

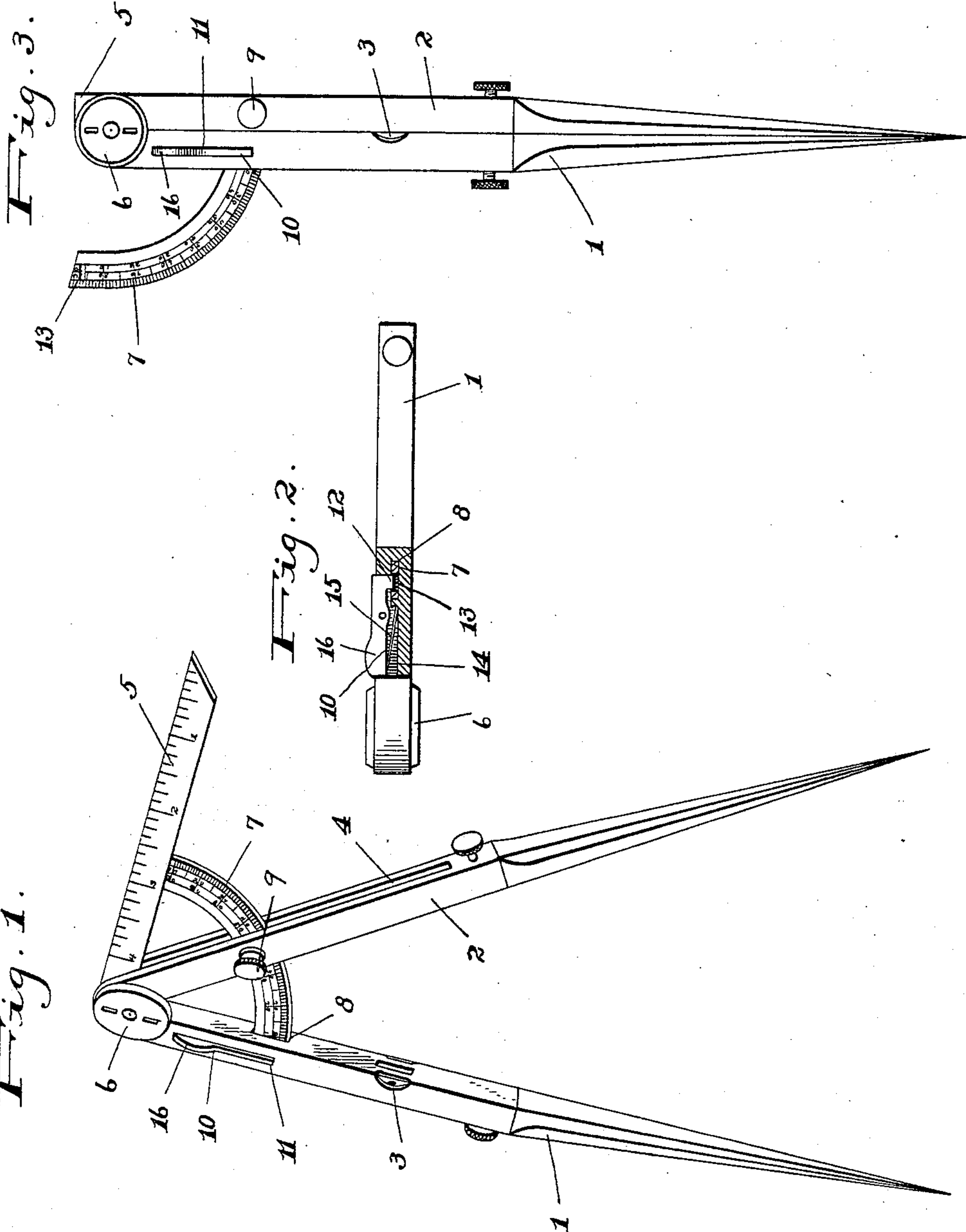
No. 607,296.

Patented July 12, 1898.

J. E. TAULMAN.
CALIPERS AND DIVIDERS.

(Application filed July 21, 1897.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH EDWIN TAULMAN, OF HUBBARD CITY, TEXAS.

