

J. A. TRAUT.
 Improvement in Carpenters' Gages.
 No. 132,421. Patented Oct. 22, 1872.

Fig. 1.

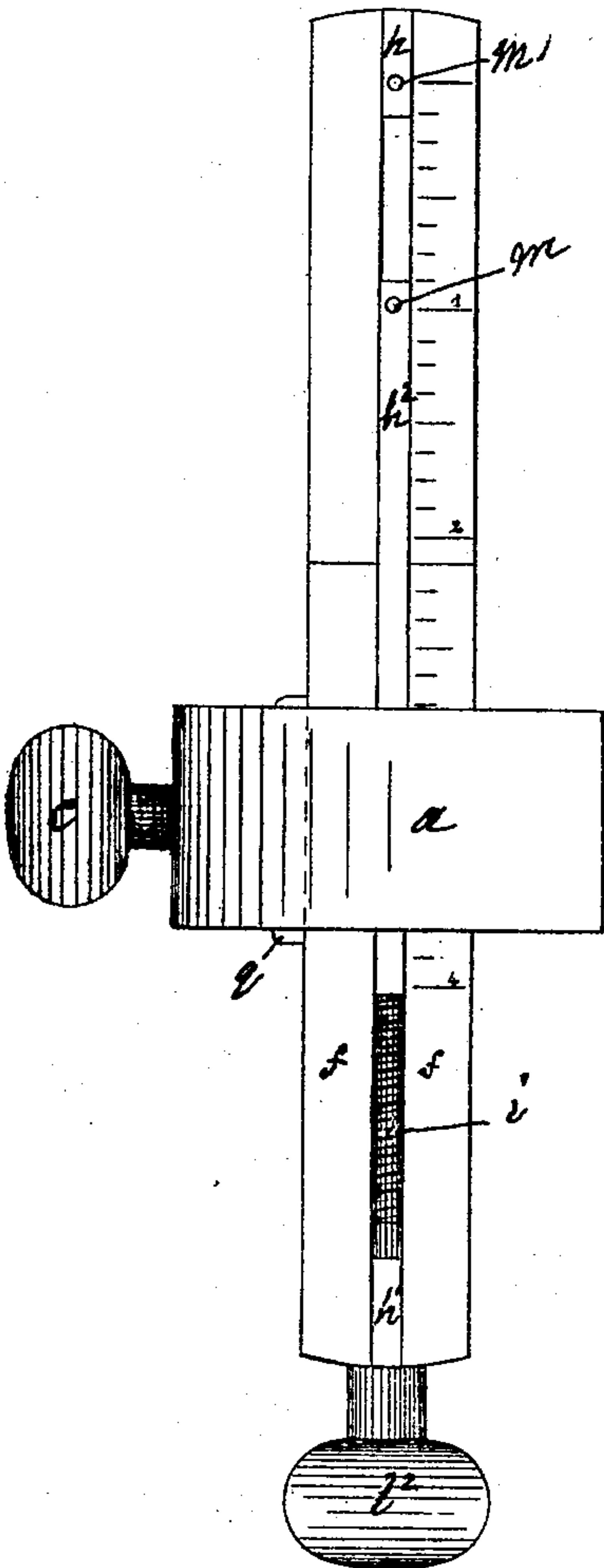


Fig. 2.

