

(Model.)

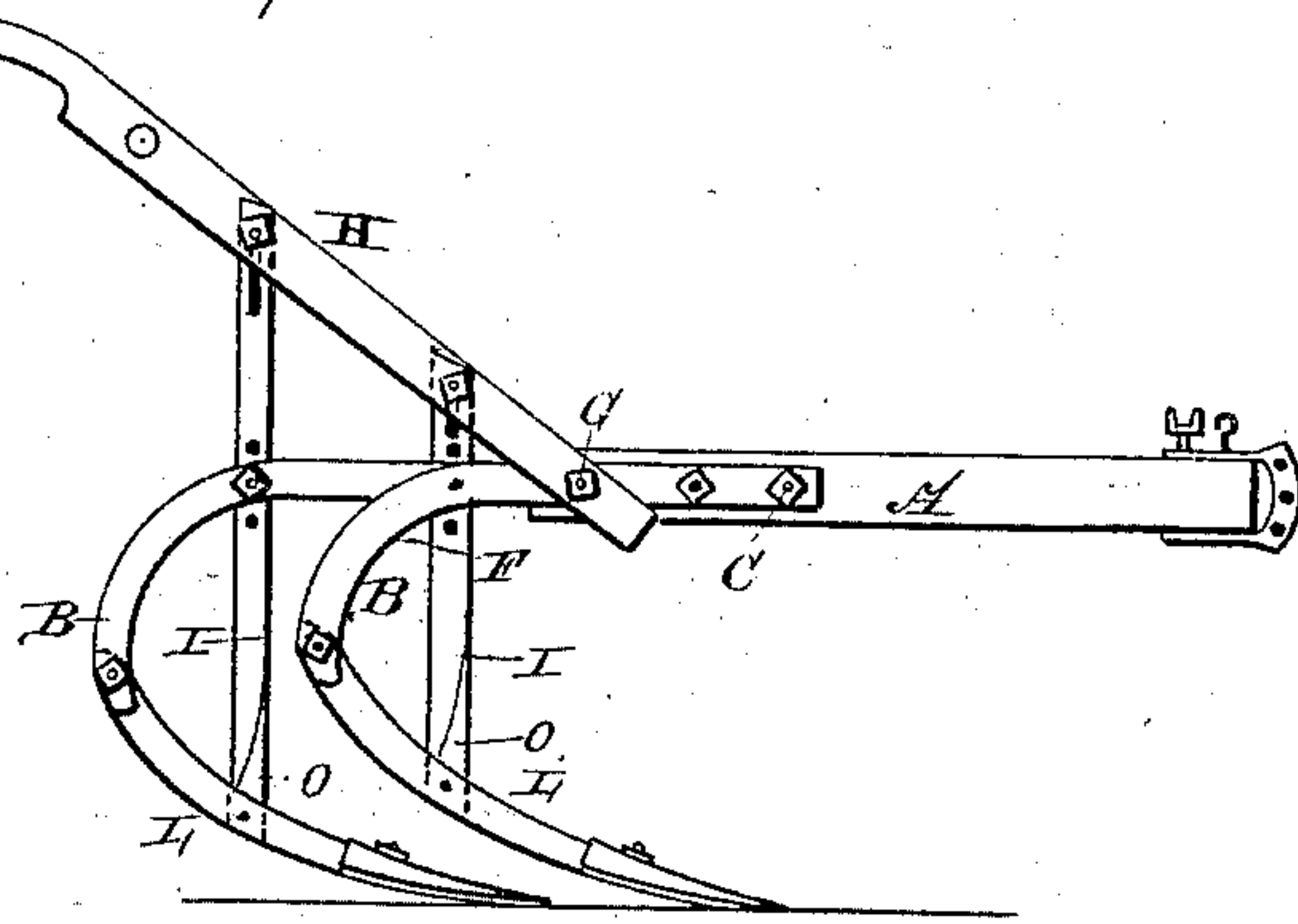
M. B. PARKS.

CULTIVATOR.

