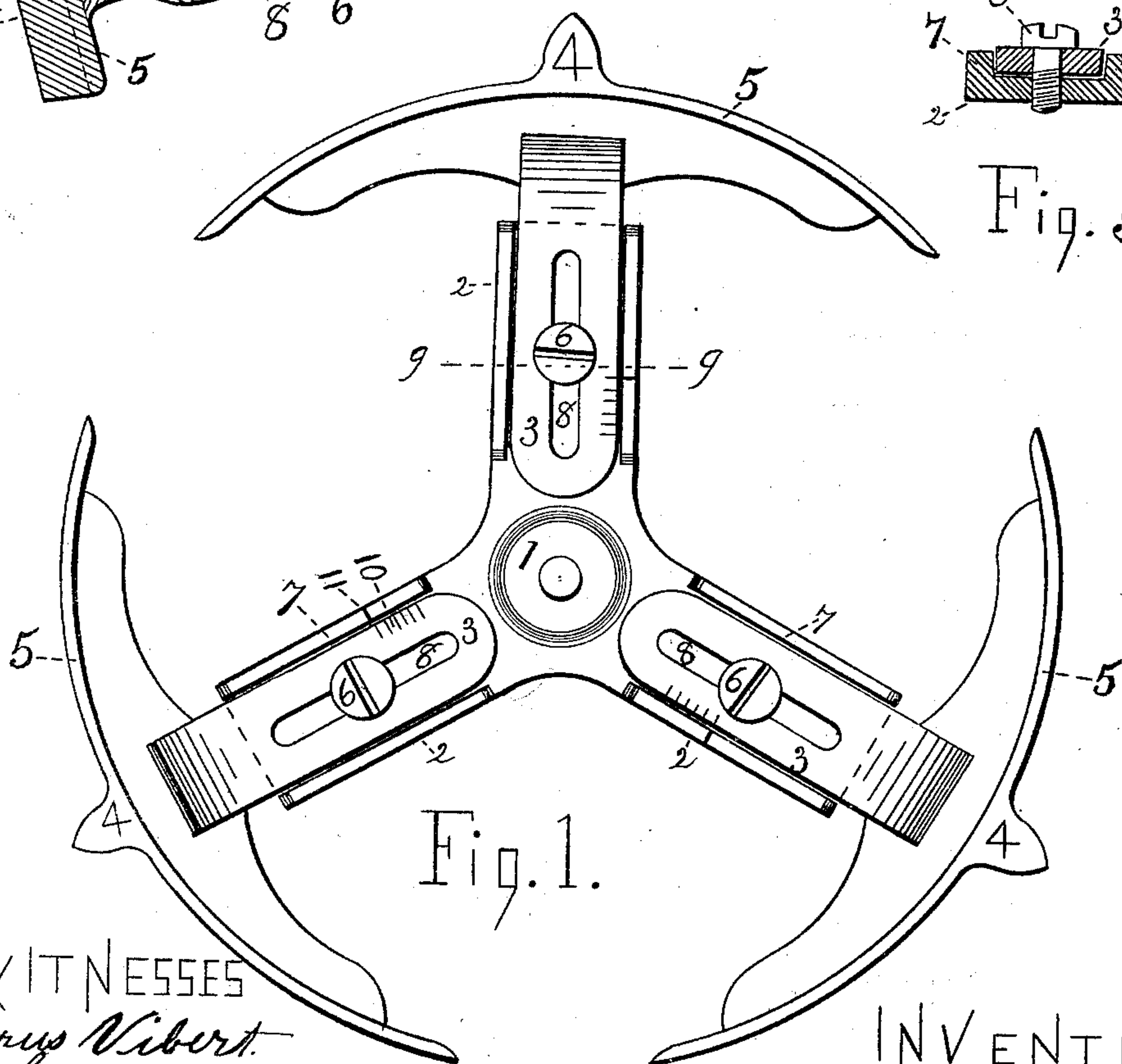
