

J. ERICKSON.
DRAWING INSTRUMENT.
APPLICATION FILED FEB. 4, 1910.

999,104.

Patented July 25, 1911.

Fig 1

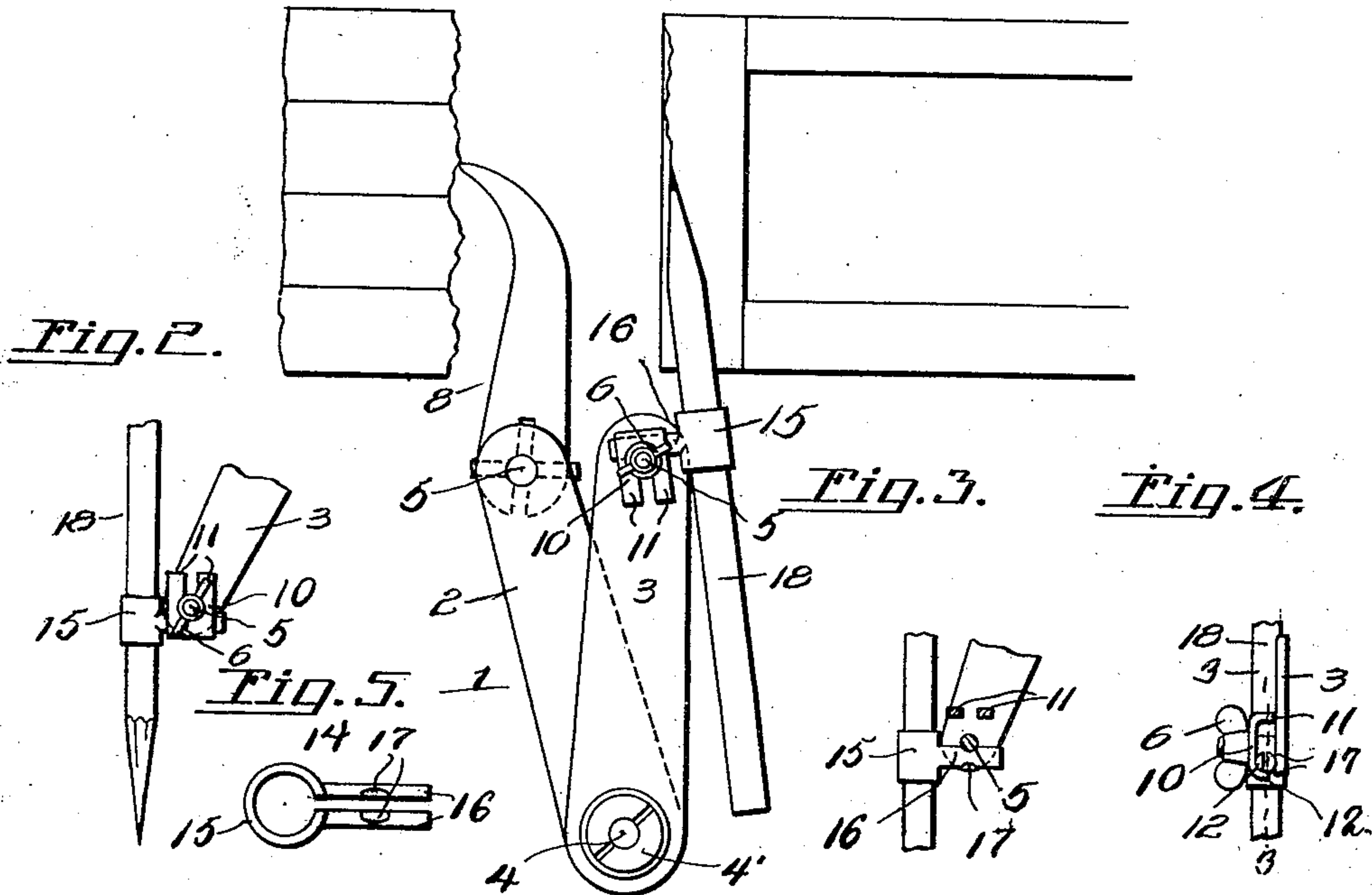


Fig. 2.

