

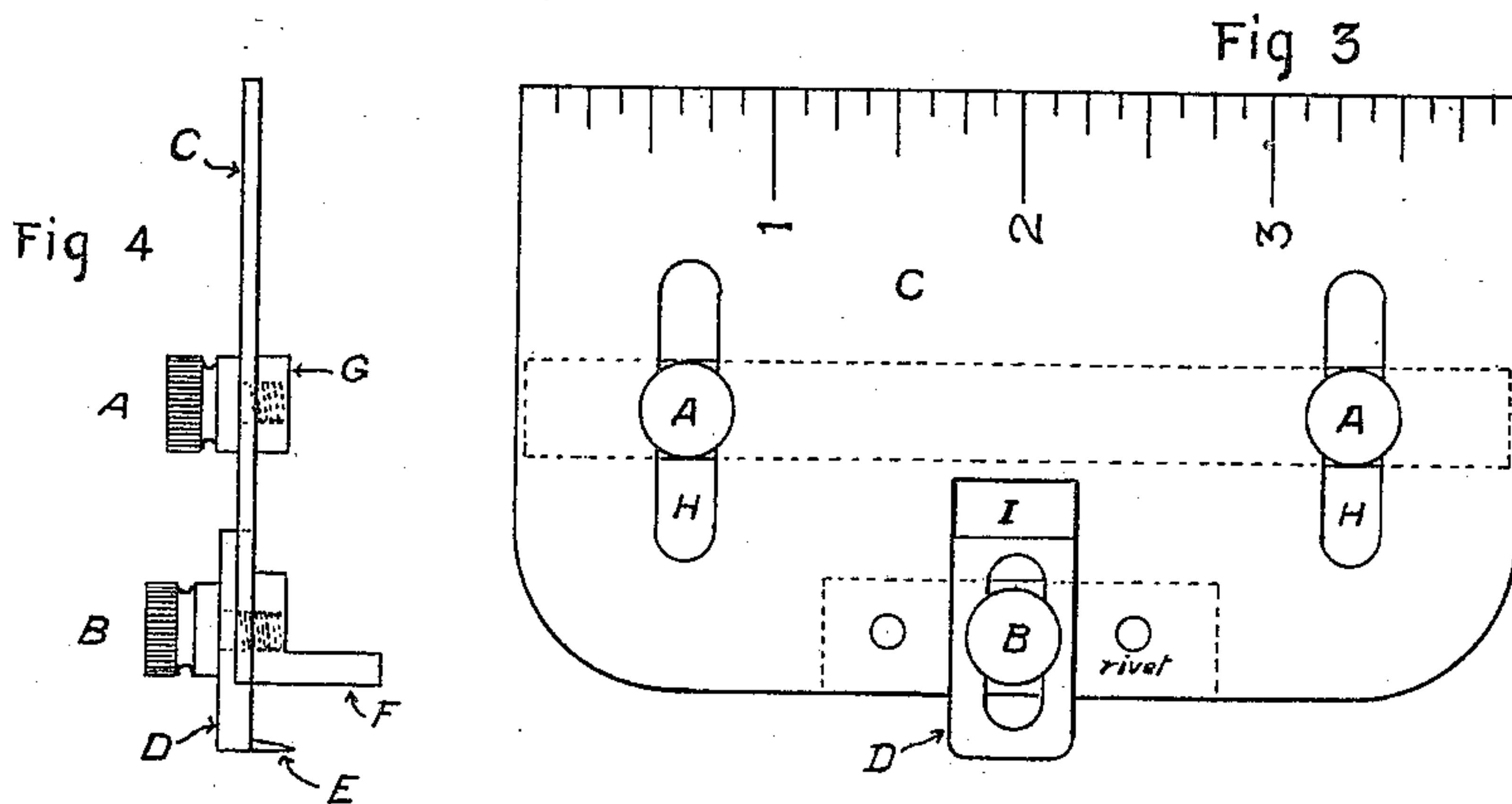
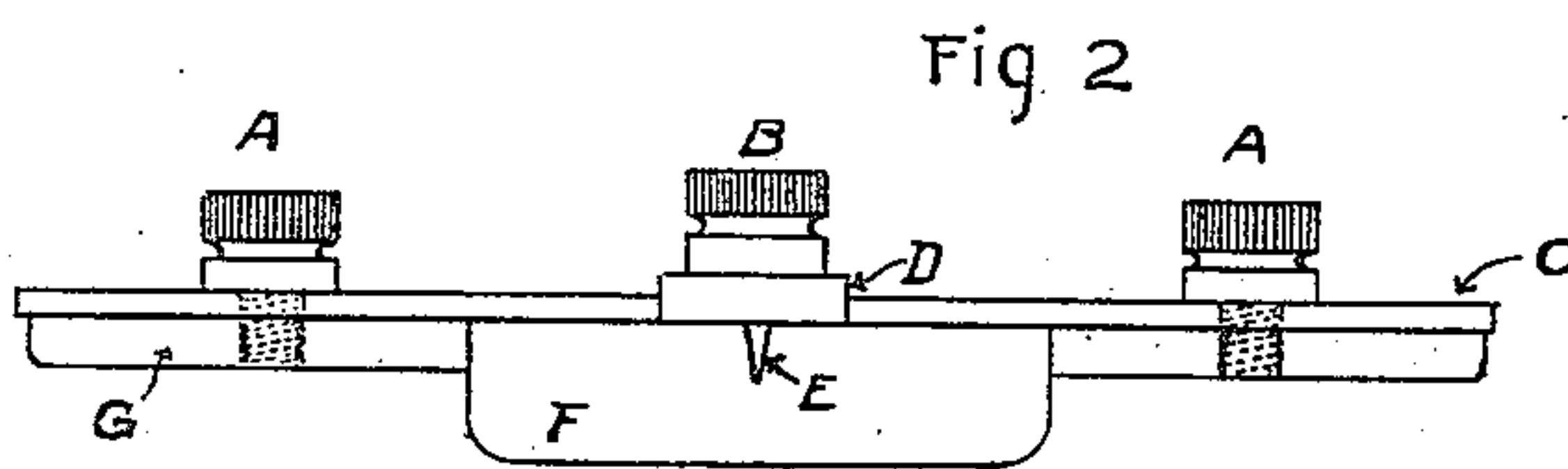