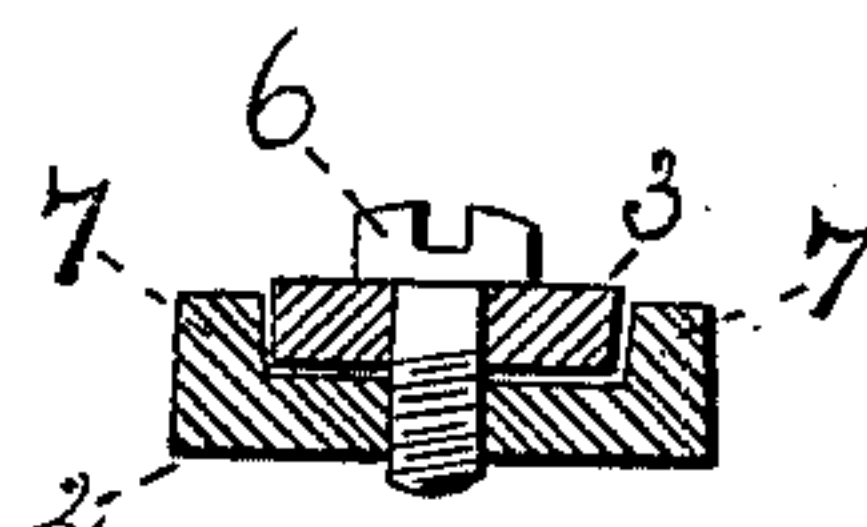
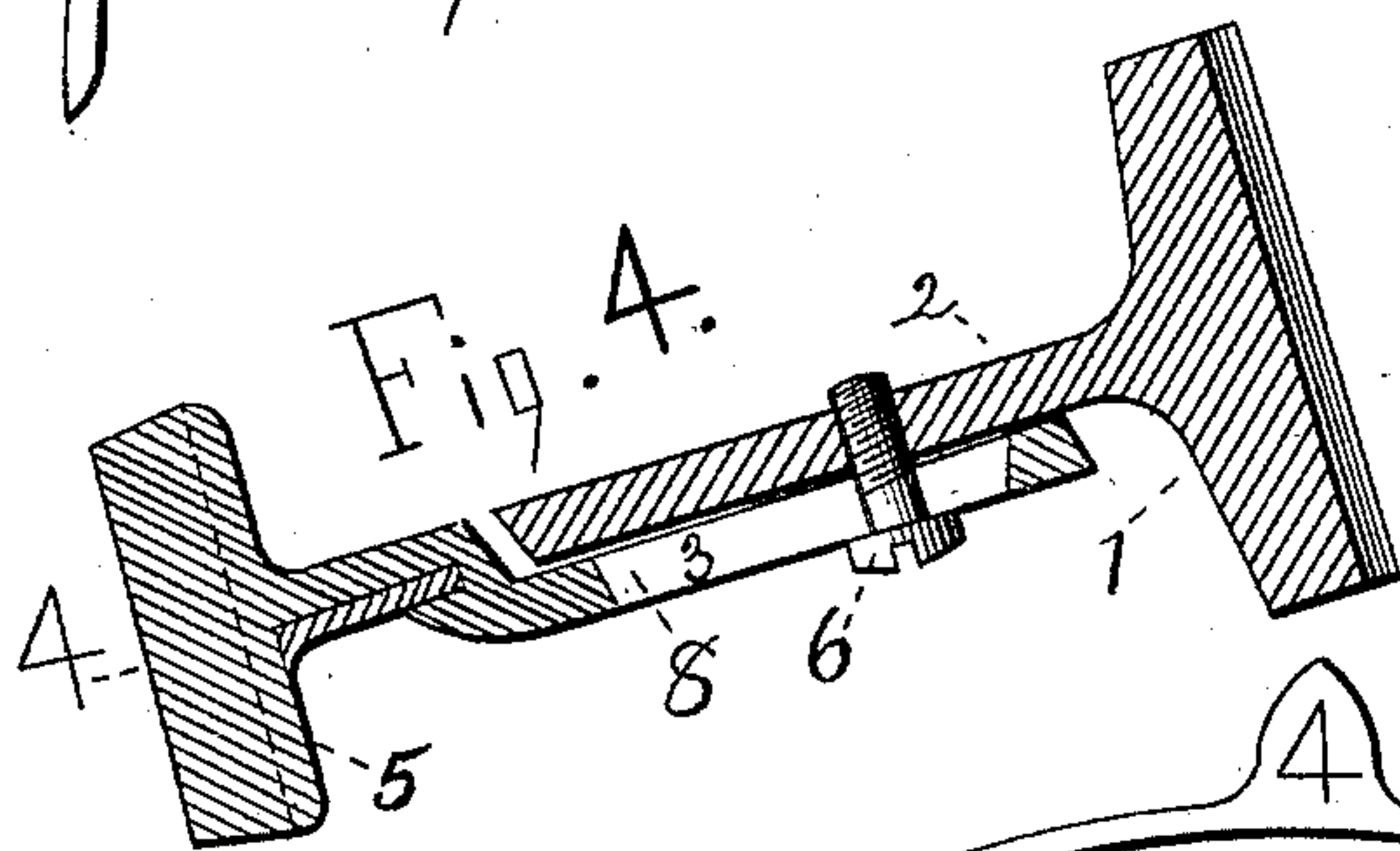
