

J. L. FOUNTAIN.

Cultivator-Teeth.

No. 54,522.

Patented May 8, 1866.

Fig. 1.

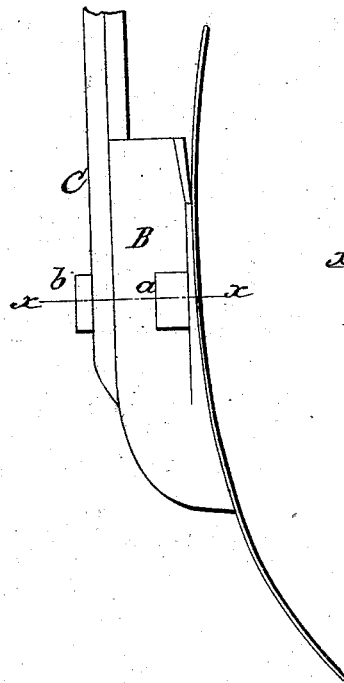


Fig. 2.

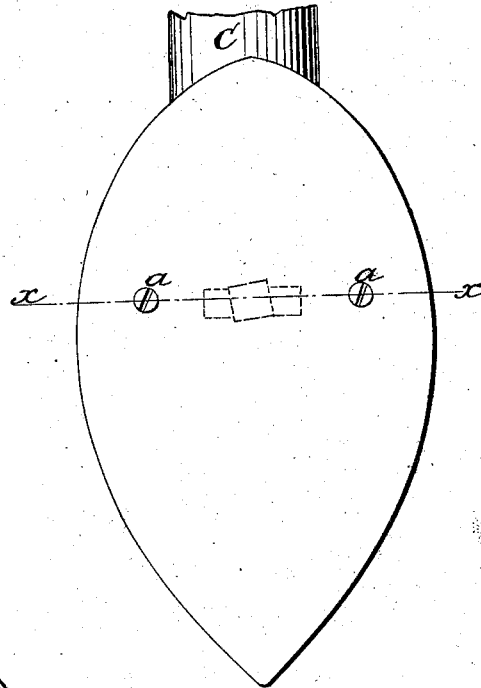


Fig. 3.

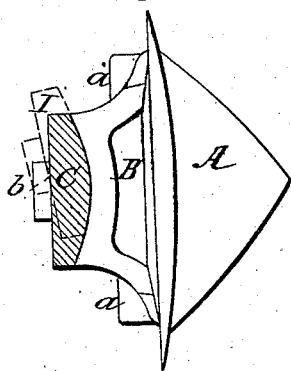
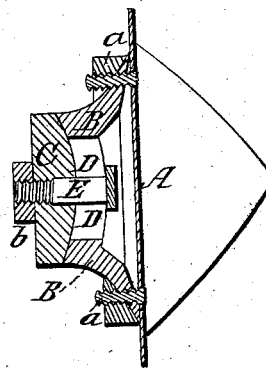


Fig. 4.



Witnesses:
J. Holmes.
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UNITED STATES PATENT OFFICE.

J. L. FOUNTAIN, OF NEW MILFORD, ILLINOIS.

IMPROVEMENT IN THE MODE OF ATTACHING CULTIVATOR-BLADES.

Specification forming part of Letters Patent No. 54,522, dated May 8, 1866.

To all whom it may concern:

Be it known that I, J. L. FOUNTAIN, of New Milford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Cultivator-Blades; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view. Fig. 2 is a front view. Fig. 3 is a top view. Fig. 4 is a transverse section in the direction of the line $x x$ in Figs. 1 and 2.

Like letters of reference refer to like parts in the views.

In the drawings, A represents the blade, B the offset, and C the standard. The blade A is attached to the offset B by means of screws $a a$, as shown, the offset fitting close to the back of said blade.

The front of the standard C is rounded, as shown, and the offset is grooved out to correspond to it, the standard fitting in said groove. Near the center of the offset is a transverse slot, D. (Shown in Fig. 4, and indicated by the dotted lines in Fig. 2.) Through this slot passes a bolt, E, which extends through the standard C, and is held in place by means of a nut, b , on the outside of the standard.

When it is desired to turn the face of the

blade toward the corn in order to throw the earth upon the hill, the nut b must be loosened and the blade turned upon the standard in the direction required, the bolt being moved in the slot, and when so turned is held in place by means of the bolt and nut, as described, the relative positions of the blade and standard when turned is noted by the dotted lines I in Fig. 3.

Another advantage is derived in having the blade set off from the standard, preventing the earth from clogging it up, and in case a blade is broken or worn out a new one can be replaced at less expense than in the ordinary way, and blades of various forms, suitable for different kinds of work, may be attached, as the nature of the case requires.

The blade can be turned to the right or left in any angle, so as to throw the earth to or from the hill.

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

The offset B, slot D, and screw-bolt E, in combination with the standard C and blade A, arranged in the manner and for the purposes substantially as set forth.

J. L. FOUNTAIN.

Witnesses:

F. H. MAXWELL,
FRANK ALDEN.