CALIPERS AND DIVIDERS.

SPECIFICATION forming part of Letters Patent No. 607,296, dated July 12, 1898.

Application filed July 21, 1897. Serial No. 645,468. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH EDWIN TAULMAN, of Hubbard City, in the county of Hill and State of Texas, have invented certain new and useful Improvements in Measuring Instruments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in measuring instruments, my object being to provide in one such instrument several devices.

The invention consists in the various matters hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective of the present device with the parts in open position. Fig. 2 is a plan view of the legs with the intermediate blade removed, said view showing in section the spring-pressed lever for engaging the blade; and Fig. 3 is a view of the instrument in closed position.

Referring now more particularly to the drawings, 1 represents one of the legs of the device, and 2 the other of the said legs, these legs being of the general construction of the usual legs upon a pair of dividers. The leg 1 is, however, provided upon its inner edge with a spirit-level 3, while the leg 2 has a slot 4 extending between its sides from the end at which it is pivoted upon the leg 1. Various points—such as inside and outside calipers, points of dividers, &c.—can be secured upon the legs 1 and 2 by means of the set-screws in the usual manner.

A straight-edge or blade 5, having an opening through one end thereof, is pivoted upon the usual screw 6 by which the legs are connected, and upon said blade is a protractor or quarter-circle 7, which passes through the slot in the leg 2, and also has movement through a slot 8 in the leg 1. A set-screw 9 in one of the walls of the leg 2 projects into the slot 4 and bears upon the segment 7. The end of the segment is secured in the slot 8 by means of a lever 10, pivoted in a recess 11 upon one of the side faces of the leg 1, said lever having a lug 12 upon one end thereof, adapted to enter an opening 13 in the segment, while in a slot 14 in the other end of

said lever is fastened one end of a leaf-spring 15, whose other end bears upon the inner wall of the slot in the leg. As will thus be seen, when the segment is locked in position by the lever the straight-edge is held at a right angle to the leg 1, in which manner a try-square is produced. The segment can, however, be released by merely depressing the lever by means of the thumb portion 16 of the same, which extends beyond the face of the lug, and the straight-edge can then be set as a bevel. When using this straight-edge as a bevel, the legs of the instrument are preferably brought together. When the straight-edge is locked in position to cooperate with the leg 1 as a try-square, the leg 2 can be set at any angle along the segment, and also the straight-edge can be folded into the slot 4, in which position the segment projects beyond the leg 1, thus permitting said leg to be set along the segment as a protractor.

The instrument is composed of but few parts; can be folded into a small space, but has many uses.

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

1. A measuring instrument comprising the legs of a pair of dividers, one of which is slotted longitudinally, a graduated straight-edge normally housed in said slotted leg and journaled on the pivot connecting said legs, a graduated segment rigidly connected to the straight-edge and extending through slots in both legs, a set-screw in the leg adjacent to the straight-edge for holding said leg at the desired adjustment relative to the opposing leg and also to the straight-edge, and a spring-latch engaging a perforation in the segment for holding said leg and the straight-edge one at a right angle to the other, substantially as described.

2. A measuring instrument comprising a leg 1 having a spirit-level upon the same, said leg being provided with a recess in one of its outer sides, a second leg pivoted upon the first leg, said second leg having a slot 4 extending from its pivot end, a straight-edge having an opening in one end of the same whereby it is pivoted in common with the legs, a segment upon said straight-edge passing through the slot in the second leg, and

also entering a slot through the first leg, said
slot extending from the side of the said leg
adjacent to the second leg, the segment being
provided with an opening, a lever pivoted in
5 the recess in the first leg, a lug upon said le-
ver at one side of its pivot, said lug being
adapted to enter the opening in the segment,
a spring secured in a slot in said lever at the
other side of its pivot, the free end of said
10 spring resting upon the inner wall of the re-
cess, a thumb-piece upon said lever project-

ing beyond the outer surface of the leg, and
a set-screw in the second leg, said set-screw
bearing upon the segment; substantially as
described.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

JOSEPH EDWIN TAULMAN.

Witnesses:

BENJ. SMITH,
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