

*C. Skoll,
Joiners' Gage.*

No. 41,867.

Patented Mar. 8. 1864.

Fig. 1.

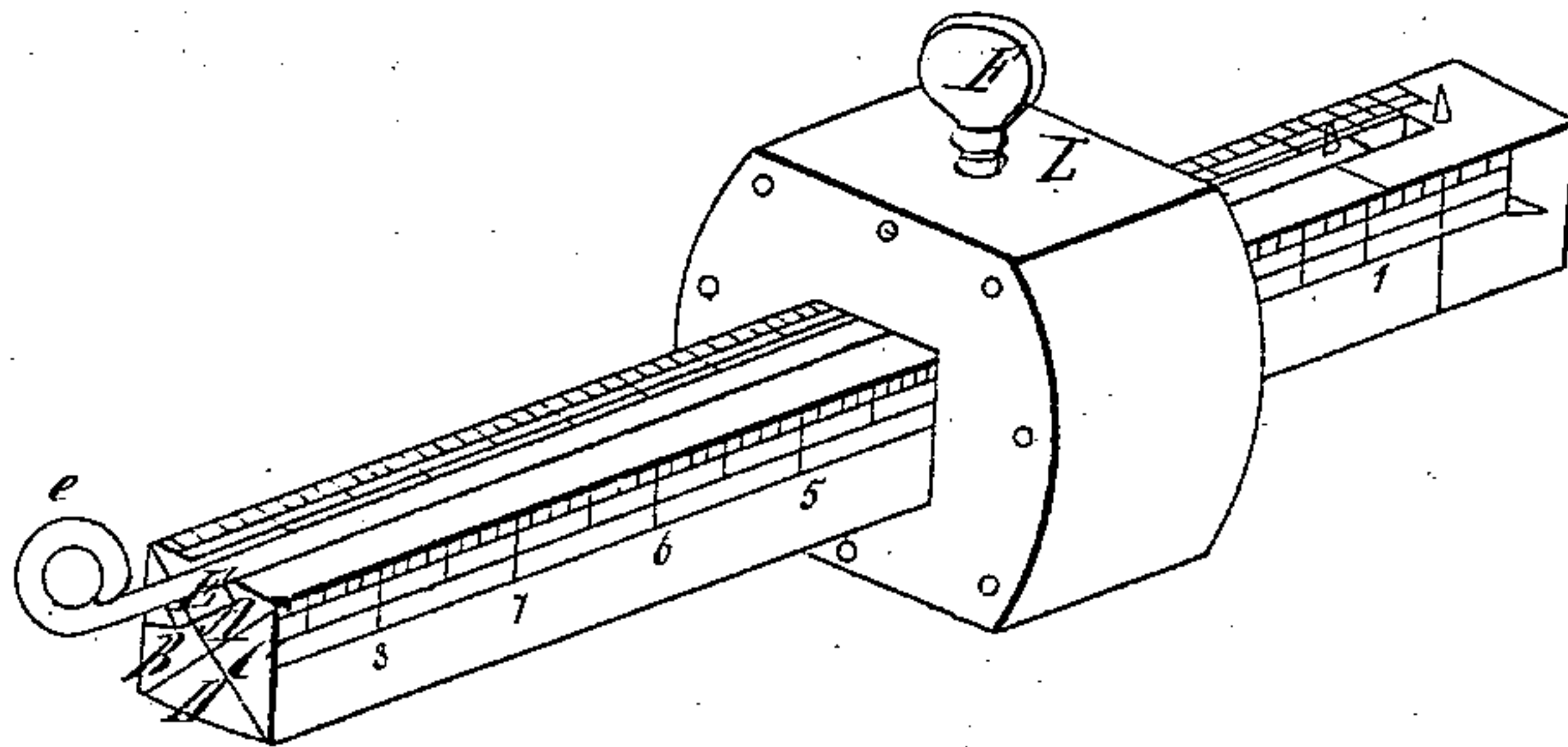


Fig. 2.