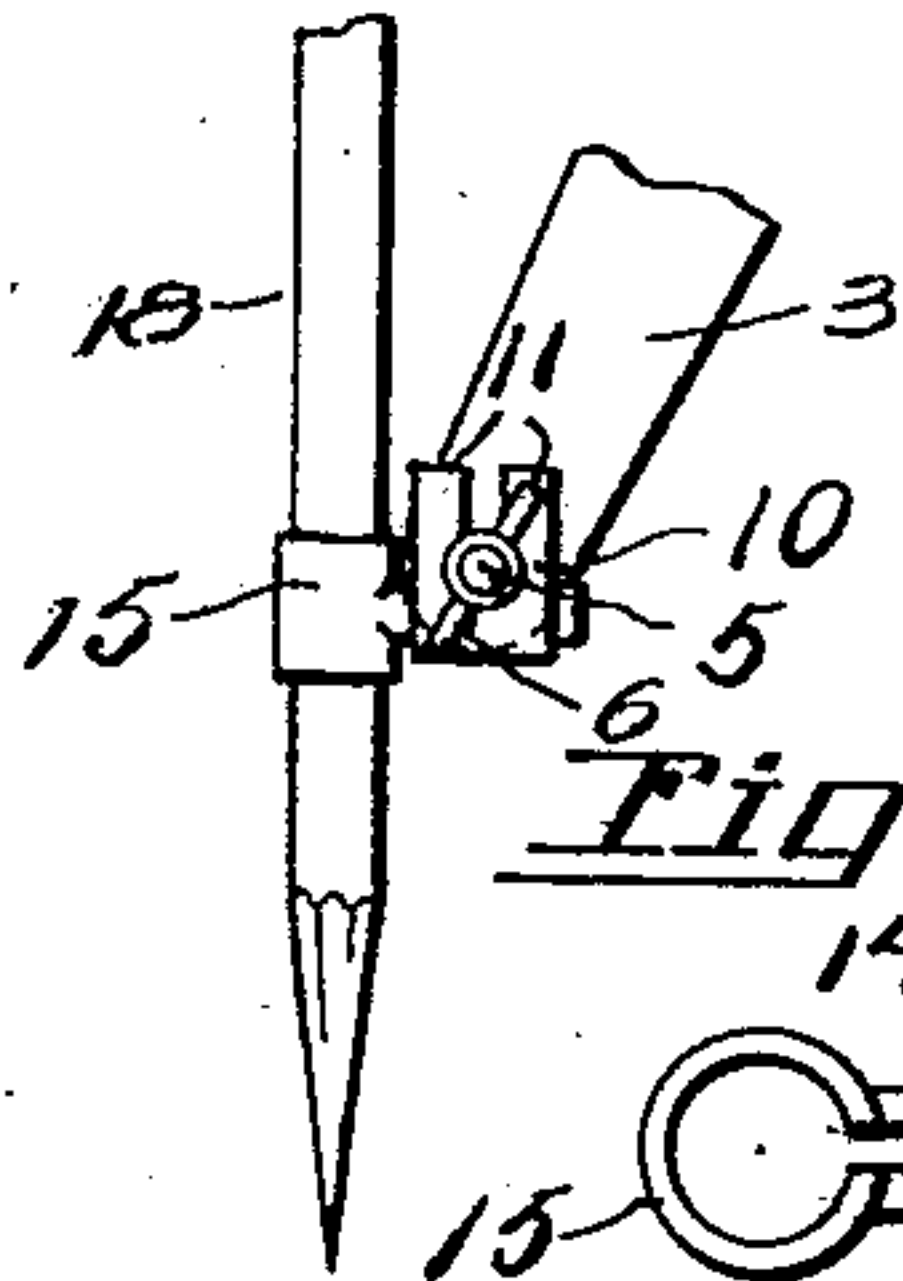


Fig. 5.

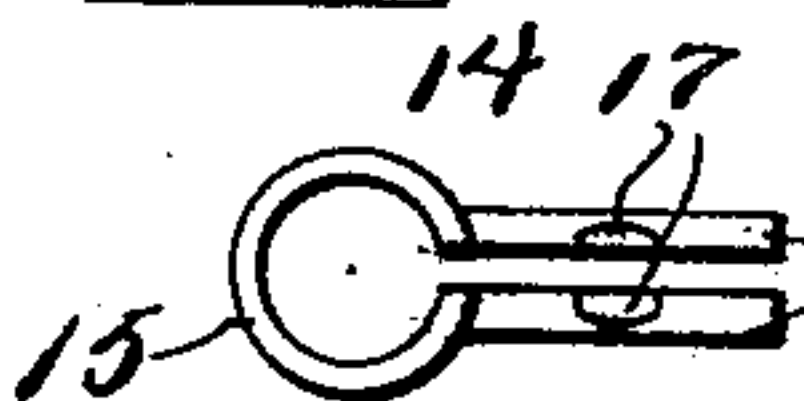


Fig. 3.

