

B. F. HISERT.
Cultivator-Teeth.

No. 68,440

Patented Sept. 3, 1867.

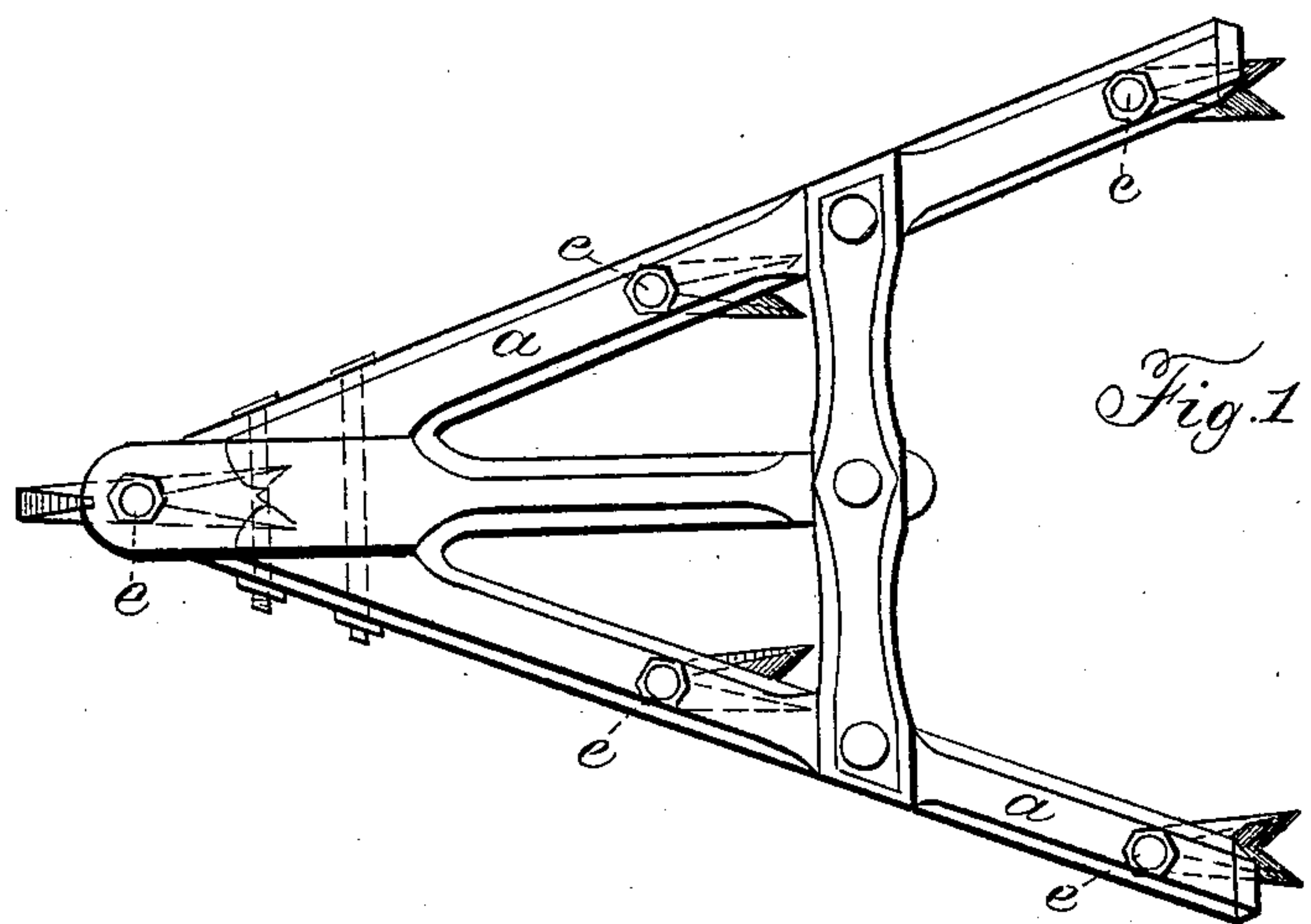


