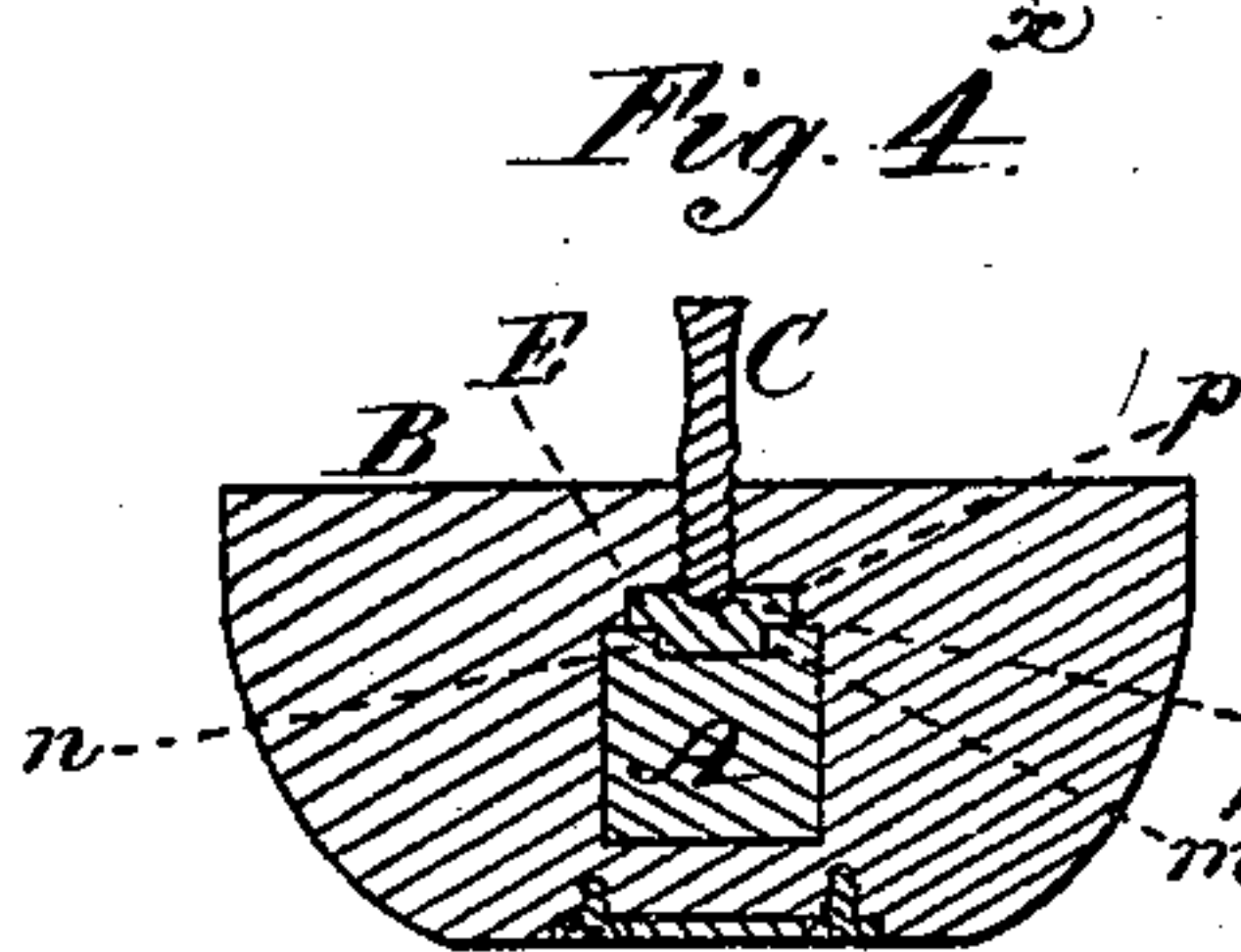