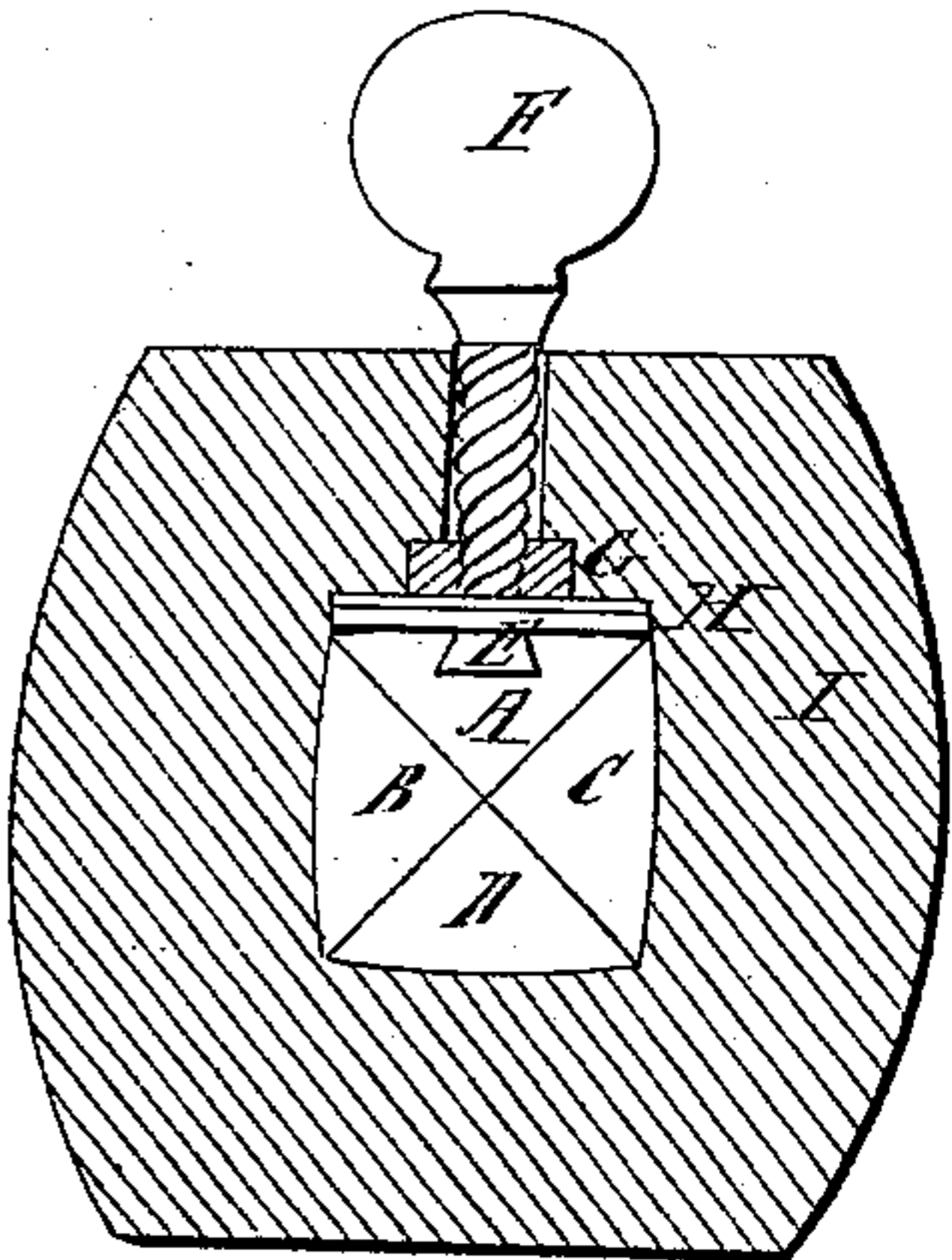


Fig. 3.

