R. N. Meriam,

Circular Saw Table Gage.

No. 97,950. Patented Dec. 14. 1869.

Fig: 1.

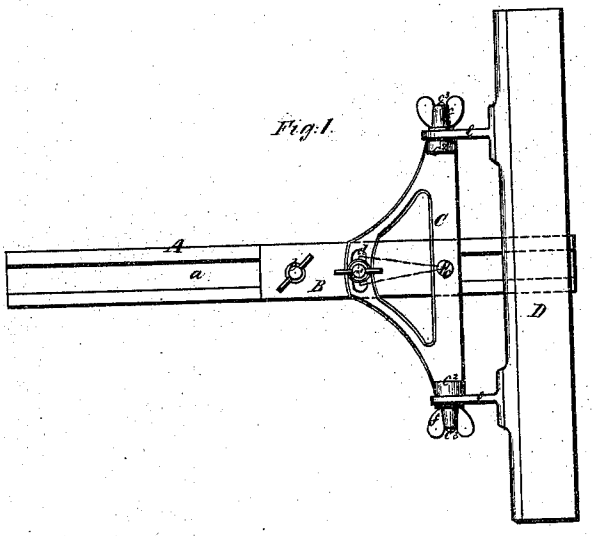
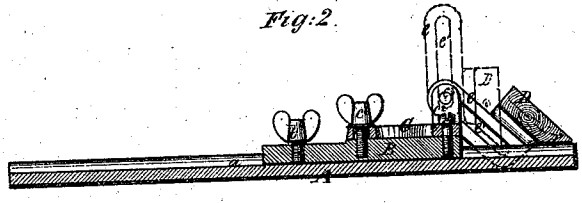


Fig: 2.



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UNITED STATES PATENT OFFICE.

RUFUS N. MERIAM, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN GAGES FOR CIRCULAR-SAW TABLES.

Specification forming part of Letters Patent No. **97,950**, dated December 14, 1869.

To all whom it may concern:

Be it known that I, RUFUS N. MERIAM, of the city and county of Worcester, in the State of Massachusetts, have invented a new and useful Improvement in Bevel-Gages for Saw-Tables; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a plan of a bevel-gage made in accordance with my invention. Fig. 2 is a longitudinal section of the same, corresponding with Fig. 1.

Similar letters of reference indicate corresponding parts in both figures.

This invention consists in a novel and simple construction and arrangement of the parts of a bevel-gage for saw-tables, whereby great efficiency, accuracy, and durability are attained. Its simple arrangement enables the operator to set the gage at any desired angle and distance from the saw, with less trouble and more accuracy than heretofore.

To enable others skilled in the art to construct bevel saw-gages in accordance my invention, I will proceed to describe the same with reference to the drawings.

A is a bed-plate of a suitable shape to be let into the saw-table, so as to be flush with the upper surface of the same, and to extend close to the side of the saw at right angles, or nearly so, with the same. This bed-plate has a dovetailed groove, *a*, formed along its entire length of sufficient size to receive a sliding block, B. Said block is made to fit the groove *a*, but allowed to move freely therein. A set-screw, *b*, passing through the block, near to one of its ends, serves to hold it fast at any desired point.

C is a bracket secured to the sliding block B near its other end by means of the pin *c*, around which it is allowed to turn. To hold it securely fast in any desired position, a set-screw, *c'*, passes through the slot *d*, which is formed on a tail-piece of the bracket C, and into the sliding block B. The ends of the bracket C are provided with upright lugs c^2 c^2 to hold the pivots c^3 c^3.

D is the face-piece of the gage, made of a proper length, and having the surface of the lower end, *d*, beveled. This face-piece is provided with slotted lugs *e e*, whereby it is connected with the bracket C, and always kept parallel with the same, the pivots c^3 c^3 working in the slots *c' e'* of the lugs *e e*. Nuts *f f* on the pivots c^3 c^3 allow the face-piece of the gage to be securely held at any desired angle. When the nuts *f f* are loosened, the face-piece D may be set at any desired angle with the saw-table, and when the set-screw *c'* is loosened the bracket C may be set at an angle with the plane of the saw to cut tapers.

What is here claimed, and desired to be secured by Letters Patent, is—

The bracket C, pivoted, as at *c*, and provided with a slot, *d*, and lock-nut *c'*, in combination with the sliding block B and face-piece D, all arranged and operating substantially as shown and described.

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