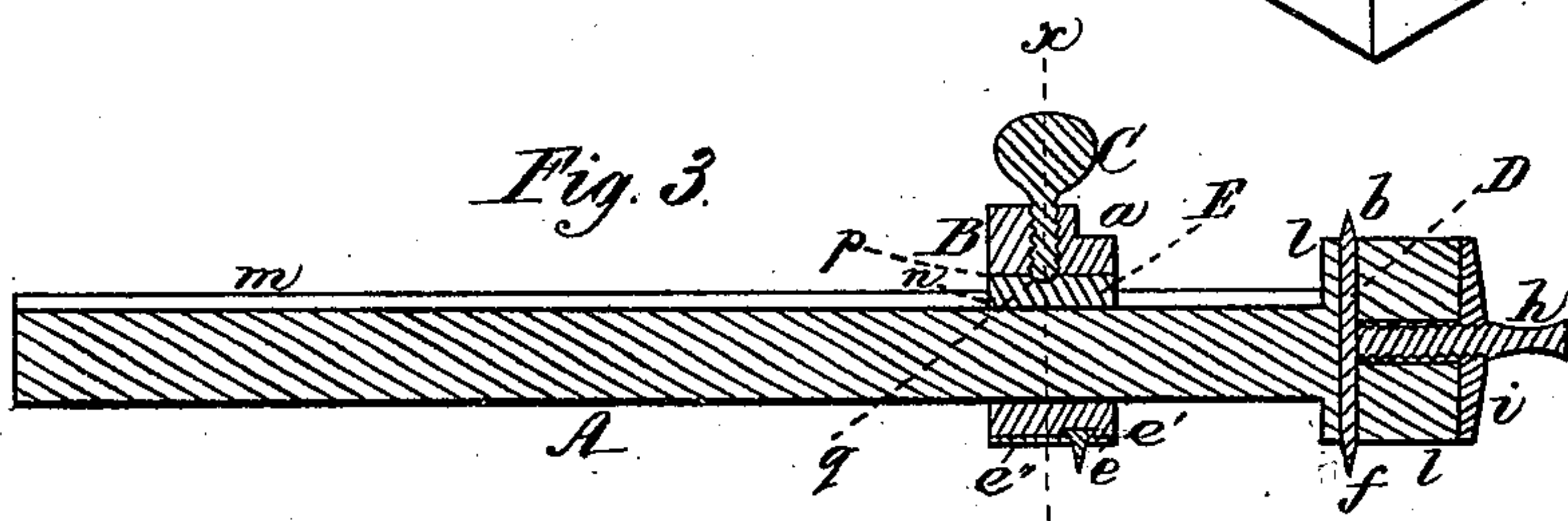
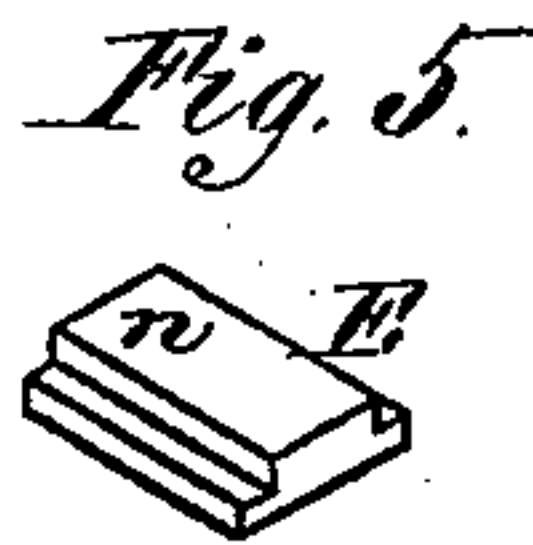