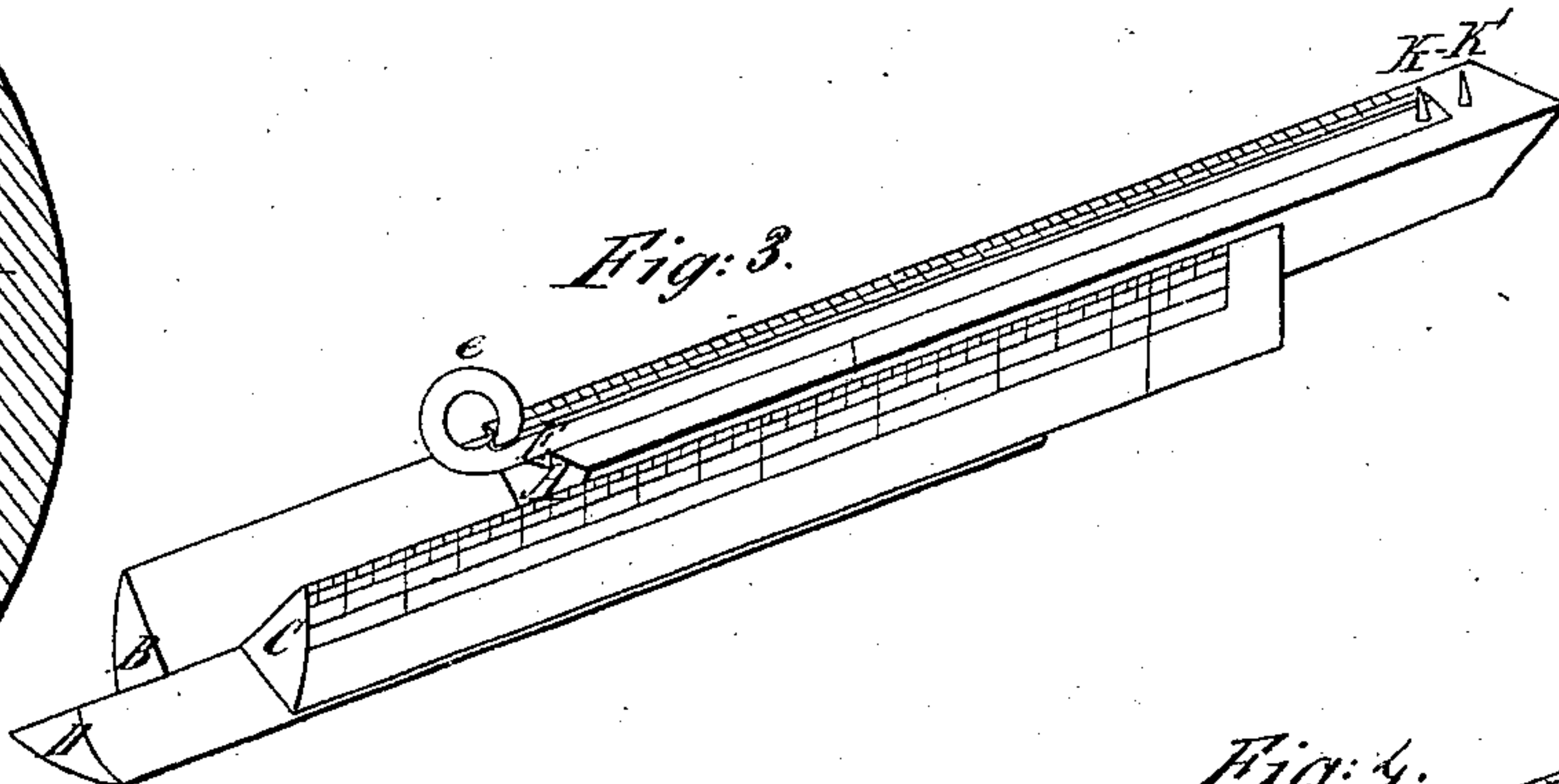


Fig. 4.