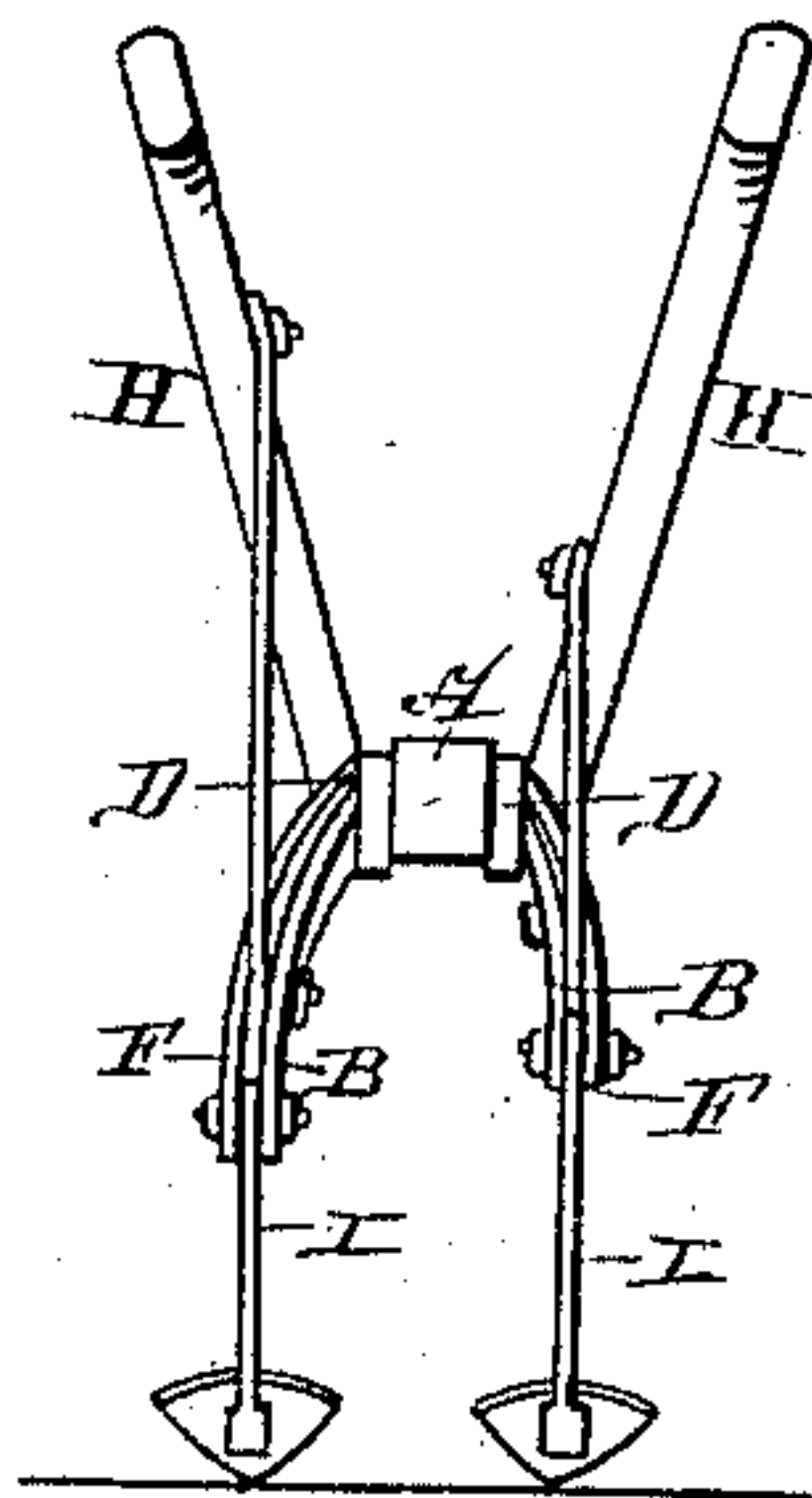
No. 311,912.

Patented Feb. 10, 1885.

