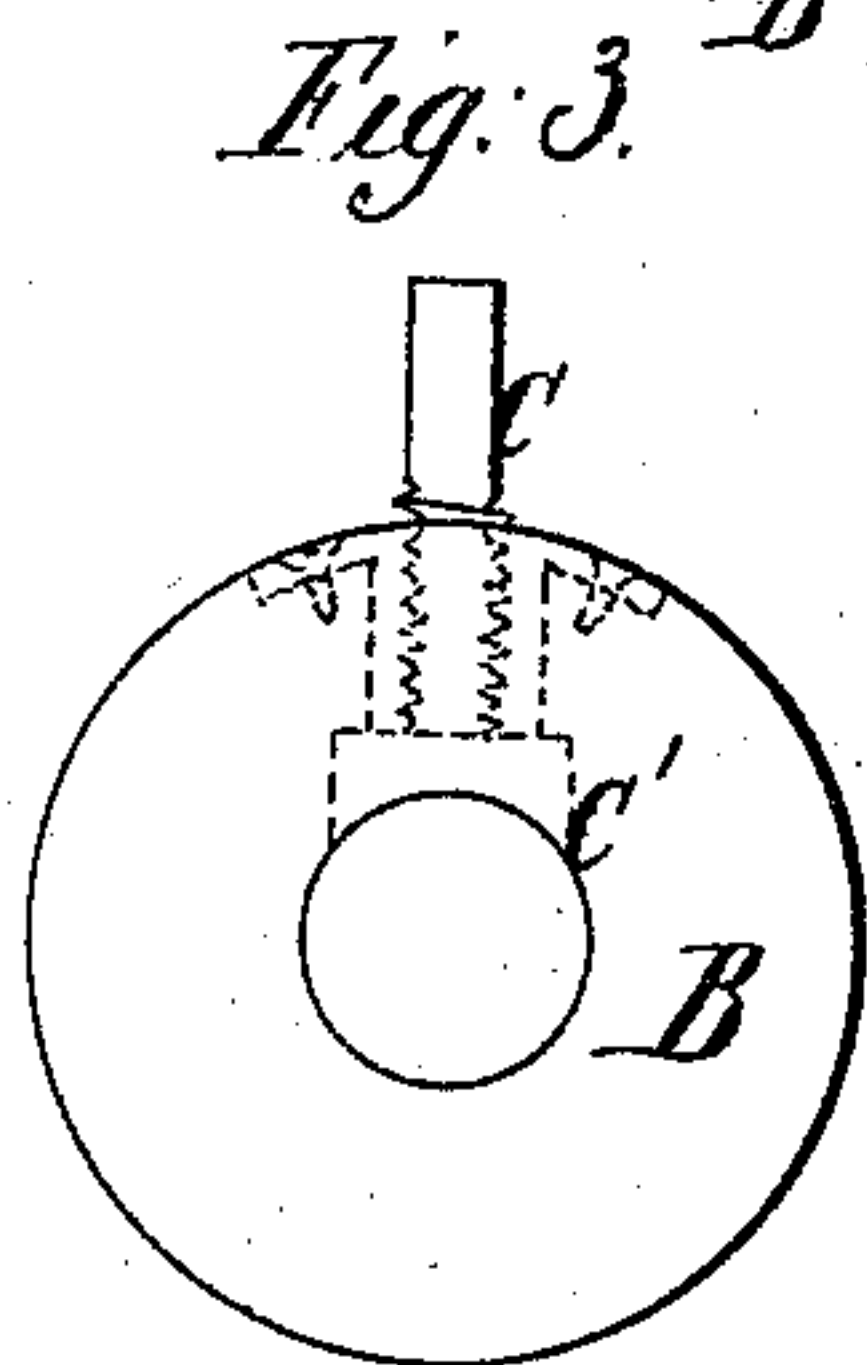
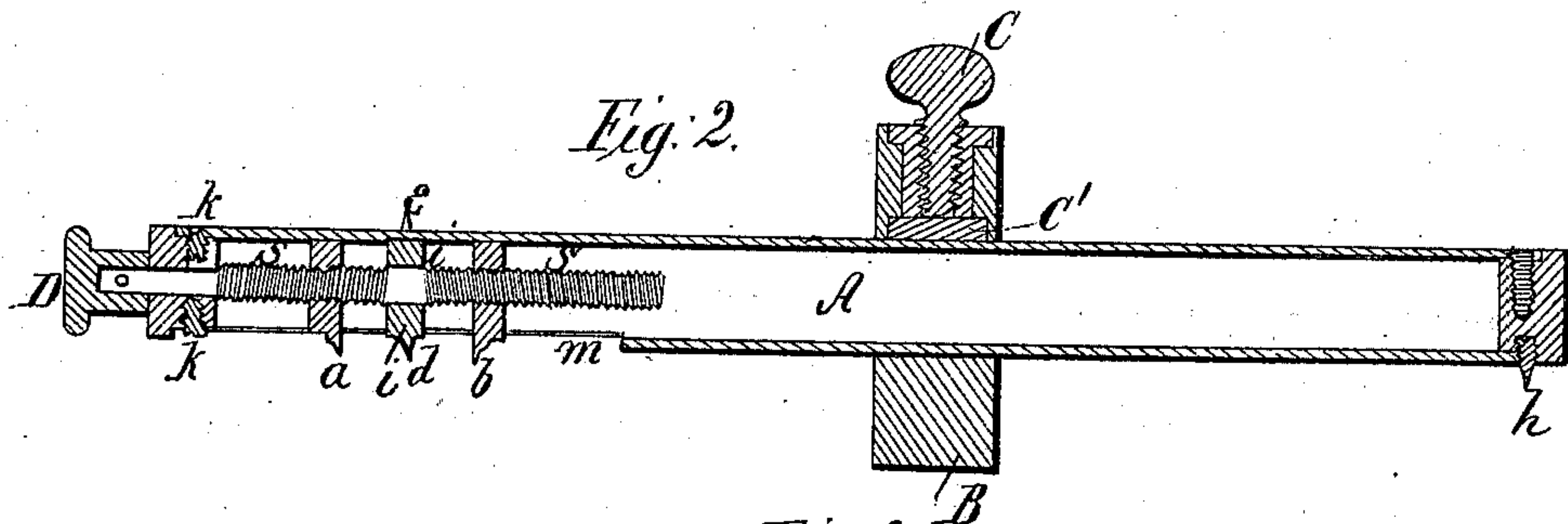