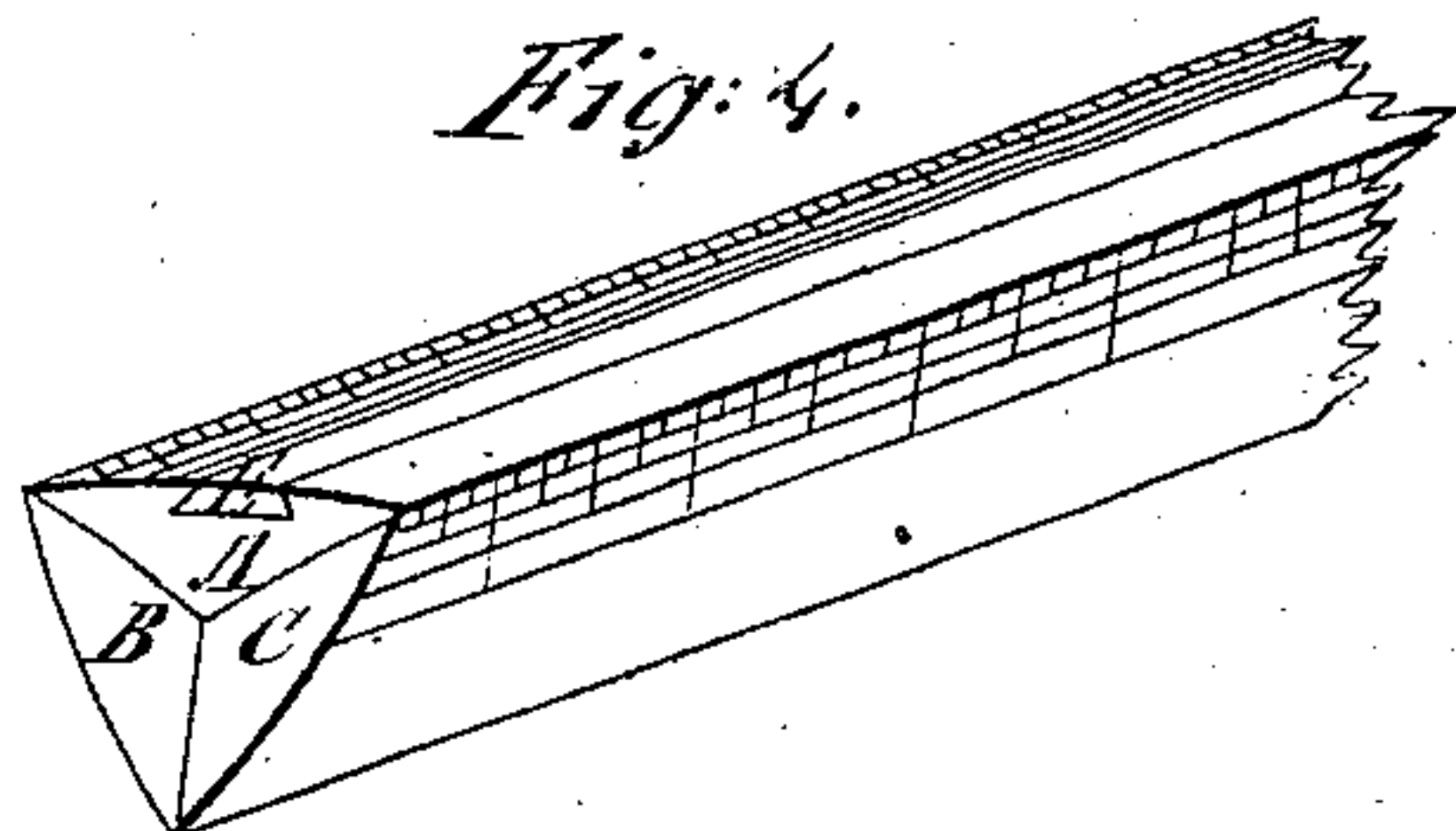
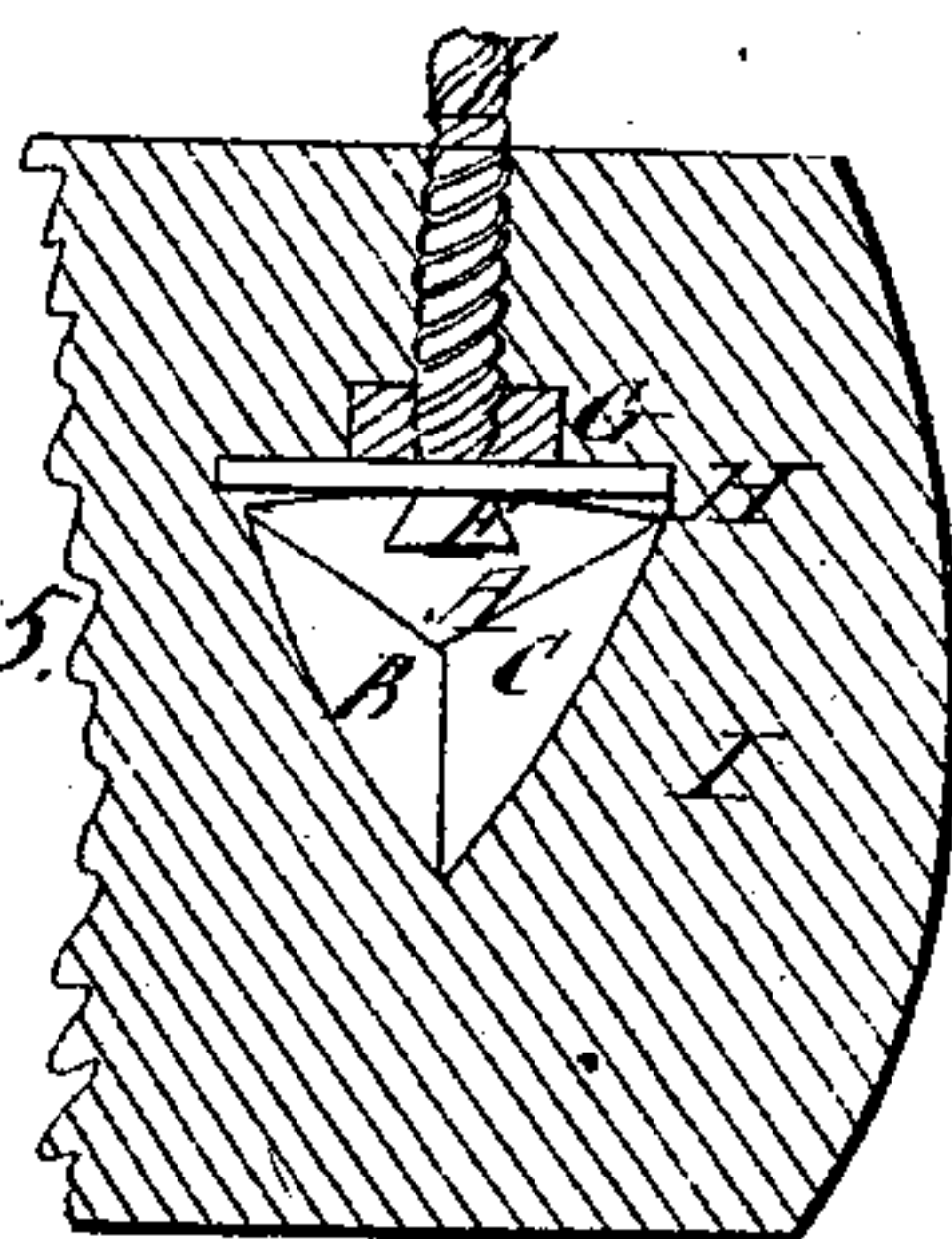