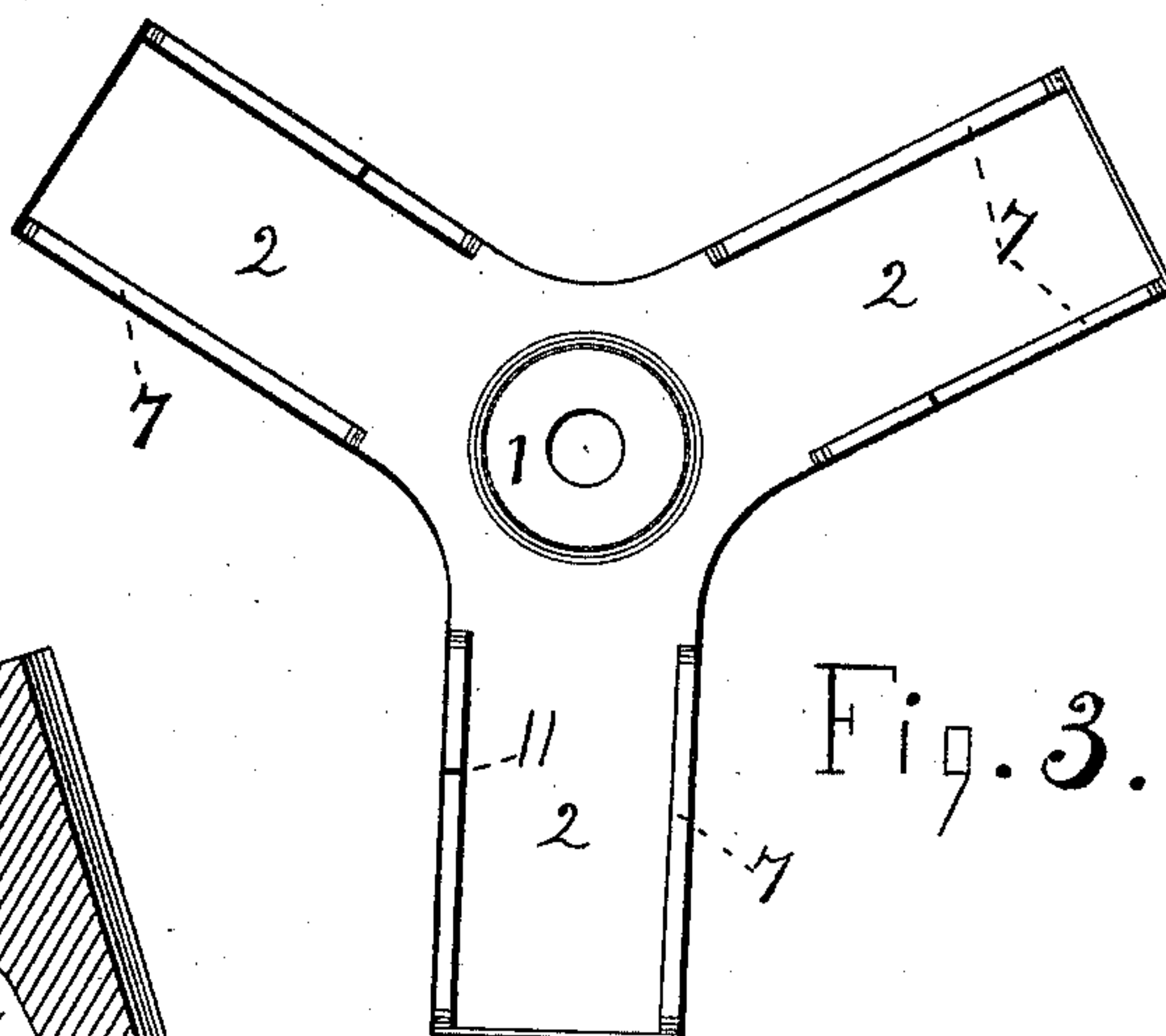