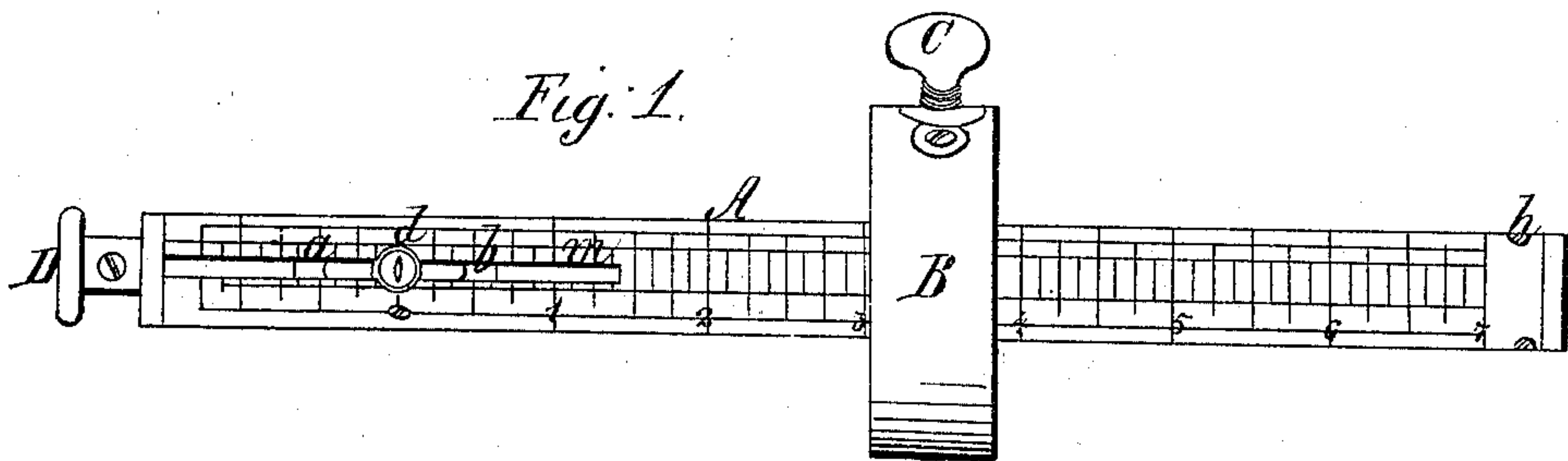


