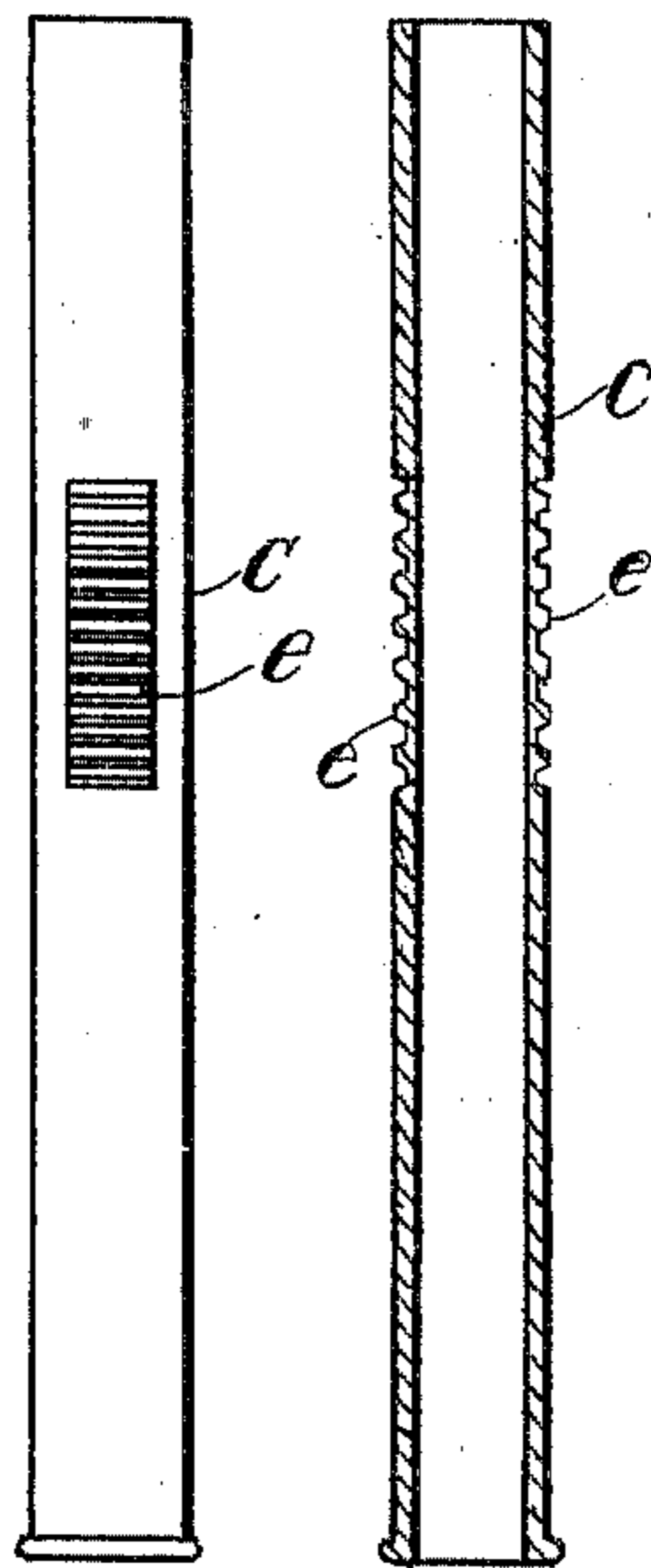
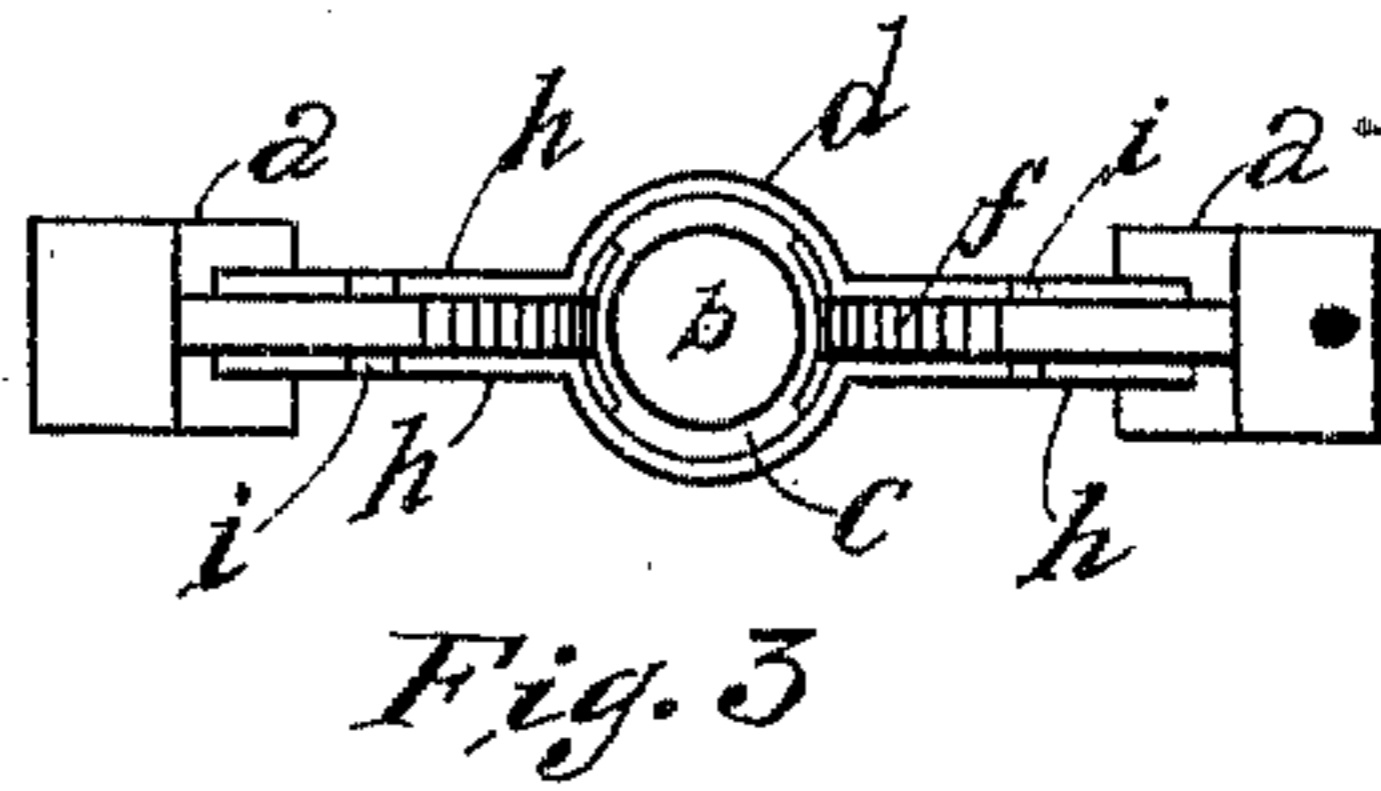