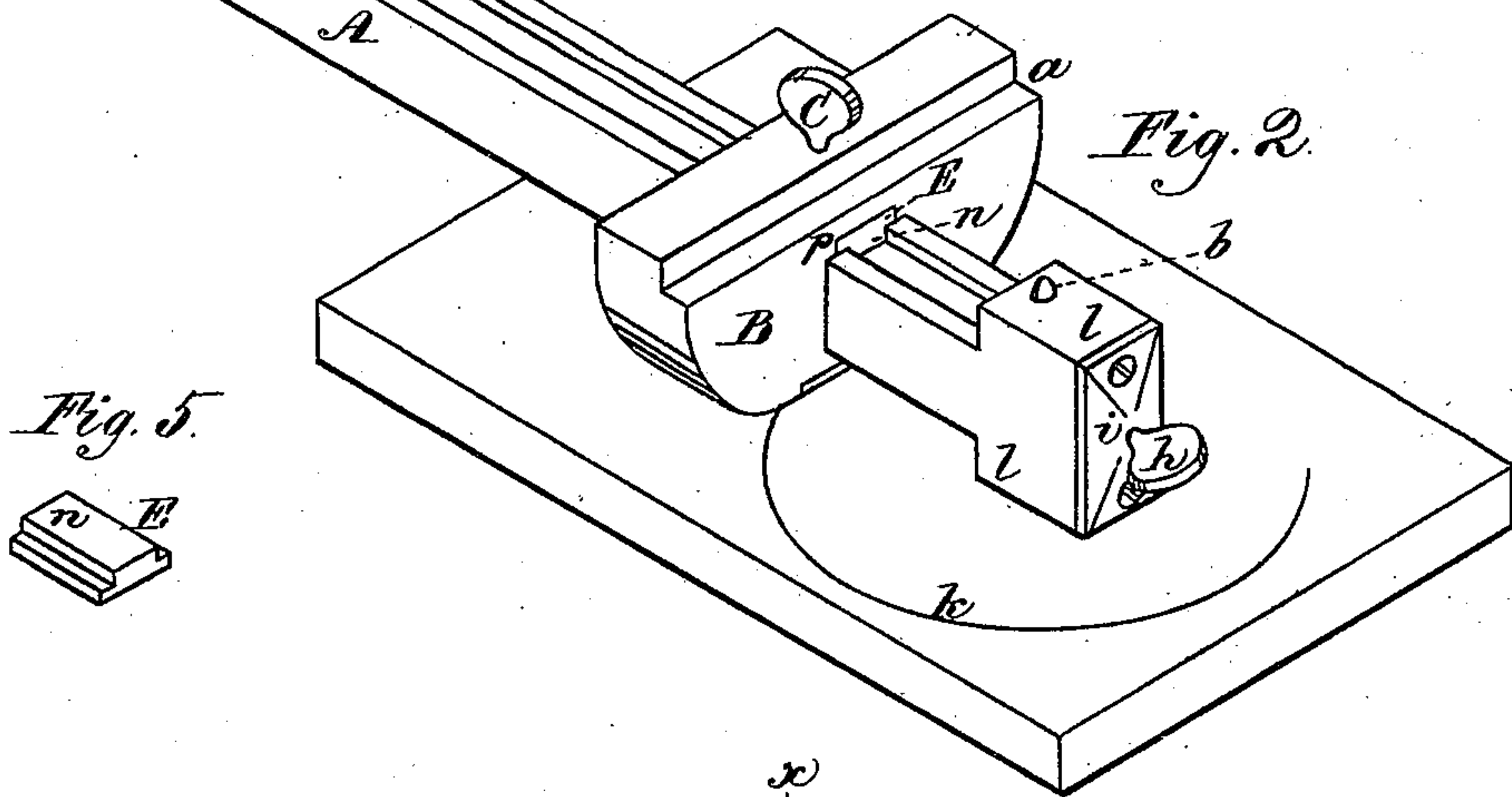