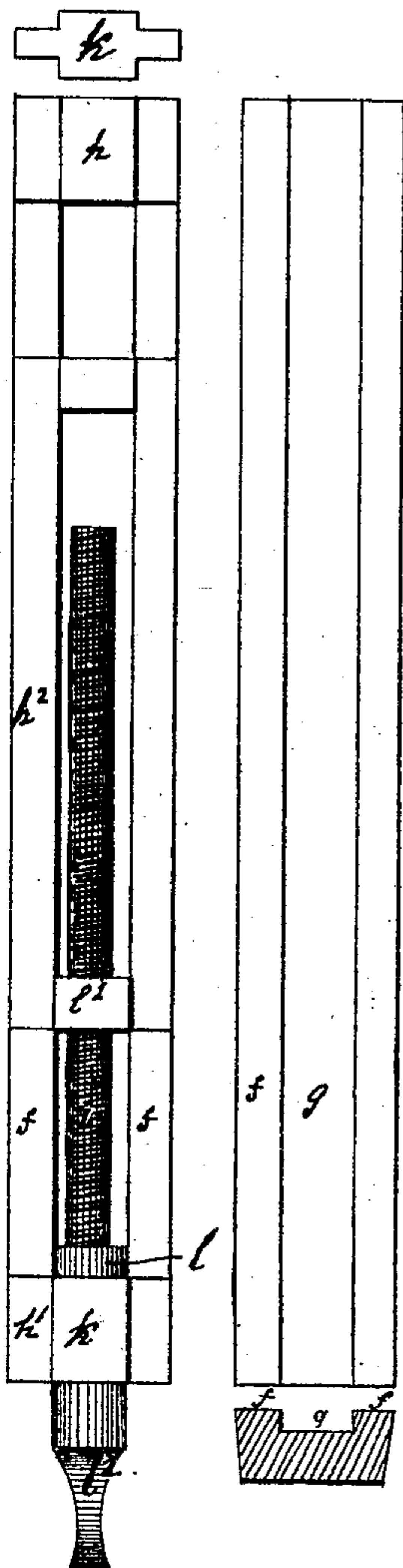


Fig. 5.

