

D. M. BARNETT.
SCRIBING TOOL FOR CARPENTERS, &c.
APPLICATION FILED NOV. 23, 1903.

Fig. 1.

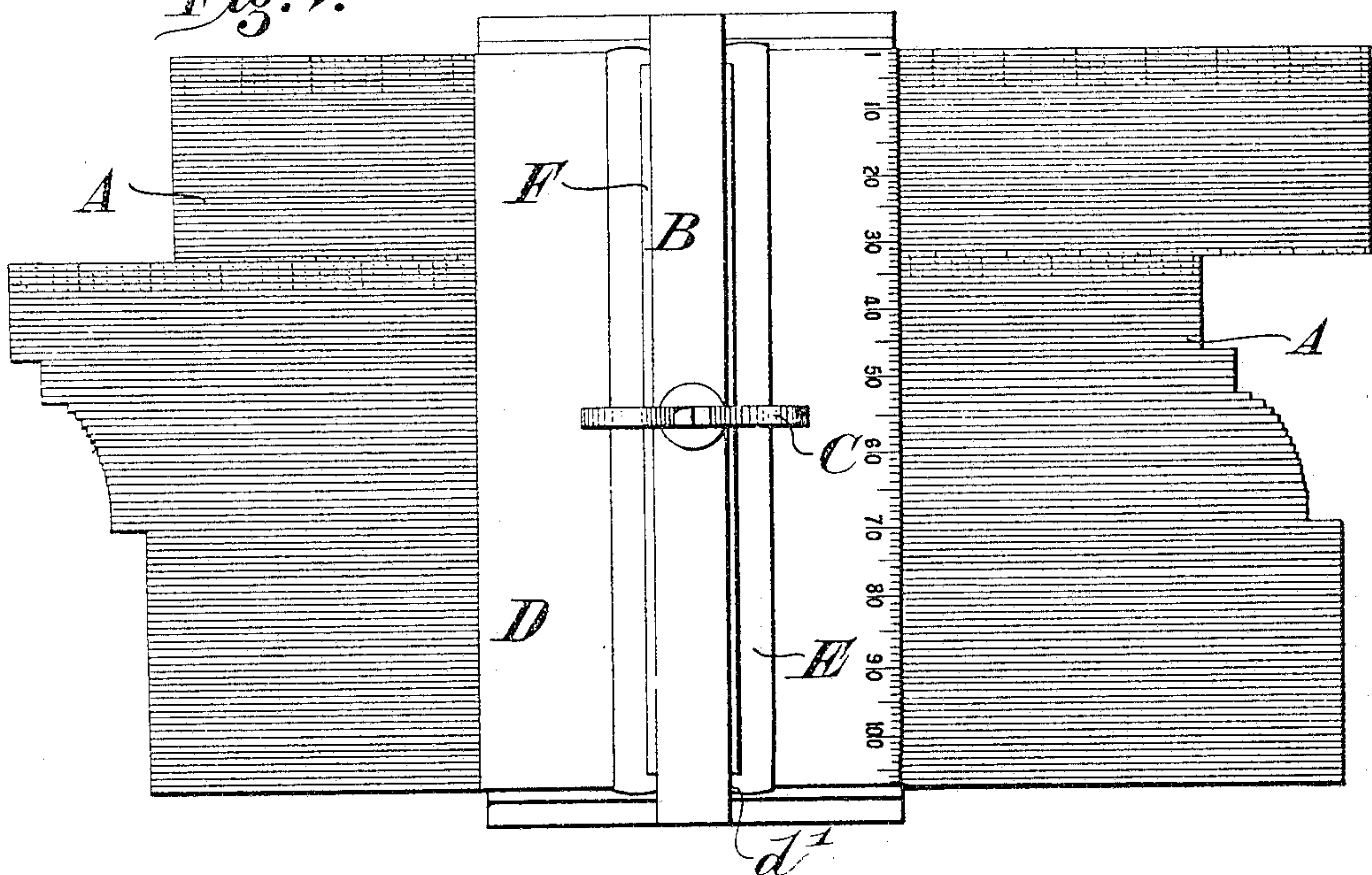


Fig. 2.