Fig. 1

Fig. 2

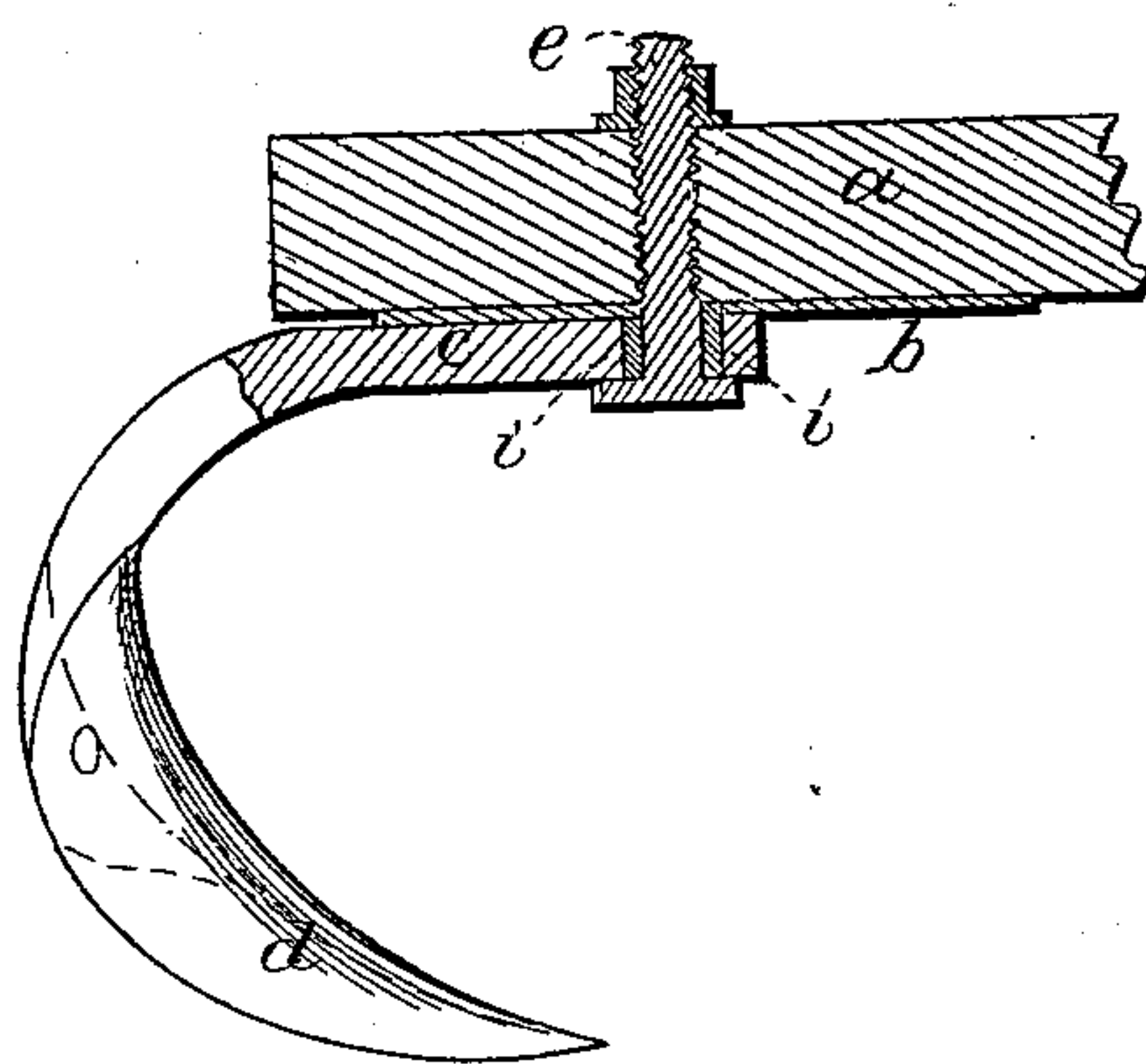
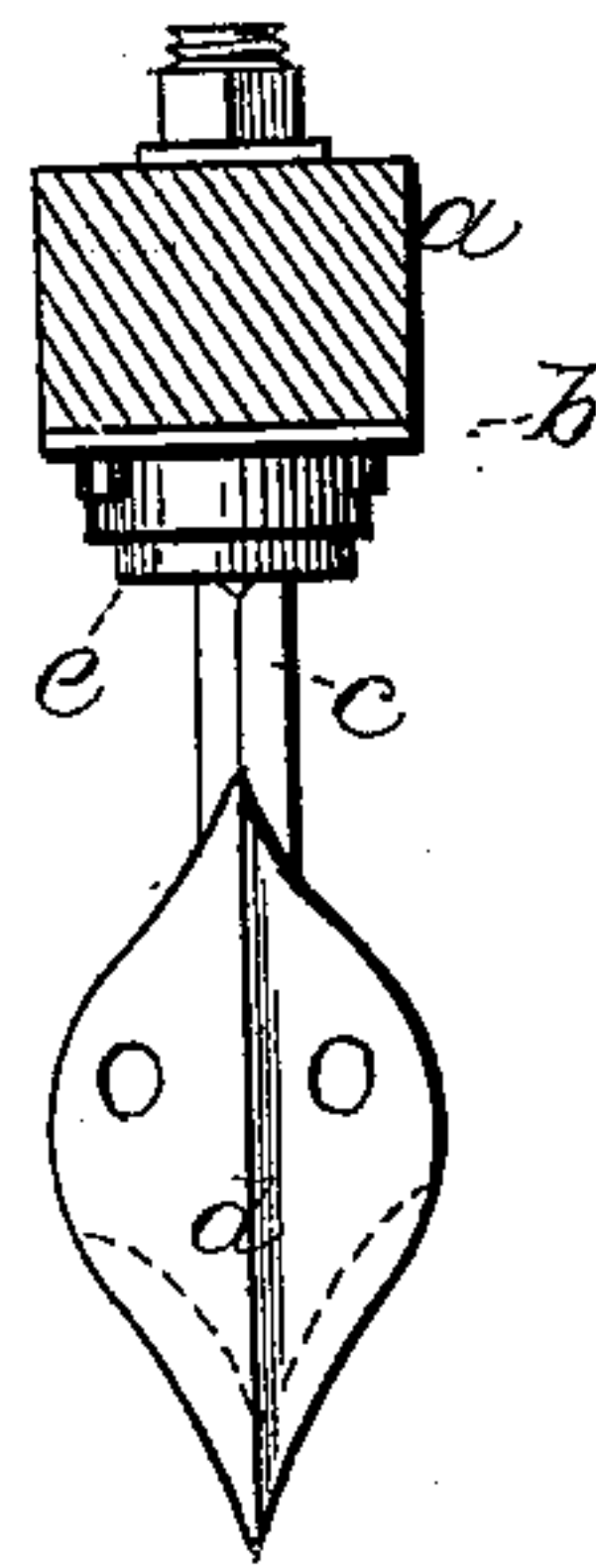