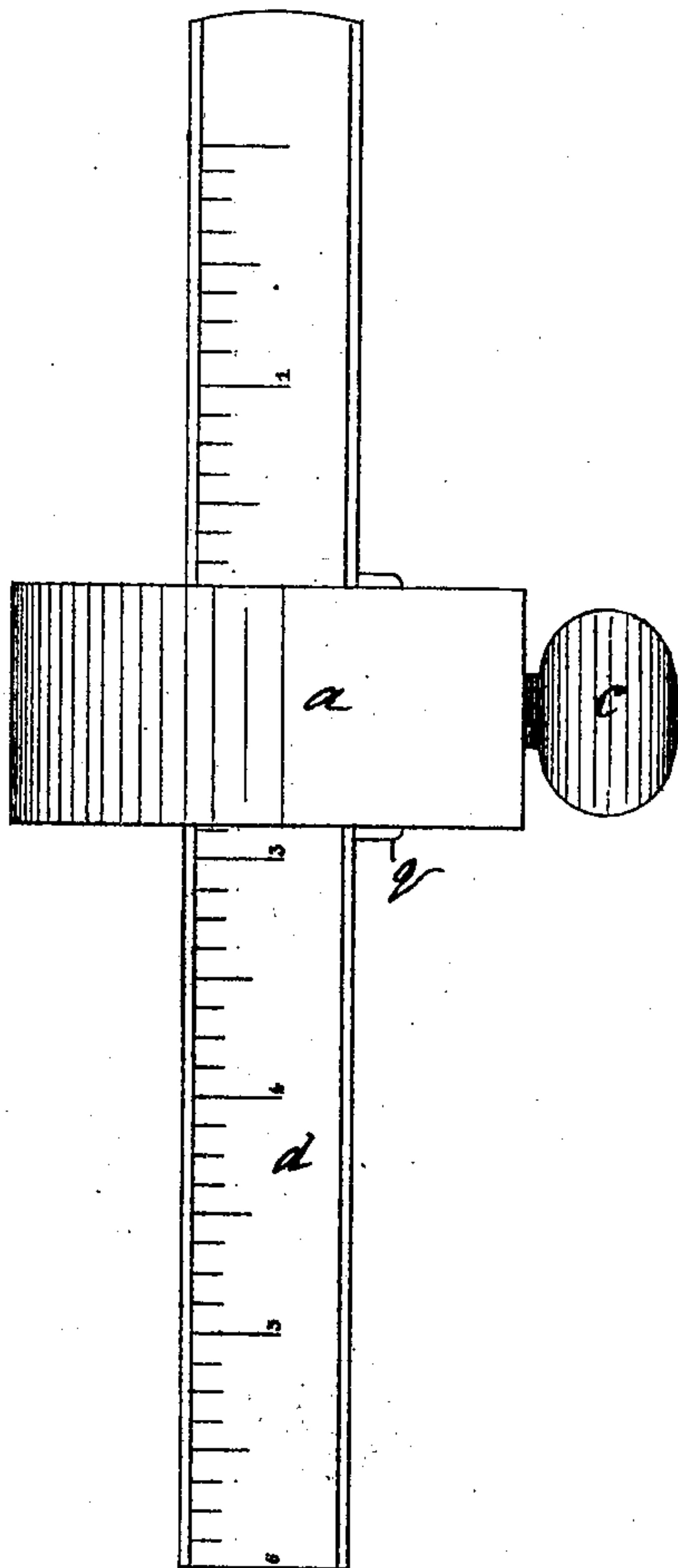


Fig. 3.

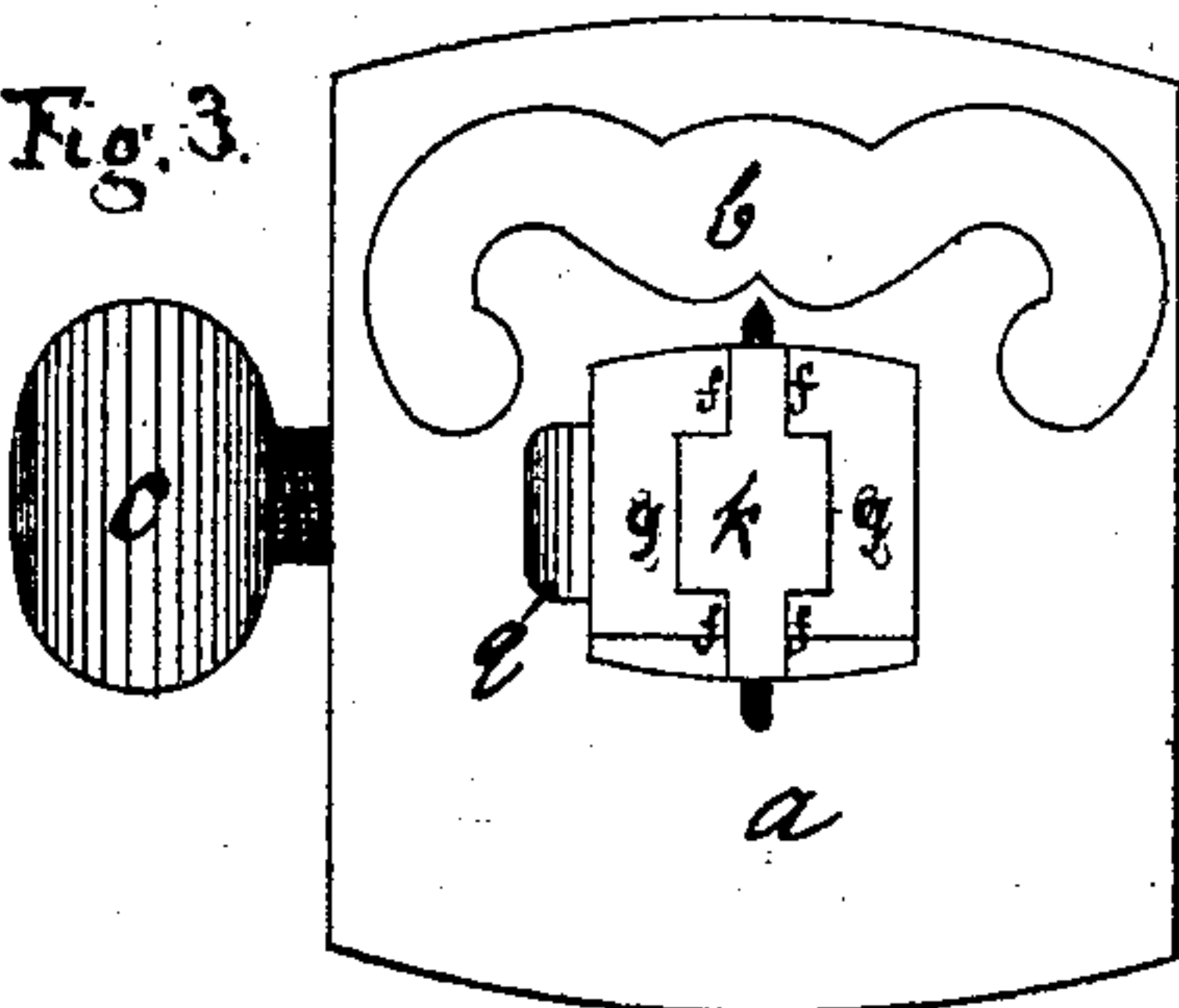


Fig. 4.