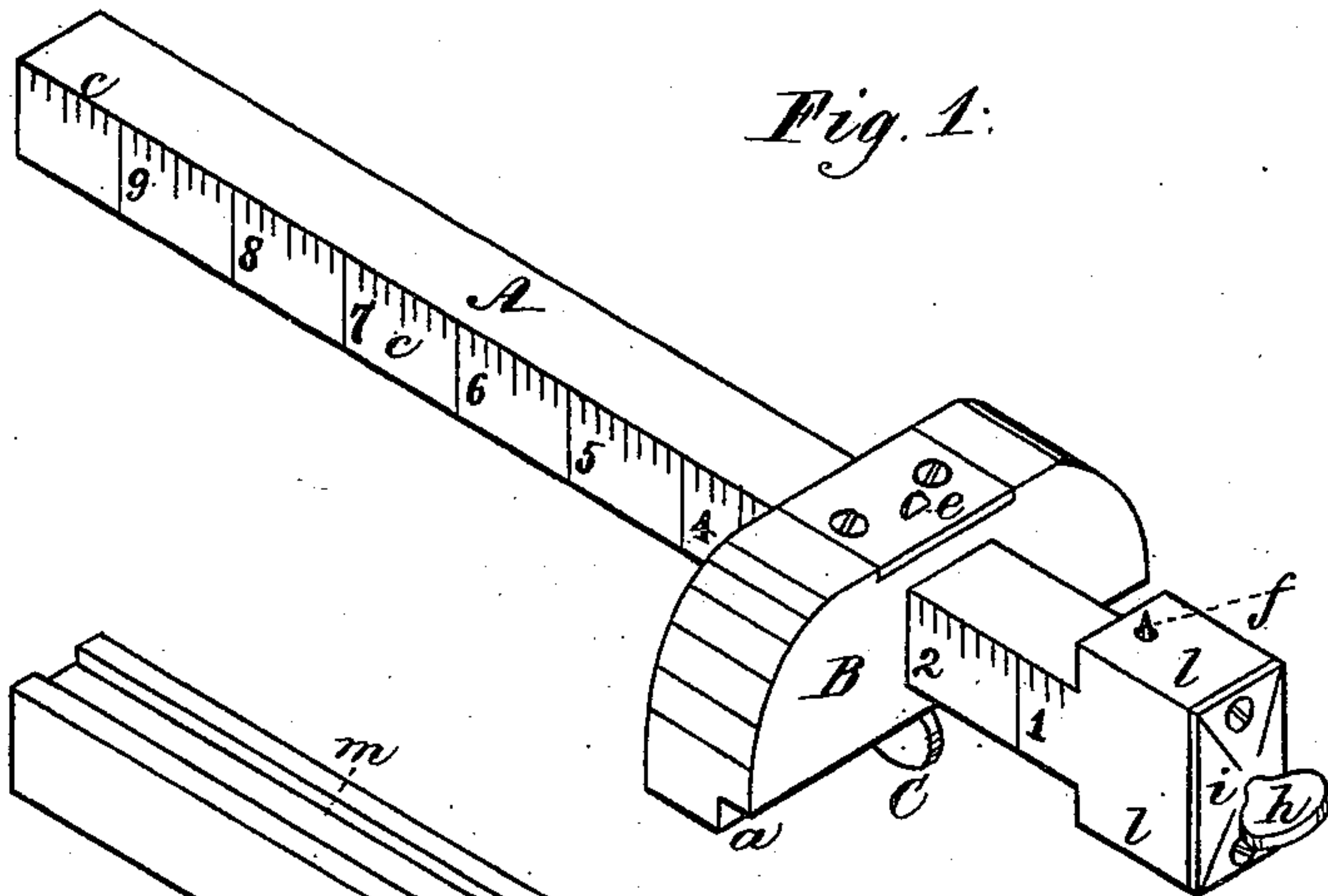