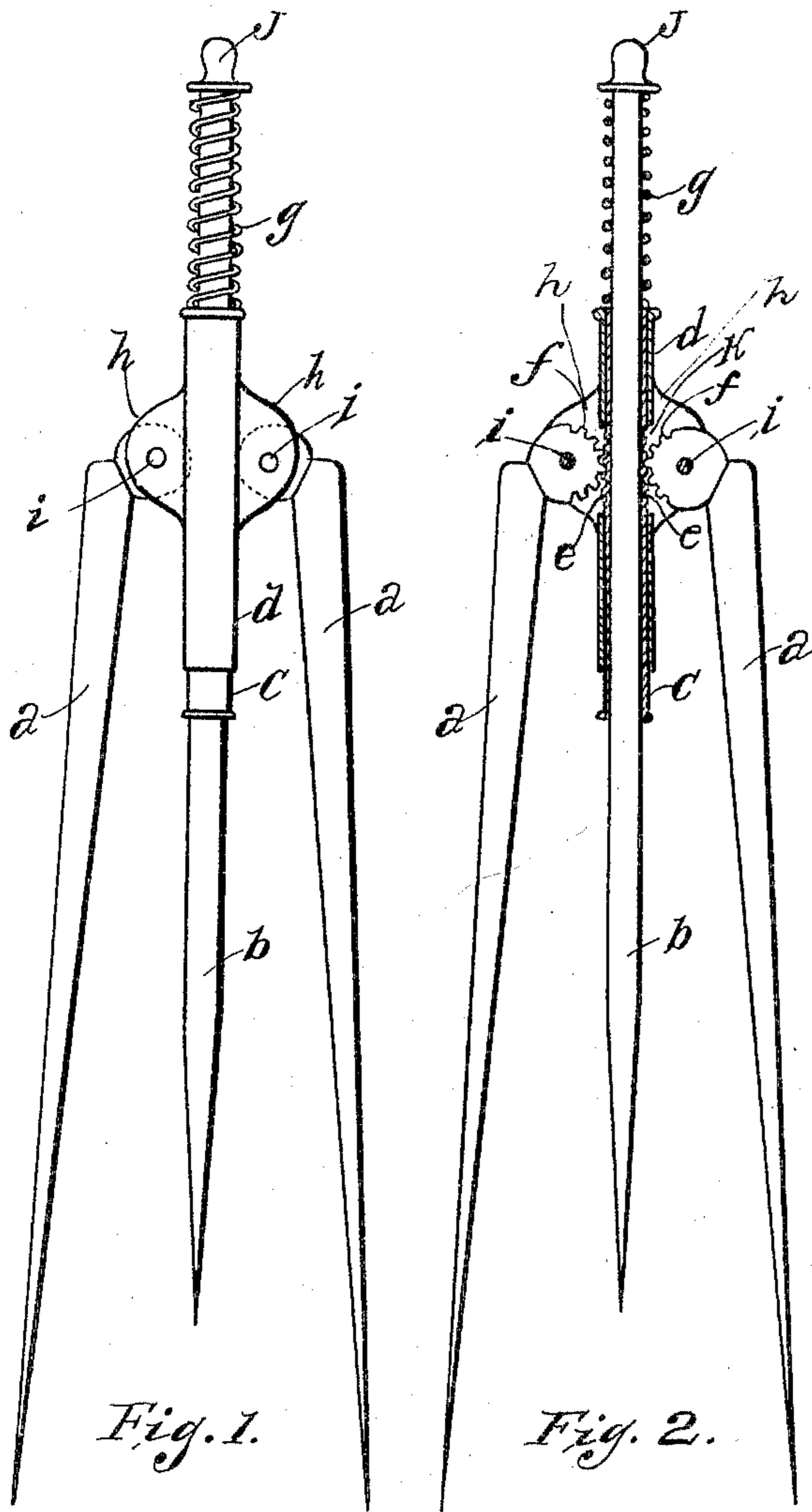