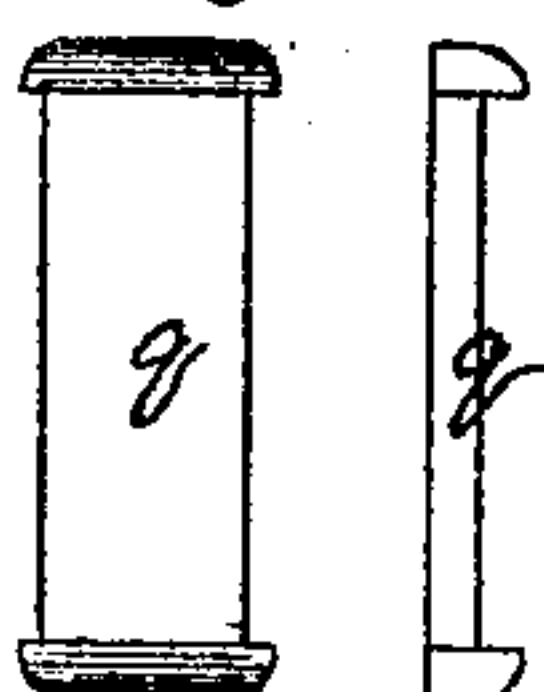
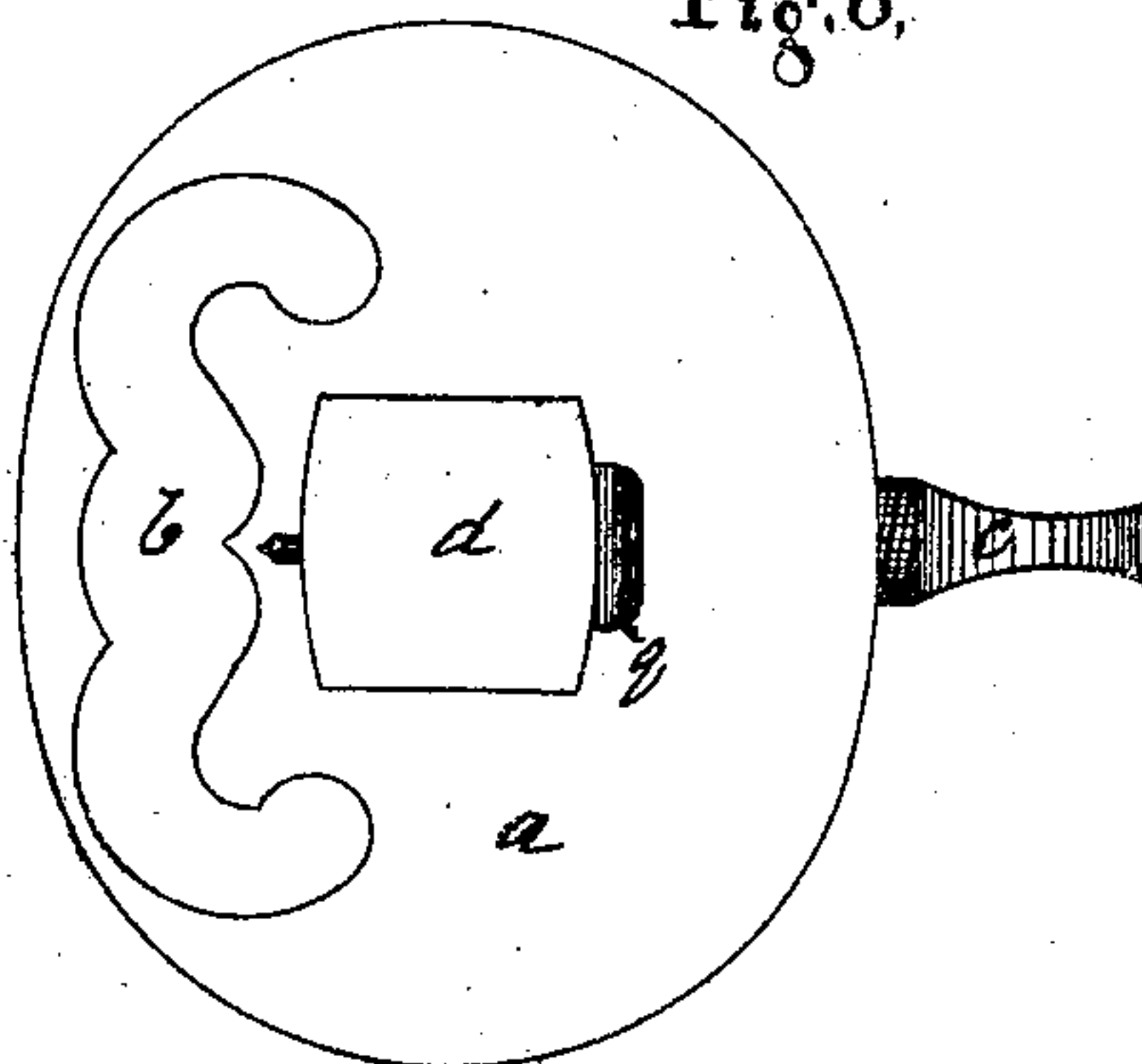