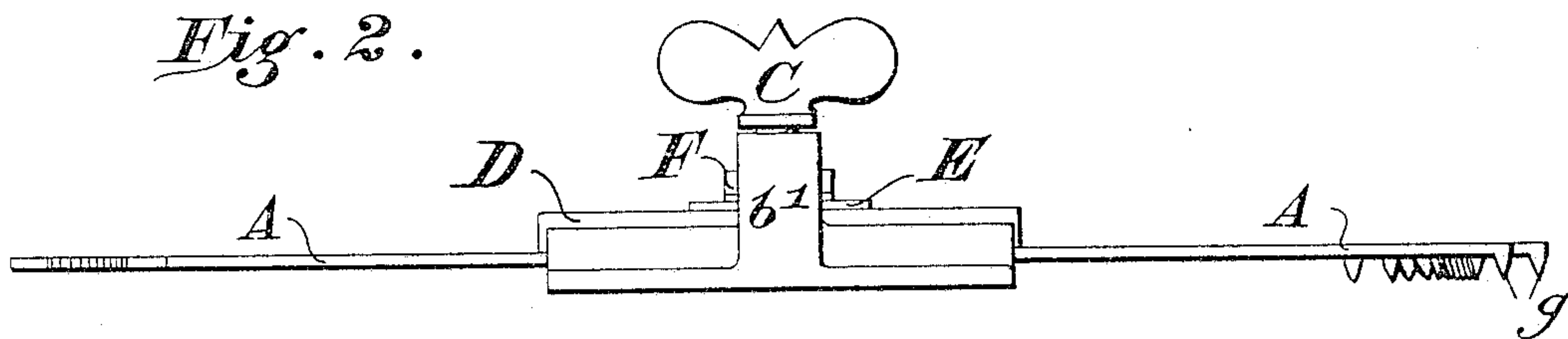


Fig. 3.