Fig. 5.



Witnesses

*Chas. Re. Fraley
Jacob Stauffer*

Inventor.

Christian Skoll.

UNITED STATES PATENT OFFICE.

CHRISTIAN SHOLL, OF MOUNT JOY, PENNSYLVANIA.

IMPROVEMENT IN JOINERS' GAGES.

Specification forming part of Letters Patent No. 41,867, dated March 8, 1864.

To all whom it may concern:

Be it known that I, CHRISTIAN SHOLL, of Mount Joy, in the county of Lancaster and State of Pennsylvania, have invented a new and useful Gage, combining three or four separate gages into one, together with a sliding mortise or tenon gage, all in one head and operated by a single screw; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the combined gage; Fig. 2, a vertical section across the head I, showing the thumb-screw F, burr G, plate H, inserted in the wood over the stem A, the sliding mortise gage E, and stems B, C, and D. Fig. 3 shows the four stems removed from the head, placed at different gaging distances or positions. Figs. 4 and 5 illustrate the same when but three stems are employed.

The drawings clearly show the construction, and the operation has all the simplicity of an ordinary single gage.

The advantage is that you have the mortise-gage and that of three or four other gages firmly set in one tool, when working out stuff requiring several gages, each stem being independently adjustable, firmly wedged together, and held in place by the thumb-screw F, burr G, and metallic plate H, resting on the upper stem, A, and mortise-slide E. These several stems can be graduated to inches and their divisions capped with brass, and made after the ordinary manner gages with a single stem are made.

Experience has taught me the necessity of having three or four separate gages at hand

on certain work. In order to economize the expense, space on the bench or tool-chest, and the greater convenience in having all in one tool, I was induced to invent this combined gage. The several beveled sides coming in contact may be perfectly flat, or fitted together by a tongue and groove, should that be desirable. The nature of the plane beveled sides, however, is such that the pressure of the screw tends to wedge all the stems against the inside of the mortise in the head made for their reception, as will be seen upon inspection of Figs. 2 or 5. From personal experience I hold this to be a desirable article, and of great utility to joiners, cabinet-makers, &c., and a tool in constant demand for striking parallel lines of various distances from the outer edge, made adjustable in the manner set forth by the sliding of the several stems on each other, combined in a single head.

I am aware that there is no novelty in the gage with its four sides, head, screw, and sliding mortise stem or gage. This is common; but I am not aware that there are any three or four sided gages in use whose separate sides are adjustable by being formed of independent pieces or stems.

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

A gage the stem of which is comprised of three or four separate stems, each independently adjustable, and held by a single thumb-screw, substantially in the manner shown, and for the purpose specified.

CHRISTIAN SHOLL.

Witnesses:

CHAS. R. FRAILEY,
JACOB STAUFFER.