G. Kenny

Gauge and Dividers

N^o 98,504.

Patented Jan. 4, 1870.



Witnesses;
Austin S. Nowarth
M. S. E. Wilde

Inventor;
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by his atty
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United States Patent Office.

GEORGE KENNY, OF NASHUA, NEW HAMPSHIRE.

Letters Patent No. 98,504, dated January 4, 1870.

IMPROVEMENT IN GAUGE AND DIVIDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern :

Be it known that I, GEORGE KENNY, of Nashua, county of Hillsborough, and State of New Hampshire, have invented an Improved Divider and Combination Gauge; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, in which—

Figure 1 is a plan view of my improved gauge;

Figure 2 is a longitudinal section of same; and

Figure 3 is a section of guide-block.

The object of my invention is to produce a combined divider and gauge for carpenters' and others' use, which shall possess the advantages of the ordinary gauge, the splitting-gauge, and a dividing-gauge, for marking mortises and other purposes.

The nature of my invention consists in a dividing-gauge, formed by two points, one each side of a fixed point, actuated by a right-and-left screw, so that in setting the gauge, the points are moved equidistant from the fixed point; also, in a double screw, one point of which forms a splitting-gauge; and in the combination of an adjustable dividing-gauge, ordinary gauge, and splitting-gauge.

In the drawings—

A is a cylinder, and is the gauge.

B is the gauge-block, adjusted by set-screw C and clamp C'. This clamp prevents the screw injuring the cylinder.

E is a fixed gauge-point, as in ordinary gauges.

d is also a fixed point, opposite E.

a and b are movable gauge-points, equally distant in opposite directions from d.

Passing through the bases of points a b, are right and left-hand screws, S and S'. These screws turn in journal i, and are operated by knob D.

K K are set-screws, the use of which is to tighten the working of knob D, or a piece of leather may be placed under screw S if it turn too loosely.

h is a double screw, serving as a head to prevent block B from slipping off the cylinder, and as a splitting-gauge when reversed.

The points a b move in slots m.

The cylinder is provided with a scale, so that by simply turning knob D, the points a b are readily set at any distance desired from fixed point d. The advantages of this are apparent, especially when it is desired to strike out mortises, for the point d, being the centre, the workmen can at once place the point of the bit upon the centre.

The advantages of the whole combination are obvious, from the fact that one tool takes the place of three.

The operation is simple, the construction reasonably cheap, and the tool durable.

I am aware that no novelty exists as to the cylinder in a gauge, or to the block B, turning upon the cylinder or to the clamp C'; but

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

1. A dividing-gauge, consisting of adjustable points a b, right-and-left screws S and S', fixed point d, in combination with cylinder A, substantially as shown and described.

2. The combination of a dividing-gauge, consisting of the parts set forth in first claim, splitting-gauge point h, and an ordinary gauge, consisting of parts A B E, substantially as shown and described.

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

GEORGE KENNY.

Witnesses:

CARROLL D. WRIGHT,
AUSTIN S. HOWARTH.