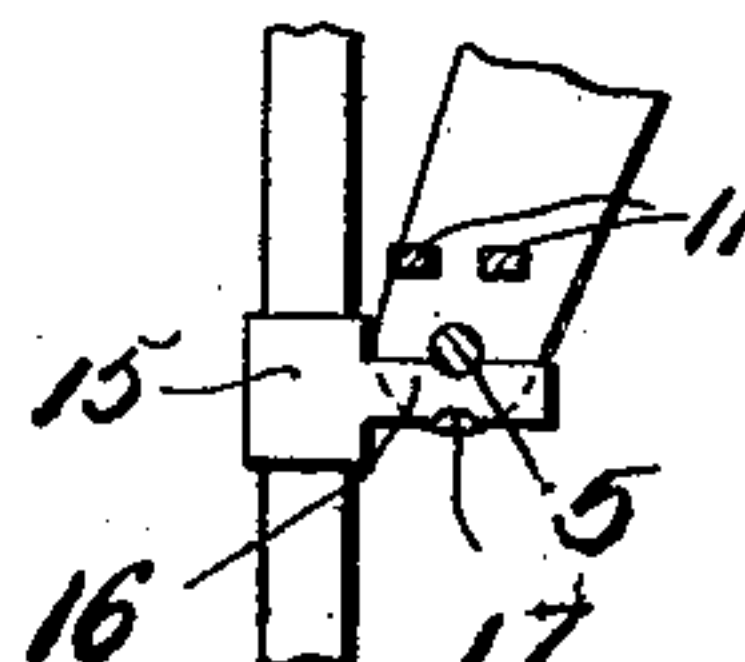


Fig. 4.