Fig. 6.



Witnesses.

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Justus A. Traut

UNITED STATES PATENT OFFICE.

JUSTUS A. TRAUT, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN CARPENTERS' GAGES.

Specification forming part of Letters Patent No. 132,421, dated October 22, 1872.

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 and use the same I will proceed to describe, referring to the drawing, in which the same letters indicate like parts in each of the figures.

In the accompanying drawing, Fig. 1 shows a side view of a gage made after this improvement; Fig. 2 is the same taken apart to show its several parts; Fig. 3 is a plan view of same; Fig. 4 shows side and end views of the metal gib detached; Figs. 5 and 6 show elevation and plan views of a gage of ordinary construction.

a is the slide-head, having metal plates *b* gaged into and made flush with the faces thereof. *c* is a thumb-screw by which the head *a* is firmly held in the desired position. *d* is a stock made in the common way. *ff* represent my improved stock made in two parts, kept apart the one from the other, each half being provided with a groove, *g*, to receive the metal parts. *h h¹* are metal pieces placed at the ends between the two parts *ff*, and the whole being riveted together after the metal sliding frame *h²* is inserted in its place between the two parts *ff*. *i* is an elongated thumb-screw fitted into a bearing in the hub *k* of the

end piece *h¹*, and is held in place free from endwise play by a screw-collar, *l*, turned up to the end piece and secured, and the screw fitted into a screw-nut, *l¹*, formed in the sliding frame *h²*, so that by turning the thumb-piece *l²* the slide *h²* can be moved with its gage-tooth *m*, inserted through the metal slide *h²*, back and forth at pleasure to any desired position relative to the tooth *m¹* in the end piece *h*. *q* shows a side and edge view of a metal gib fitted to the thickness of the heads *a*. The end pieces *h h¹*, slide *h²*, and gibs are first cast, then compressed in dies to bring them to a uniform width and thickness. A gage provided with these gibs, as shown and set forth, affords perfect security against defacing the stock, and the heads are held more perfectly with less pressure by the thumb-screw. By this mode of manufacture they are made cheaper, better, and more desirable for trade and use.

What I claim as my invention is—

A carpenter's gage constructed, substantially as set forth, of the parts *ff*, metal plates *h h¹*, slide *h²*, and screw *i*, operating in combination with the head *a* and gib *q*, substantially as and for the purpose specified.

JUSTUS A. TRAUT. [L. S.]

Witnesses:

O. S. KELSEY,
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