No. 780,190.

PATENTED JAN. 17, 1905.

P. JELSMA.
BISECTING DIVIDERS.
APPLICATION FILED AUG. 4, 1904.



Witnesses:
E. F. Camp
M. A. Schmidt.

Inventor:
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Attys.

UNITED STATES PATENT OFFICE.

PETER JELSMA, OF GUTHRIE, OKLAHOMA TERRITORY.

BISECTING DIVIDERS.

SPECIFICATION forming part of Letters Patent No. 780,190, dated January 17, 1905.

Application filed August 4, 1904. Serial No. 219,543.

To all whom it may concern:

Be it known that I, PETER JELSMA, a citizen of the United States, residing at Guthrie, in the county of Logan and Territory of Oklahoma, have invented new and useful Improvements in Bisecting Dividers, of which the following is a specification.

My invention relates to bisecting dividers having for its object a simple and accurate instrument of this kind; and it consists in certain novel features of construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is an elevation of the invention, and Fig. 2 a vertical section thereof. Fig. 3 is a plan view. Fig. 4 is an elevation of the sleeve referred to hereinafter, and Fig. 5 is a vertical section thereof.

Referring specifically to the drawings, the divider has three legs, the outside legs being indicated at *a* and the center leg at *b*. The legs are pointed, as is usual in instruments of this kind. The leg *b* is formed of steel or other suitable metal rod and has at its upper end a cap *j*. The leg *b* slides in a sleeve *c*, which sleeve has rack-teeth *e* cut on each side of its outer surface. The sleeve *c* also telescopes or fits in an outer sleeve *d*, which has on each side outwardly-extending ears *h*, between which the legs *a* are pivoted, as at *i*. The said legs *a* are formed at their upper ends into a toothed segment *f*, which meshes with the rack *e* on the sleeve *c*, the outer sleeve *d* being slotted, as at *k*, to allow the segment to contact with the rack. It will be apparent that when one of the legs *a* is spread the other leg *a* will also be spread the same distance and both legs will be equidistant from the center leg *b*.

The leg *b*, as heretofore described, fits loosely in the sleeve *c*, and it is held up by means of a spring *g*, which fits between the cap *j* and a shoulder on the top of the sleeve *d*. This spring keeps the point of the leg *b* off the paper when the legs *a* are spread.

The instrument can be used with one hand holding it as usual for such instruments and spreading the legs as desired, the first finger being used for pressing down the leg *a* to mark the center.

The instrument is simple in construction and not liable to get out of order and well serves the purpose for which it is intended.

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

1. A bisecting divider comprising telescoping tubes, the inner tube having racks on opposite sides; legs pivoted to the outer tube and each having a toothed segment, said segments meshing with the racks respectively; and a center leg extending loosely through the inner tube and supported thereabove.

2. A bisecting divider comprising telescoping tubes, the inner tube having racks on opposite sides; legs pivoted to the outer tube and each having a toothed segment, said segments meshing with the racks respectively; a center leg extending loosely through the inner tube; and a spring for holding said leg normally elevated.

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

PETER JELSMA.

Witnesses:

W. M. SPURLOCK,
J. A. REDFIELD.