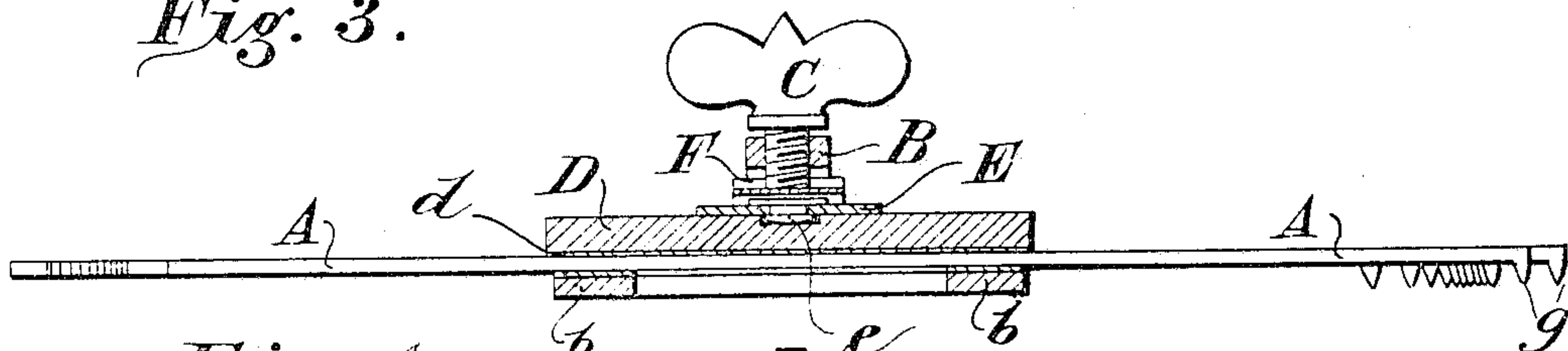
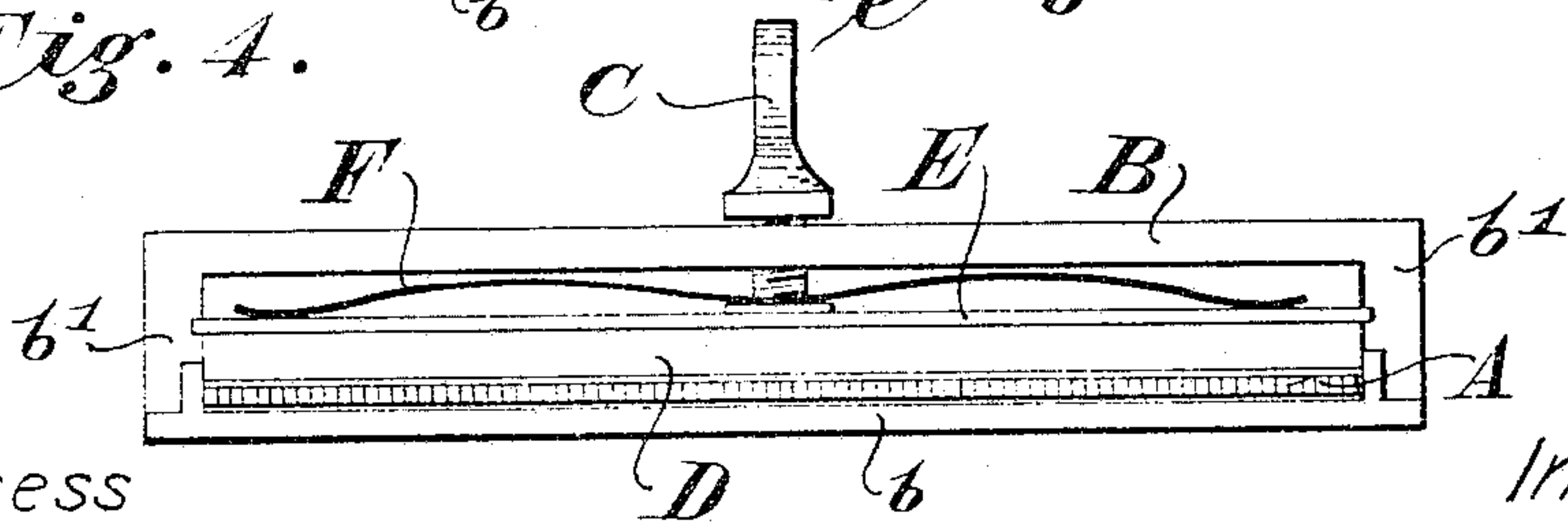


Fig. 4.



Witnessess

Inventor

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SCRIBING-TOOL FOR CARPENTERS, &c.

SPECIFICATION forming part of Letters Patent No. 787,142, dated April 11, 1905.

Application filed November 23, 1903. Serial No. 182,353.

To all whom it may concern:

Be it known that I, DANIEL MITCHELL BARNETT, a British subject, residing at 111 Flinders Lane, Melbourne, in the State of Victoria, Australia, have invented an Improved Scribing-Tool for Carpenters, Plasterers, Stone-Masons, and Others, of which the following is a specification.

Hitherto considerable difficulty has at times been experienced by carpenters, plasterers, and others in laying out or scribing the exact contour or shape of a molding, skirting, cornice, or other irregular outline, and a great deal of valuable time is generally wasted in doing it. This improved scribing-tool has been devised in order to simplify this operation.

Referring to the accompanying drawings, Figure 1 is a plan, and Fig. 2 a side elevation, of my improved scribing-tool, while Fig. 3 is a longitudinal section, and Fig. 4 an end elevation thereof.

The same letters of reference indicate the same parts in all the figures.