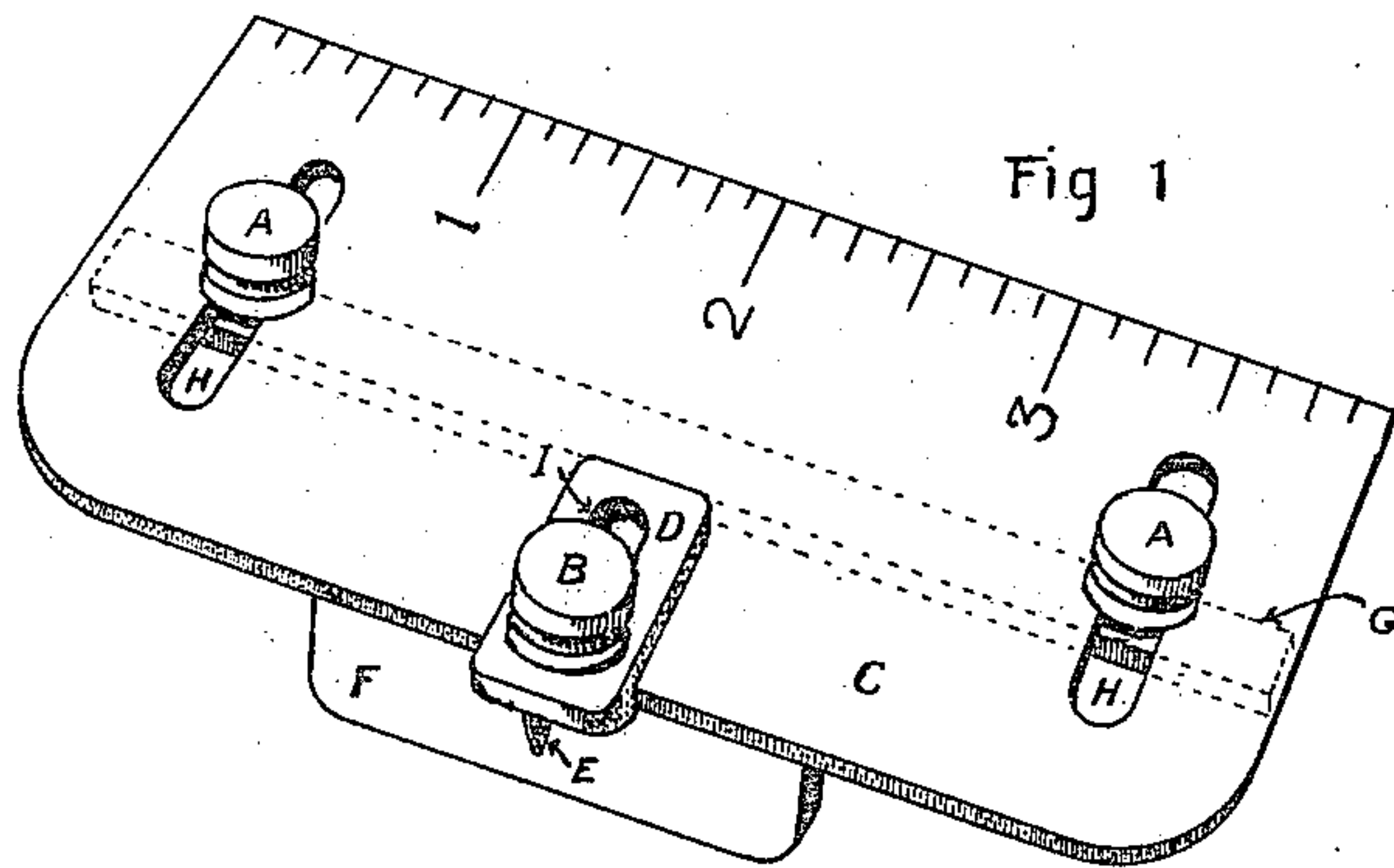
W. RICHARDSON.