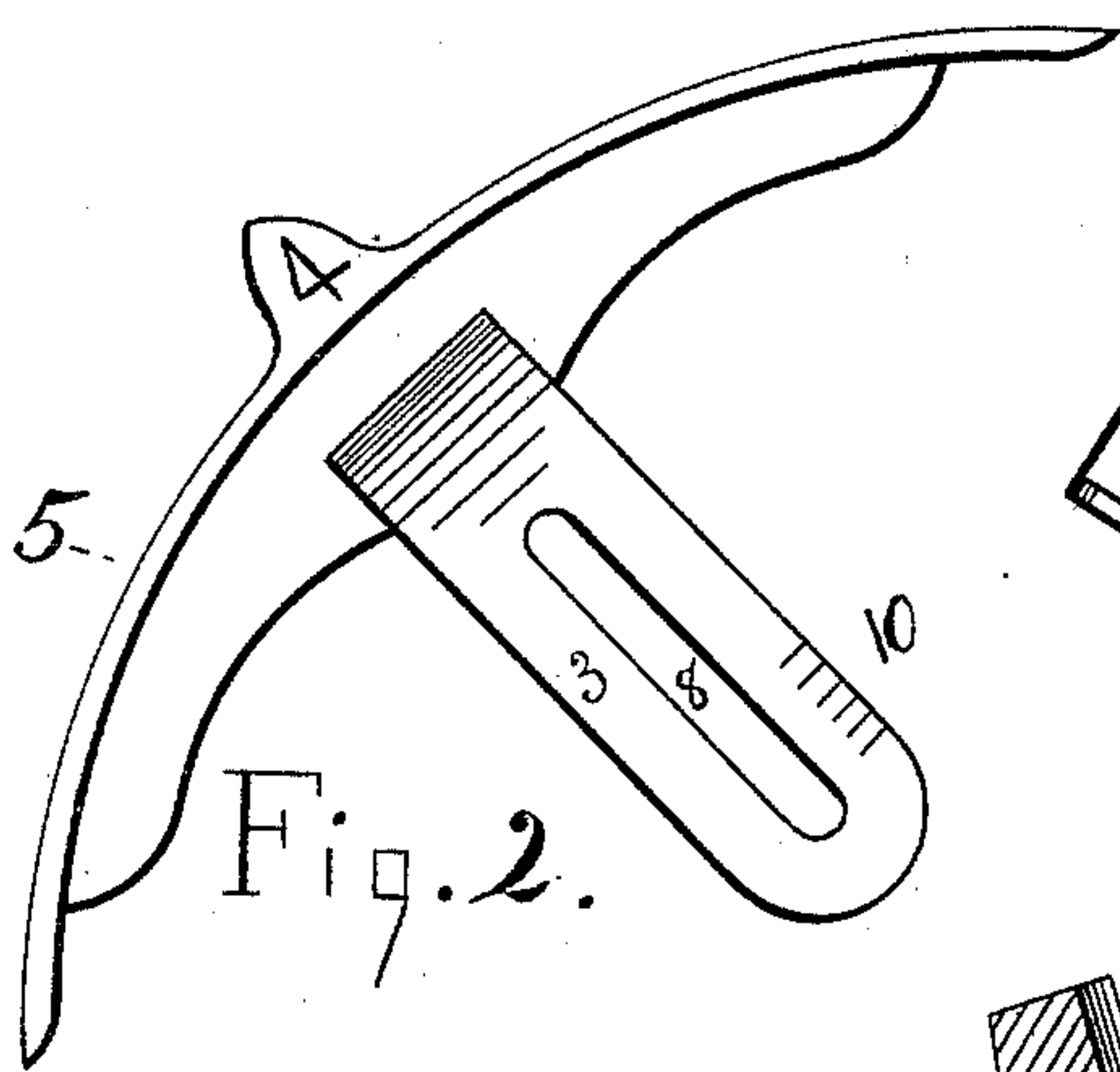