(No Model.)

W. GOODWIN.
Carpenter's Gage.

No. 230,127.

Patented July 20, 1880.



Witnesses,
W. J. Cambridge
J. C. Godfrey.

Inventor,
Wilbur Goodwin
per J. C. Schenck
Atty.

UNITED STATES PATENT OFFICE.

WILBUR GOODWIN, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF
AND DAVID HUSTON, OF SAME PLACE.

CARPENTER'S GAGE.

SPECIFICATION forming part of Letters Patent No. 230,127, dated July 20, 1880.

Application filed April 21, 1880. (No model.)

To all whom it may concern:

Be it known that I, WILBUR GOODWIN, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved
5 Carpenter's Gage, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of specification, in which—

Figure 1 is a perspective view of a carpenter's gage constructed in accordance with my invention. Fig. 2 is a perspective view of the
10 opposite side of the same. Fig. 3 is a longitudinal section through the center of the same. Fig. 4 is a transverse vertical section on the line *xx* of Fig. 3; Fig. 5, detail in perspective.

My invention has for its object to provide a carpenter's gage which, in addition to its usual functions, will describe or cut a circle, thereby
15 enabling me to dispense with the ordinary compass or dividers commonly used; and my invention consists in providing the sliding head with a marking-point or cutter provided with a head inclosed beneath a metal plate, which
20 can be set by adjusting the position of the head upon the stock or handle at any desired distance from the point of a pin projecting transversely from the enlarged end of the stock and secured by a longitudinally-arranged set-
25 screw, which serves as a center around which the tool can be moved to describe or cut a circle.

In the said drawings, A represents the stock or handle of the gage, which is provided, as usual, with a sliding head, B, having a clamping-screw, C, and at one edge a rabbet, *a*, which
30 fits over the edge of a board when the gage is used in the ordinary manner, to make an indented line parallel therewith and at any desired distance therefrom by means of the flattened marking-point *b* at the end of the stock
35 A, which latter is provided on one side with a scale, *c*, to facilitate the setting of the sliding head B at any required distance from the end of the stock. From the side of the sliding head B opposite to that containing the clamping-screw C projects a flattened or double-
40 edged point or cutter, *e*, provided with a head, *e'*, and passing through a plate, *e''*, screwed to the sliding head, thereby securing said cutter

e. From the end of the stock A, on the same side, projects a conical point, *f*, the points *f* and
50 *b* being formed at opposite ends of a pin, D, which slides transversely through an aperture in the end of the stock, and is held firmly in place therein by a clamping-screw, *h*, passing through a metallic plate, *i*, secured to the end
55 of the stock, it being necessary that said screw *h* shall be longitudinally arranged, so as not to interfere with the use of the tool as an ordinary carpenter's gage, the pin D being preferably flattened on one side to afford a better
60 bearing for the end of the screw *h*, and by means of this construction the pin D may be adjusted and clamped so that both of its pointed ends *b* and *f* will project from opposite
65 sides of the stock A, as seen in Fig. 3, or so that one only of the points will project, as may be desired.

When it is desired to strike a circle the conical point *f* is pressed into the wood, and the tool is then grasped and moved around this
70 point *f* as a center, the cutting or marking point *e* being at the same time pressed into the wood so as to mark a circle thereon, as seen at *k*, Fig. 2.

I am aware that instruments have heretofore
75 been made wherein one fixed projecting point has been combined with a moving head bearing another point or cutter to draw or cut in circular lines, and hence I make no claim to such a combination of devices, broadly; but,
80

Having thus described by invention, what I claim as new, and desire to secure by Letters Patent, is—

The stock A, having a head, *l*, transverse adjustable cutter *f b*, and longitudinal set-
85 screw *h*, in combination with the sliding head E, provided with a metal plate, *e''*, inclosing and securing a cutting-point, *e*, provided with a head, *e'*, all constructed, arranged, and operated as set forth.

Witness my hand this 19th day of April,
90 A. D. 1880.

WILBUR GOODWIN.

In presence of—

P. E. TESCHEMACHER,
W. J. CAMBRIDGE.