The essential feature of my improved scribing-tool consists in the employment of a number of wires, rods, or needles A A, arranged parallel to each other and adapted to either slide longitudinally through a holder or frame B or be clamped in position by means of a suitably-arranged set-screw C or otherwise. These longitudinally-sliding rods, wires, or needles (which may be square, round, or other preferred shape in cross-section or which may be arranged to engage with and slide upon each other) are passed through the stout metal or other frame B and are held against the bottom b of said frame by means of a presser-plate D, preferably covered on the under side with leather, as indicated at d. Across the top of this presser-plate is a metal bearing-plate E, having a central boss or projection e, engaging with a recess in said presser-plate and having its outer ends forked, as indicated at e', and arranged to engage with the side bars or supports b' of the metal or other frame above referred to. A flat pressure-spring F bears upon the presser-plate above referred to and can be forced down with any degree

of pressure by means of the set-screw C or its equivalent, so that the wires A may be gripped rigidly between the frame and the presser-plate, as required, or the pressure on said wires may be released, so that when their ends are pressed against a molding or other irregular outline required to be reproduced or scribed for any purpose they will be pushed back more or less, according to the projections on said molding or other outline, as indicated in Fig. 1, and can then be clamped and used for the purpose of scribing the outline by means of a pencil or the like, the entire operation taking very little time and giving an exact reproduction without resorting to measurements of any kind.

If preferred, the ends of the wires A may be bent down and pointed, as at g, so that they can be pressed down onto a board or other article to be shaped or scribed, and will thus give the desired outline or contour with a minimum loss of time.

Two or more of the scribing-tools above described may be secured side by side if it is required to scribe the shape of an extra wide piece of molding, for instance, or a narrower tool may be used by taking the width of the article to be scribed in parts or sections.

If required, the wires, rods, or needles A A may be graduated in parts of an inch or other measurements, and the edge of the presser-plate D may be numbered, as illustrated in Fig. 1, to correspond with the numbers of the wires. The contour of the molding, profile of a person's face, or other article to be reproduced could then be read off and noted, written down, and transmitted by telegraph or otherwise to the workshop or other place where it was to be reproduced.

It is obvious that the tool above described can be used for measuring and marking miters by arranging the wires so that their ends correspond to the angle of the desired miter, while by pointing the ends of the wires one of them could be used as a pivot or center, while another could be used to scribe a circle of the desired size.

Having now particularly described and ascertained the nature of my said invention and

in what manner the same is to be performed, I declare that what I claim is—

1. In a scribing-tool, a series of rods or wires, a holder through which said rods pass, a clamp comprising a set-screw adapted to take through said holder, a presser-plate on which said set-screw acts so as to bear upon said rods or wires, said presser-plate arranged transversely of the rods or wires, and mechanism intermediate of said presser-plate and the set-screw whereby said rods are adjustably secured in the holder when the set-screw is released, substantially as shown and in the manner described.

2. In a scribing-tool, the combination of a series of rods or wires, a holder through which said rods or wires pass, a presser-plate arranged transversely of said rods, a metal bearing-plate having forked ends engaging with the sides of the holder and bearing on the presser-plate, means for clamping said plate down upon the rods, and a spring intermediate of the means and said metal bearing-plate whereby the rods are adjustably secured in place when the means for clamping said plate has been released, substantially as shown and for the purpose specified.

3. In a scribing-tool, the combination of a series of rods or wires provided with bent pointed ends, a holder through which said rods pass, a presser-plate arranged transversely of said rods, a metal bearing-plate having forked ends engaging with the sides of the holder and bearing upon the presser-plate, a set-screw

adapted to take through said holder and bearing upon the presser-plate whereby the rods are permanently held in place, and mechanism intermediate of the set-screw and said bearing-plate whereby the rods are adjustably held in the holder, substantially as and for the purpose described.

4. The herein-described scribing-tool, comprising a series of rods having graduations thereon, a holder through which said rods pass, said holder provided with graduated marks corresponding with the number of rods in the holder, a clamping mechanism within said holder and arranged transversely of said rods, whereby an even pressure is maintained throughout the holder, substantially as and for the purpose specified.

5. In a scribing-tool, a series of rods or needles provided with graduations, a holder through which said rods pass, said holder having graduated marks corresponding with the number of rods passing through said holder, a clamp for permanently holding said rods in place, and mechanism whereby said rods are adjustably secured within the holder, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DANIEL M. BARNETT.

Witnesses:

PERCY HEDGES,
LANCELOT E. DE MOLE.