GAGE.

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990,502.

Patented Apr. 25, 1911.



Witnesses
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GAGE.

990,502.

Specification of Letters Patent.

Patented Apr. 25, 1911.

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To all whom it may concern:

Be it known that I, WILLIAM RICHARDSON, a citizen of the United States of America, residing at Los Angeles, in the
5 county of Los Angeles, State of California, have invented a new and useful Gage; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled
10 in the art to which it appertains to make and use the same.

This invention relates to gages, particularly to such as are adapted to be employed for marking the outlines of hinge mortises
15 in doors, etc., and it may be said to consist in the novel and improved construction, arrangement and combination of the parts of the gage as will be apparent from the description hereinafter and as set forth in
20 the claim.

Objects of the invention are to provide an article of the character specified which shall be of very simple construction and economical to manufacture as well as strong
25 and durable, light and convenient to handle, easily applied and accurate in use, of a neat appearance, and possessed of features which make it practical and marketable.

Other objects and the advantages of the
30 invention will be apparent to those skilled in the art from a consideration of the following description of the preferred form of construction in which it is embodied, taken in connection with the accompanying drawings, in which,

Figure 1 is a perspective view of the gage, Fig. 2 is a rear elevation thereof, Fig. 3 is a plan view thereof, and Fig. 4 is an end view thereof.

40 The plate C may be formed to provide a straight edge at the front thereof and straight edges at the sides at right angles to the front straight edge. The rear edge of the plate C is preferably parallel with
45 the front edge but the rear corners of the plate may be curved as shown for convenience in handling. The top of the plate C near the front edge thereof may be marked along its length to indicate units and divisions of linear measure, as shown. On the
50 underside of the plate C is adjustably mounted the bar G which has its front edge in parallel with the front edge of the plate and is secured in place by means of pins
55 A, A, having knurled heads and passing

through the parallel slots H in the plate C and screwed into the bar. The slots H are at right angles to the front edge of the plate C so as to permit of the bar G being moved toward or from the front edge of the
60 plate C by simply partially unscrewing the pins A, A, and then moving the bar G to the desired position—the front edge of the bar G always remaining in parallel with the front edge of the plate C—whereupon
65 the pins A, A, may be screwed into the bar G to secure it in adjusted position. It will be understood that at one or both sides underneath the plate C it may be marked to indicate the distance of the front edge of
70 the bar G from the front edge of the plate C so that the width of the hinge mortise being known the bar G may be adjusted in position relatively to the front edge of the plate C according to the width of the hinge
75 and the gage may then be held with the front face of the bar G in engagement with the surface of the door, etc., at right angles to the surface to be marked for the hinge mortise, and the width and length of the
80 mortise may thereupon readily be marked on the last surface. On the underside of the rear of the plate C is provided a downwardly extending guide plate F, which preferably has its rear face flush with the
85 rear face of the plate C, and in a guideway I formed in the plate is mounted a bar D having a longitudinal slot therein and carrying at its end the scriber E. A pin B provided with a knurled head passes through
90 the slot in bar D and may have its lower end threaded to screw into a flange of the guide plate F on the underside of the plate C. It will be apparent that to mark the depth of the hinge mortise on the door,
95 etc., the pin B may be partially unscrewed to adjust the bar D in the guideway I in the plate C to move the operative point of the scriber E to have said point removed from the rear face of the guide plate F to
100 a distance equal to the depth of the hinge mortise, whereupon the pin B may be screwed down to hold the parts in adjusted position and the depth of the hinge mortise may be then marked on the door, etc., by
105 holding the gage with the rear face of the guide plate F in contact with the surface of the door, etc., at right angles to the surface on which it is desired to have the scriber mark the depth of the hinge mortise
110

and then moving the gage with the scriber point pressed against the surface a distance equal to the length of the hinge mortise.

It will be understood that if desired one
5 or both of the sides of bar D may be suitably marked to indicate the distance of the operating point of the scriber from the rear face of the guide plate F.

I claim:

10 A gage comprising in combination a plate formed to provide a straight edge at the front thereof and straight edges at right angles to the front straight edge, said plate provided with parallel slots therein, a bar
15 on the underside of the plate having the front edge thereof parallel with the front edge of said plate, pins passing through

said parallel slots and screwed in said bar, a downwardly extending guide plate on the underside of the rear of said plate, a bar 20 mounted in a guideway formed in said plate, said bar having a longitudinal slot therein and carrying a scriber at the end thereof adjacent to said guide plate, and a pin passing through said longitudinal slot 25 and having its lower end threaded to screw into a part on the underside of said plate, substantially as described and for the purposes set forth.

WILLIAM RICHARDSON.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