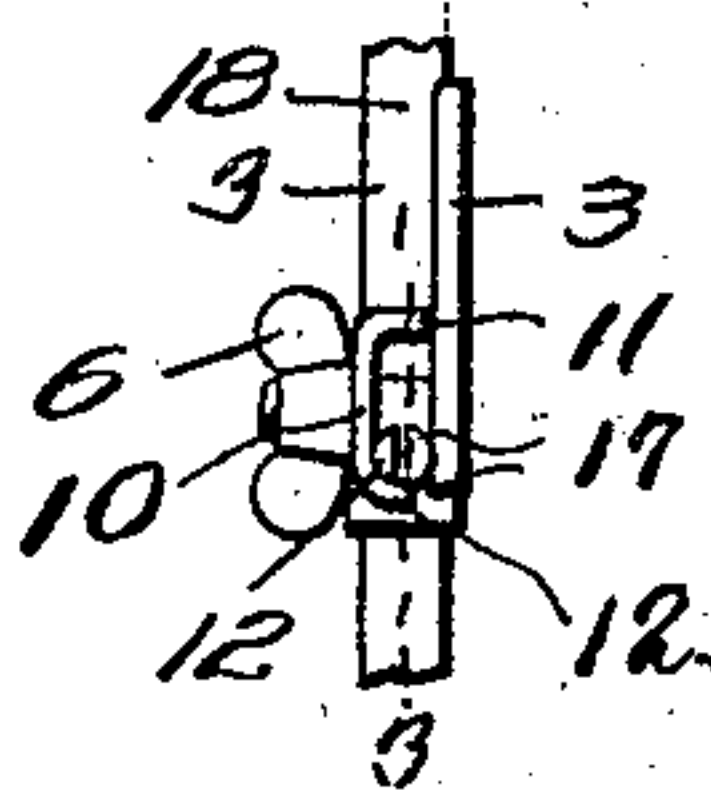
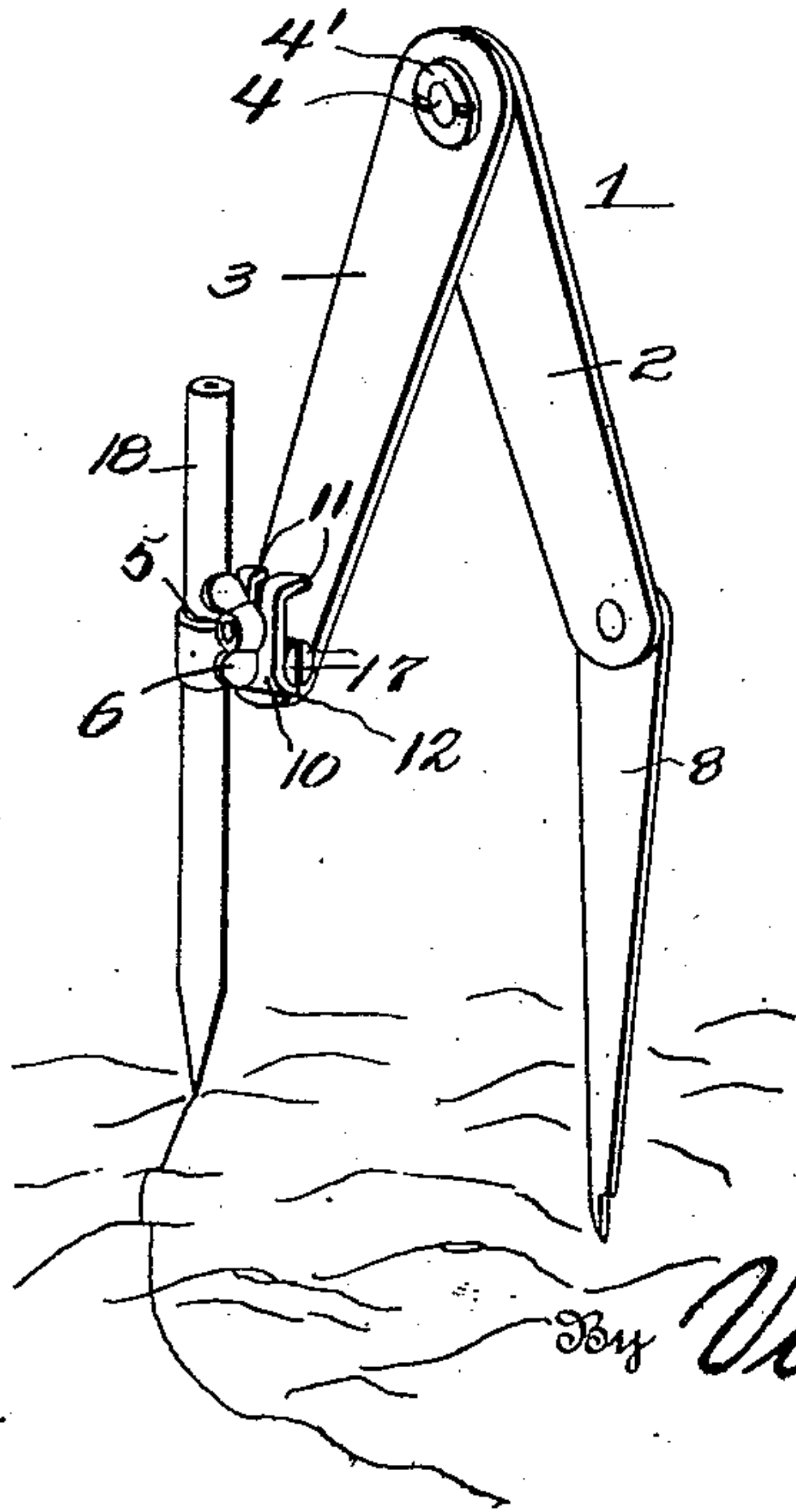


Fig. 6.



Witnesses
G. L. Gibson.
K. Allen.

Inventor
John Erickson.

By Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

JOHN ERICKSON, OF WARREN, PENNSYLVANIA.

DRAWING INSTRUMENT.

999,104.

Specification of Letters Patent. Patented July 25, 1911.

Application filed February 4, 1910. Serial No. 542,055.

To all whom it may concern:

Be it known that I, JOHN ERICKSON, a citizen of the United States, residing at Warren, in the county of Warren and State of Pennsylvania, have invented new and useful Improvements in Drawing Instruments, of which the following is a specification.

