(No Model.)

A. H. GABEREL.

CULTIVATOR POINT.

No. 458,338. Patented Aug. 25, 1891.

Fig. 1.

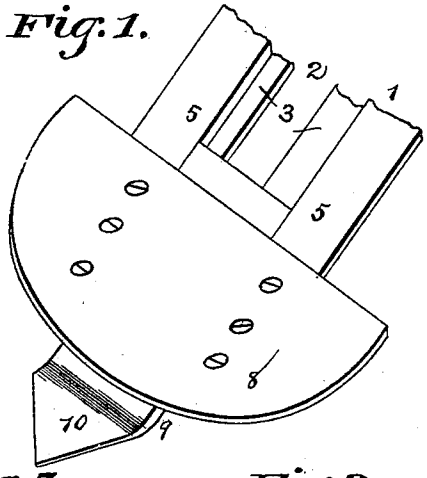


Fig. 5.

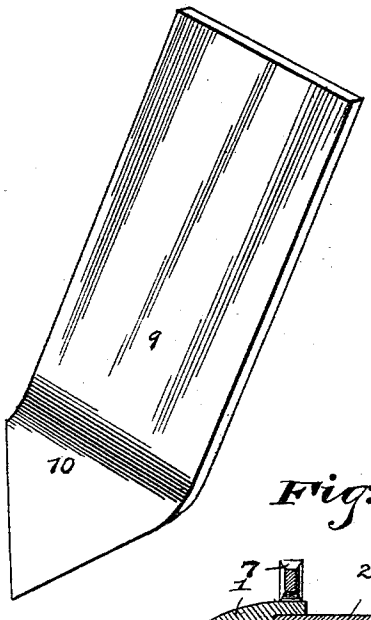


Fig. 2.

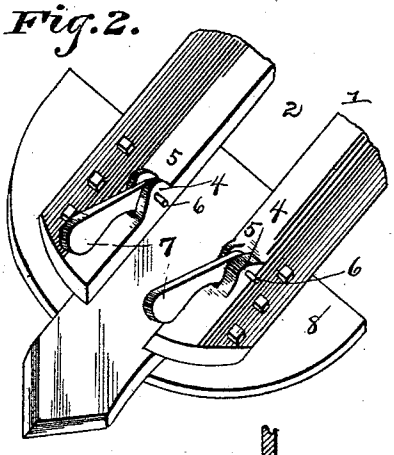


Fig. 4.

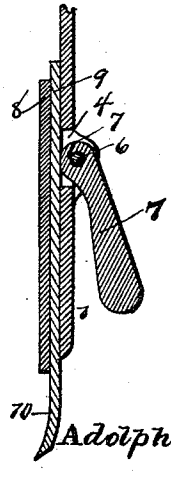
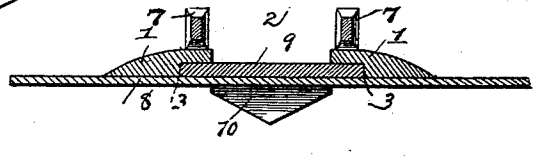


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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CULTIVATOR-POINT.

SPECIFICATION forming part of Letters Patent No. 458,338, dated August 25, 1891.

Application filed February 10, 1891. Serial No. 380,923. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH H. GABEREL, a citizen of the United States, residing at Fredericksburg, in the county of Wayne and State of Ohio, have invented a new and useful Cultivator-Point, of which the following is a specification.

My invention relates to improvements in cultivators; and the objects in view are to provide a cultivator especially adapted for cultivating corn, in which the points of the shovels thereof are removable and adjustable, and, furthermore, to provide an easily-operated and simple means of fastening and adjustability.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a perspective of the lower portion of one of the standards of the cultivator, the shovel, and the adjustable point, all constructed in accordance with my invention. Fig. 2 is a rear perspective of the same. Fig. 3 is a transverse section. Fig. 4 is a vertical longitudinal section. Fig. 5 is a detail of the point.

Like numerals of reference indicate like parts in all the figures of the drawings.

In practicing my invention I employ the usual number of cultivator-standards and shovels and to each shovel apply a point, and as the standards and shovels are alike a description of one is all that is necessary to secure a full understanding of my invention.

1 designates a standard, the lower end of which is bifurcated to form an intermediate opening 2, the opposite edges of which are undercut to form guides 3. Each of the bifurcations is provided upon its rear side opposite its guide with a pair of perforated bearing-ears 4, which occur at each side of a slot 5. Pins 6 are passed through the perforated ears, and upon the same are mounted eccentric-levers or binding-cams 7, the binding-faces of which extend through the slots into the guides. To the front faces of the bifurcations is riveted an ordinary shovel 8, in this instance of semicircular shape and flat, or the same may have any other shape desired.

9 designates the point, which is of a size to fit within and between the guides 3 immediately in rear of the shovel, and has its lower end slightly disposed to the front and reduced, as at 10. It will be observed that the cam-faces of the levers 7 serve to bind against the rear side of the point, thus clamping the same securely between themselves and the rear face of the shovel. By raising the lever 7 the point may be adjusted so as to extend a greater or less distance below the shovel, or said point may be entirely removed for the purpose of sharpening, repairing, &c.

From the above description it will be apparent that I have succeeded in providing a point that can be readily removed for repairing and other purposes, that is capable of adjustment, and all without the necessity of employing tools for such purpose, the adjustment being readily accomplished in the field.

In operation the shovels follow along successively in a row and serve to hill the corn in the usual manner.

Having described my invention, what I claim is—

The combination, with the depending bifurcated standard having undercut opposite edges, each bifurcation being provided with a slot and at each side of the same with a perforated lug, bearing-pins mounted in the lugs, eccentric or cam levers mounted on the pins, a shovel secured to the faces of the bifurcations, and a point inserted within and removable from between the undercut edges, and clamps between the cam-levers and the shovel, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ADOLPH H. GABEREL.

Witnesses:

W. R. SHIELDS,

A. C. SMITH.