Fig. 3



Witnesses.

Geo D Walker
Geo T. Pinkney

B. F. Hisert
per L. W. Correll
Atty

United States Patent Office.

BENJAMIN F. HISERT, OF NORTON HILL, ASSIGNOR TO HIMSELF AND
GEORGE W. KING, OF SCHOHARIE, NEW YORK.

Letters Patent No. 68,440, dated September 3, 1867.

IMPROVEMENT IN CULTIVATOR-TEETH.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, BENJAMIN F. HISERT, of Norton Hill, in the county of Greene, and State of New York, have invented and made a certain new and useful Improvement in Cultivator-Teeth; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a plan of a cultivator fitted with my improved teeth.

Figure 2 is a section of the beam, attaching-bolt, and upper end of the tooth; and

Figure 3 is a front view of the said tooth.

Similar marks of reference denote the same parts.

Cultivator-teeth have heretofore been made so that they could be raised or lowered or stand at any desired angle, but the teeth being rigid cannot glance off of a stone or other hard substance without moving the entire cultivator, and, in turning around, the cultivator is liable to be broken or overturned by the side draught.

The nature of my said invention consists in a cultivator-tooth or plough, attached by a vertical joint to the beam, so as to swing horizontally, in order that the tooth may be free to turn slightly and avoid obstructions, and follow, at all times, the line of draught, so that in turning there is no risk of the teeth being broken or the cultivator overturned.

These teeth may be used singly or in gangs. I have shown, in the drawing, a triangular frame, *a*, to which my improved teeth are attached, but said frame may be of any desired size or shape. *b* is a plate attached to the beam *a*, and having a cylindrical pin, *i*, projecting downwards, and receiving the eye on the upper and forward end of the arm *c* of the cultivator-tooth *d*. *e* is a bolt passing through the cylindrical pin *i*, the head of which bolt sustains the arm *c*. By this construction a vertical joint is formed, upon which the cultivator-tooth can swing horizontally for the purposes before named. The arm *c* is to be extended backward and curved downwards and forwards, so that the share will be sustained in the inclined position shown, the point being nearly vertically below the bolt *e*, which facilitates the turning of the tooth according to the direction of the draught. A stop may be provided to prevent the tooth swinging all the way around.

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

A cultivator-tooth or plough, attached by a vertical joint to the beam, so as to swing horizontally, as and for the purposes set forth.

In witness whereof I have hereunto set my signature this seventeenth day of June, A. D. 1867.

BENJAMIN F. HISERT.

Witnesses:

LEMUEL W. SERRELL,
GEORGE D. WALKER.