This invention relates to a combined compass, scribe, divider and caliper, the object of this invention being to provide a device of this character primarily intended for use in connection with carpentry, masonry, etc., which is extremely simple in construction and which will perform the functions for which it is intended with accuracy and surety.

With the above objects in view, the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the drawings accompanying this specification and forming a part thereof, Figure 1 is a front elevation of an instrument constructed in accordance with this invention and showing the same when used for scribing a frame to be fitted to a rough surface. Fig. 2 is a front elevation of one of the arms of the instrument to which a pencil is attached. Fig. 3 is a vertical transverse sectional view upon the line 3—3 of Fig. 4 the clasp member being shown in elevation. Fig. 4 is an edge view of the device illustrated in Fig. 2. Fig. 5 is a top plan view of the yieldable pencil holding clasp. Fig. 6 is a view illustrating the device employed for scribing a circle upon a rough surface, such as a stone or the like.

In the drawings the numeral 1 designates the improved instrument. This instrument comprises essentially a pair of arms 2 and 3, which are pivotally connected as at 4. The pivot 4 is provided with a threaded portion, and the same is adapted for the reception of a suitable nut 4' whereby the said arms 2 and 3 may be forced into frictional engagement with each other. The ends of the arms 2 and 3 are each provided with a projecting threaded element 5. These elements 5 are preferably arranged upon the arms in opposite directions and each of the said elements is provided with a winged nut 6.

The numeral 8 designates the leg of the instrument. This leg 8 is preferably provided with an elongated slot or opening adapted to form a passage so that the said

member 8 may be inserted upon the threaded element 5 between one of the faces of one of the arms and one of the winged nuts 6. By this arrangement it will be noted that the said leg 8 may be easily and quickly attached to one of the arms and sustained in frictional engagement therewith through the medium of the binding winged nut 6.

While in Figs. 1 and 6 the device has been illustrated as provided with a single leg 8, it is to be understood that both of the arms 2 and 3 may be, if desired supplied with a leg.

The pencil clasp, best illustrated in Fig. 5 of the drawings, is constructed of a single piece of resilient metal. The said clasp designated by the numeral 14 comprises a split collar 15 having its free ends integrally formed with outwardly extending arms 16. The arms 16 are each of a semi-cylindrical cross sectional formation and each of the said arms is formed with a transversely arranged depression 17, the depression on one of the arms being adapted to aline with the depression upon the opposite arm, and the purpose of these depressions will be presently apparent.

The numeral 10 designates the clasp retaining clamp. This clamp 10 is also constructed of a single blank of resilient material, the same comprising a substantially U-shaped member. The upper portion of the clamp is cut away approximately from the central portion of the body thereof to provide the oppositely spaced arms 11. This cut away portion is adapted to form means whereby the clamp may be inserted over the bolt 5 and the projecting threaded portion of the said bolt has its winged nut 6 tightly engaging the outer face of the said clamp 10 whereby the clamp is tightly compressed against one of the arms 2 or 3. The collar 15 is adapted to engage a pencil or marking element 18 and the bolt 5 is adapted to snugly engage within the depressions 17 of the arms 16. It will be noted that when the nut 6 is turned toward the arm 3 upon the bolt 5 the resilient clamp 10 will compress the arms 16 and the said arms lying between the bolt and the lower offset portion 12 of the clamp 10 will effectively sustain the clasp upon the arm 3.

I claim—

In a device of the class described, a pair of arms pivotally connected together adjacent one of their ends, the opposite ends of the arms being provided with projecting thread-

ed elements, wing nuts for these elements, a
leg member having its upper portion slotted
adapted to engage between one of the arms
and the corresponding winged nut, a resili-
5 ent clamp upon the opposite projecting ele-
ment of the opposite arm, said clamp being
of a substantially U-shaped formation, a
marking member receiving clasp, said clasp
being constructed of a single piece of resili-
10 ent material provided with an eye and a pair

of projecting arms, each of said arms being
provided with depressions, substantially as
and for the purpose set forth.

In testimony whereof I affix my signature
in presence of two witnesses.

JOHN ERICKSON.

Witnesses:

FLORENCE SANDBLADE,
W. KING.

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Washington, D. C."
