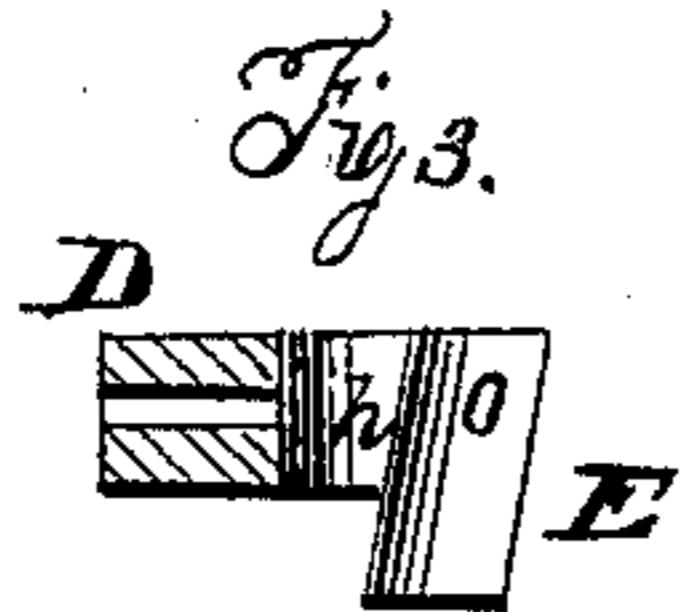
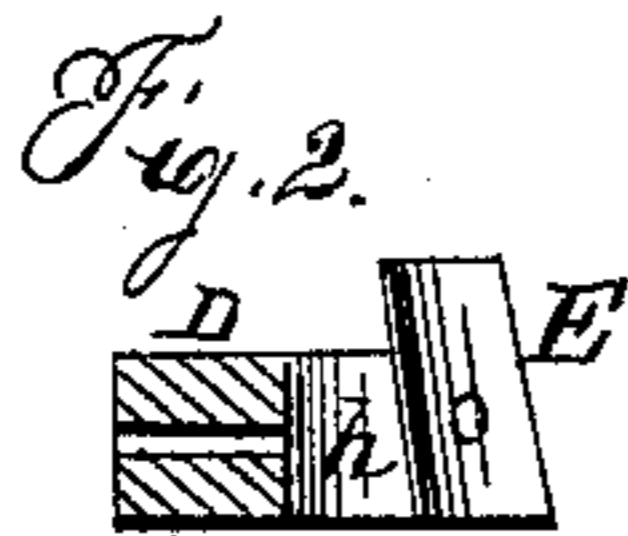
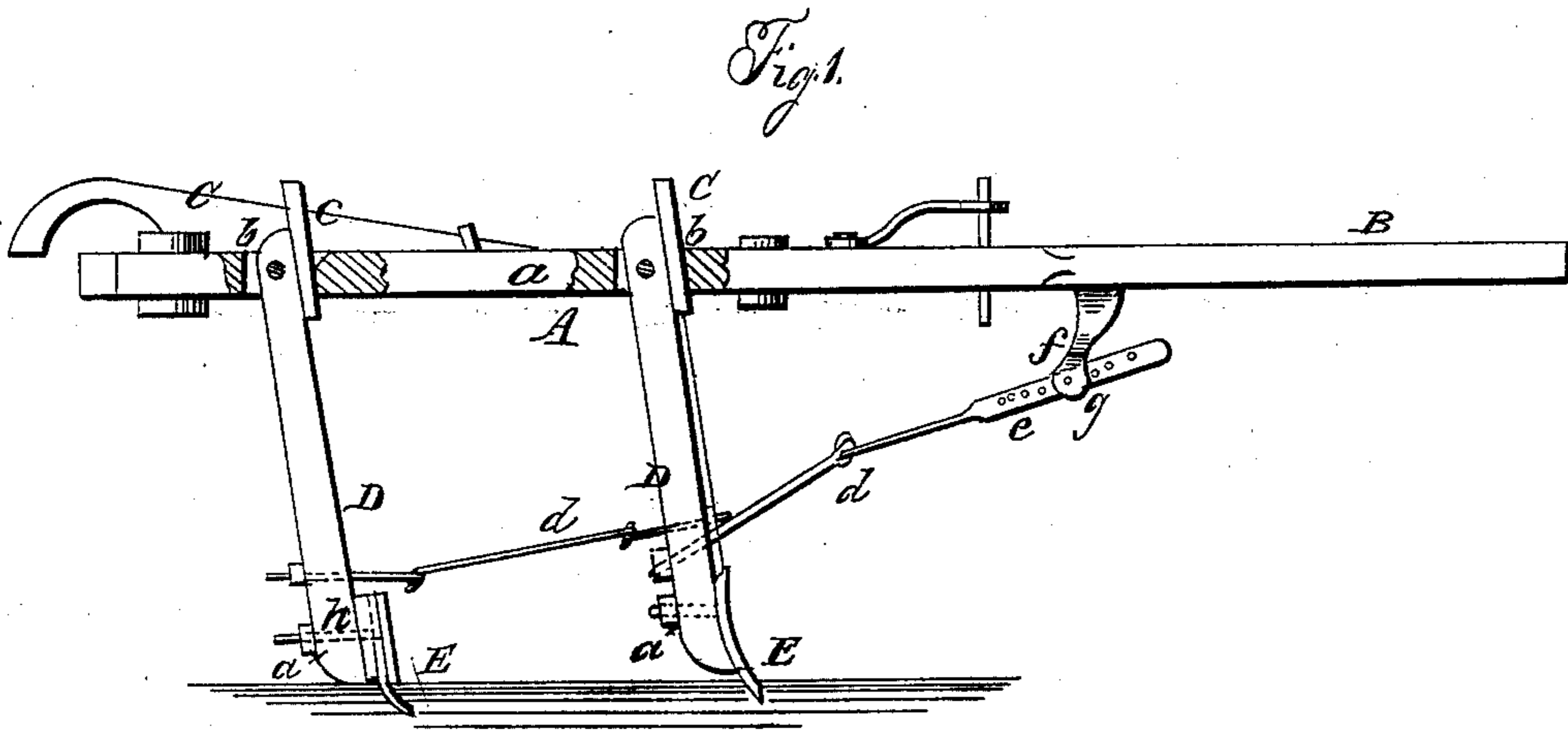


