

J. A. TRAUT.
Carpenters' Gages.

No. 150,732.

Patented May 12, 1874.

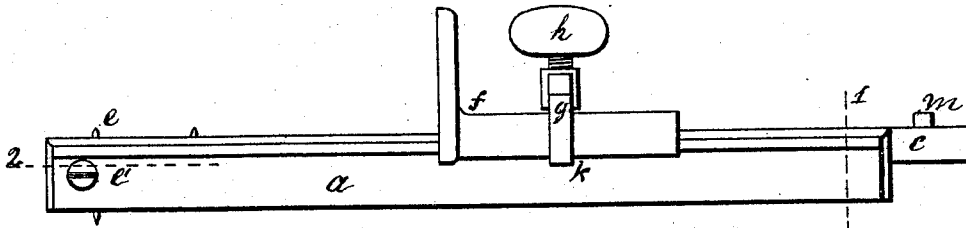


Fig. 1.

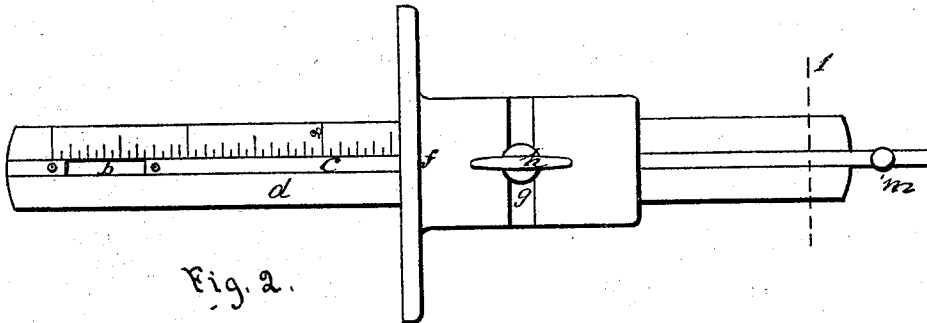


Fig. 2.



Fig. 3.

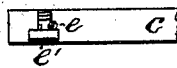


Fig. 4.

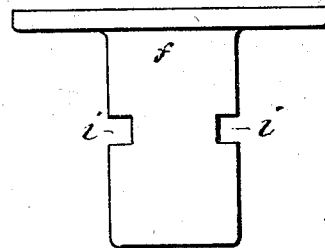


Fig. 5.



Witness.

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UNITED STATES PATENT OFFICE.

JUSTUS A. TRAUT, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN CARPENTERS' GAGES.

Specification forming part of Letters Patent No. **150,732**, dated May 12, 1874; application filed March 5, 1874.

To all whom it may concern :

Be it known that I, JUSTUS A. TRAUT, of New Britain, county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Carpenters' Gages; and to enable others skilled in the art to make the same, I will proceed to describe it, referring to the drawing, in which the same letters indicate like parts in each of the figures.

The nature of this invention will be clearly understood from the specification and drawing.

Figure 1 is a side view. Fig. 2 is a top view. Fig. 3 is an end view of the stock cut through the line 1. Fig. 4 is a lateral section of the stock cut in the direction shown by line 2, showing the gage-tooth, and how it is held firmly, tightened, or loosened by a screw, *e'*; Fig. 5, gage-head and clamp.

a is a T-shaped gage-bar or stock, having a groove, *b*, to receive a gage-tooth slide-bar, *c*, flush, or nearly so, with the curved finished surface *d*, having a gage-tooth, *e*, secured by turning the head of screw *e'* against the body of the tooth, and a scale marked on its surface to aid in setting the gage-head in the common way. *f* is the gage-head, having a depression or groove of the proper depth and width, with a convex bottom to fit closely and work freely upon the face *d* of the stock *a*. The face of the gage-head *f* is formed so as to work at right angles with the stock. *g* is a grappling-clamp, provided with a thumb-screw,

h. This clamp is placed over the gage-head in the notches *i*. Then the head, with the grappling-clamp, is placed on the bar from one end. The prongs *k* take bearing on the under side of the bar-plate, when the gage will be complete and ready for use as a mortise-gage; or, by removing the head, the gage slide-bar *c* may be turned over, the other edge up, the thumb-piece *m* placed into the orifice *n*. Thus the upper edge will be nearly flush with the face of the gage-bar, to be used as a common gage. By loosening the screw *e'* the tooth *e* may be removed, replaced, adjusted, and again firmly secured in the desired position by turning up the screw *e*, and the head *f* adjusted and secured in its desired position by the screw *h* and clamp *g*. Thus I am enabled to produce a good, cheap, and durable gage.

I am aware of Patent No. 141,014, bearing date July 22, 1873, and hereby disclaim anything shown therein.

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

The combination of the T-shaped bar *a*, grooved head *f*, grappling-clamp *g*, and slide gage-bar *c*, substantially as and for the purpose set forth.

JUSTUS A. TRAUT. [SEAL.]

Witnesses:

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