(No Model.)

F. C. VIBERT.  
SPACING OR MARKING WHEEL.

No. 409,718.

Patented Aug. 27, 1889.



WITNESSES  
*Cyrus Vibert.*  
*Walter A. Simon*

INVENTOR  
*Francis C. Vibert.*

# UNITED STATES PATENT OFFICE.

FRANCIS C. VIBERT, OF HOCKANUM, CONNECTICUT.

## SPACING OR MARKING WHEEL.

SPECIFICATION forming part of Letters Patent No. 409,718, dated August 27, 1889.

Application filed April 6, 1889. Serial No. 306,279. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCIS C. VIBERT, a citizen of the United States, residing at Hockanum, in the county of Hartford and State of Connecticut, have invented a new and useful Spacing or Marking Wheel; and to enable others skilled in the art to which it appertains to make and use it I will proceed to describe its construction and operation by referring to the accompanying specification, and drawings forming part thereof, in which the same reference-figures indicate like parts in each of the figures.

My invention relates to improvements in spacing or marking wheels, and is designed to be used as an attachment to my combined drill, fertilizer, sower, and check-row marker, for which Letters Patent No. 358,369 were granted to me February 22, 1887.

The object of my present invention is to provide a spacing or marking wheel which may be readily adjusted to mark hills at different distances apart, so as to avoid the necessity of providing two or more wheels.

In the accompanying drawings, Figure 1 is a side elevation. Fig. 2 represents the extension-arm and segment, to which is attached the marking-point. Fig. 3 is a plan view of the hub and principal arms. Fig. 4 is a longitudinal central section of the hub-arm segment and marking-point on a horizontal plane. Fig. 5 is a cross-section on the line 9 9.

Fig. 1, 1 represents the hub of the wheel, and through its center extends a rod on which the wheel revolves freely.

2 represents the principal arms, on one side of which are raised lips or projections 7. (Shown in detail in Fig. 5.)

3 represents the extension-arm made with a slot 8 a part of its length, and to the outer end is attached the segment 5, forming a part of the periphery of the wheel, and on which is formed the marking-point 4, placed diametrically opposite the central line of the extension-arm 3.

At 6 is shown a screw or bolt for holding the extension-arms in place.

10 represents graduations of marks used

in connection with mark 11 on the raised lip or projection 7 of the principal arms for adjusting the marking-points 4 4 4 to equal distances from the center of the wheel.

Thus it will be seen that when the wheel, as shown in Fig. 1, is placed in its proper position at the rear of my combined drill, &c., Patent No. 358,369, or any other machine designed for a similar purpose, and is caused to revolve by the machine being drawn forward, the marking-points 4 4 4 will each in succession make a mark or indentation in the ground, thus denoting where the hills should be, and will continue thus marking while the machine is kept in motion.

The wheel may be readily adjusted to mark hills of greater or less distances apart by releasing the screws or bolts 6 and placing the extension-arms 3 farther from or nearer to the center and again tightening the screws or bolts to hold them in that fixed or set position.

In the drawings shown herewith the wheel is represented as made with three arms; but it is obvious that it would be equally useful if made with two or any other number; also variations in form of construction, size, shape, and material may be made without departing from the principle of my invention. I do not, therefore, wish to be confined to this exact form of construction.

I believe I have thus shown the nature, construction, and operation of my improvement, so that others skilled in the art to which it appertains can make and use the same therefrom.

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

The hub 1 and principal arms 2 2 2, in combination with the extension-arms 3 3 3, marking-points 4 4 4, peripheral segments 5 5 5, screws or bolts 6 6 6, raised lips or projections 7, and slots 8, when arranged and constructed as herein shown and described, and for the purpose set forth.

FRANCIS C. VIBERT.

Witnesses:

CYRUS VIBERT,

WALTER A. SIMON.