, Figure 1 is a side view showing the blade in a locked position. Fig. 2 is a similar view showing the clamping-lever in a position so as to loosen the blade, so that it can be adjusted. Fig. 3 is a sectional view, Fig. 4, an edge view, and Fig. 5 a detail perspective view.

A represents the blade of the bevel, which is provided with a slot, *a*, through which passes a set-screw, *b*, which pivotally connects the blade-lever B and clamping-plate C to the stock D.

The stock D is made up of two parts, *d d'*, which are attached to each other at their upper ends by the set-screw *b* and at their lower ends by a rivet, *e*, the metallic clamping-plate C being interposed between the portions *d d'*. The portion *d* of the stock adjacent to the clamping-plate is recessed for the reception of the lever B, which, when pressed home, as shown in Fig. 1, will be flush with the edge of the stock, the offset portion of the side *d* of the stock bearing against the plate C. The opposite side of the stock, *d'*, is also recessed for the reception of the blade.

The lever B, which is pivoted to the stock adjacent to its portion *d*, is provided with angular projections *f f f*, which are concentric with the perforation through which passes the screw *b*, and these projections, when the

lever is placed at nearly right angles with the stock, engage with a similarly-shaped series of recesses, *g g g*, in the clamping-plate C. The sides of the end of the lever and clamping-plate opposite to the projections and recesses or depressions present a plain or smooth surface, respectively, to side *d* of the stock and the blade A.

When it is desired to adjust the blade A, the lever B is raised until the projections thereon enter the recesses in the clamping-plate C, when the blade becomes loose in the stock and can be adjusted, after which it can be locked in position by depressing the lever, which causes the clamping-plate to bear upon the blade, thus holding the same from displacement by frictional contact.

The lever B is of sufficient length to extend beyond the stock, as shown in Fig. 1, so that the same may be readily grasped when it is desired to raise the same. It will be also noted that as the lever does not bear directly upon the blade, the blade is not liable to turn when being locked in position.

Should the parts become worn from constant use, the wear may be readily taken up by simply turning the set-screw *b*.

I claim—

1. In a bevel-square, the combination of an adjustable blade-stock made up of two parts and a clamping-lever provided at its pivotal end with inclined projections, the parts being organized substantially as shown, and for the purpose set forth.

2. In a bevel-square, the stock made of two parts and provided centrally with longitudinal slots, and a plate, C, attached centrally to the stock, in combination with an adjustable blade, and pivoted lever having cams or projections formed on its face, substantially as shown.

3. In a bevel-square, an adjustable blade, a two-part stock recessed on its inner sides, the parts of the stock having interposed between the same a clamping-plate with recesses, in combination with the locking-lever having inclined projections, the parts being combined and organized substantially as shown.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. RICE.

Witnesses:

O. C. BOWEN,  
A. L. GARK.