A. CAMPBELL.  
Corn Cultivator.

No. 78,424.

Patented June 2, 1868.



WITNESSES:  
W. C. Ashkett  
J. D. Morgan

INVENTOR:  
A. Campbell  
by Munnell  
attys.

# United States Patent Office.

ALEXANDER CAMPBELL, OF OXFORD, INDIANA.

Letters Patent No. 78,424, dated June 2, 1868.

## IMPROVEMENT IN CORN-CULTIVATOR.

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, ALEXANDER CAMPBELL, of Oxford, in the county of Benton, and State of Indiana, have invented a new and improved Corn-Cultivator; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved corn-cultivator; and it consists in a new and improved manner of attaching the shovel-standards to the frame of the machine, as hereinafter fully shown and described, whereby any desired pitch may be given said standards as required.

The invention also consists in a novel manner of securing the shares to the standards, whereby said shares may be reversed, that is to say, changed from one standard to another, and also adjusted in a straight position so as to face the line of draught, or be placed more or less obliquely therewith, either to the right or left, as may be desired.

In the accompanying sheet of drawings—

Figure 1 is a side sectional view of my invention.

Figures 2 and 3, horizontal sections of the same, taken through the rear standards, as indicated by the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

A represents the frame of the device, which is of V-form, or wider at the rear than at the front; B is the draught-pole, and C the handles.

The side pieces *a a* of the frame A are mortised to receive the upper ends of standards D, the mortises *b* being sufficiently long to admit of the standards D working therein.

The standards are secured in the mortises at any desired pitch or angle by means of wedges or keys *c*, and stay-rods *d*, the front ends of which are attached to a rod, *e*, fitted in an eye, *f*, secured to the under side of the draught-pole, the rod *e* being perforated at equal distances apart, through any of which a pin, *g*, passes.

By this arrangement, any desired degree of inclination or pitch may be given the shovels or shares E, as will be fully understood by referring to fig. 1.

The lower front parts of the standards D are chamfered off so as to form a surface at right angles with the draught-pole or line of draught, and admit of all the shovels being reversed, any share being attached to any standard, the former being secured to the latter, each by a bolt, *a x*.

The front shares are generally pointed, but the rear ones are nearly square, and they have oblique-shaped blocks *h* attached to their rear sides, as shown clearly in figs. 2 and 3.

These blocks give an oblique position to the rear shares, and by reversing their position, that is to say, shifting them from one rear standard to the other, the earth may be thrown towards or from the plants, as required, and in ploughing or operating in old corn-ground, the shovels or shares, when set obliquely, work to better advantage in throwing out the old roots or bottoms of the preceding crop.

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

The attaching of the upper ends of the standards B to the frame A, by pivoting the former in mortises *b* in the latter, in connection with the rods *d* and the adjustable bar *e* attached to the draught-pole, all arranged substantially as and for the purpose set forth.

Witnesses:

DANIEL R. LUCAS,  
S. F. CARTER.

ALEXANDER CAMPBELL.