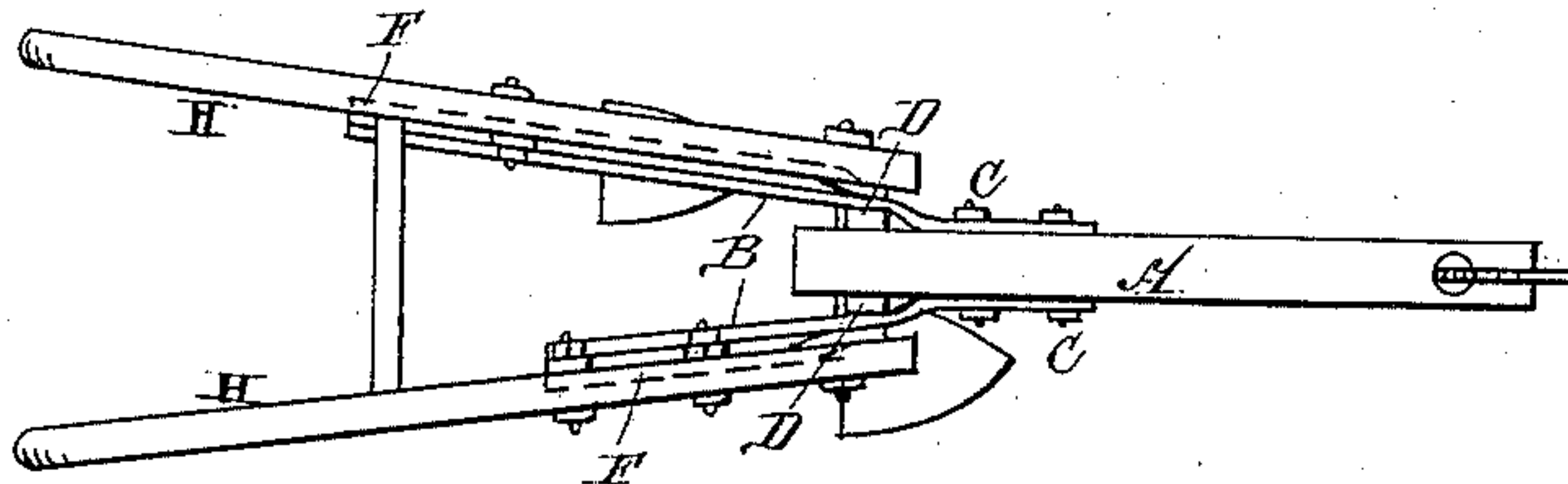
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



—Witnesses.—

*L. J. Gardner*  
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—Inventor.—

*M. B. Parks,*  
*per*  
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*Att'y.*

# UNITED STATES PATENT OFFICE.

MATHEW BUCHANAN PARKS, OF FAYETTEVILLE, TENNESSEE.

## CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 311,912, dated February 10, 1885.

Application filed June 23, 1884. (Model.)

*To all whom it may concern:*

Be it known that I, MATHEW B. PARKS, of Fayetteville, in the county of Lincoln and State of Tennessee, have invented certain new and useful Improvements in Cultivators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in cultivators; and it consists in, first, the combination of the rods, which are secured rigidly to the standards at their lower ends, and which are sharpened for the purpose of forming colters upon their front edges, with the pivoted standards, the double beams, and the handles; second, in the arrangement and combination of devices, which will be more fully described hereinafter.

The object of my invention is to adjust the handles and the standards, and support the handles by means of single rods, which are sharpened upon their front edges so as to form colters, and thus make the rods perform a threefold operation, to cheapen and simplify the construction, and produce a double-shovel cultivator in which the parts can be quickly and easily adjusted.

Figure 1 is a side elevation of a cultivator embodying my invention. Fig. 2 is a rear view. Fig. 3 is a plan view.

A represents a short wooden beam, to which the two inner curved rods, B, are secured by suitable bolts, C, which pass horizontally through all three pieces. The front ends of these two pieces B extend along evenly with the sides of the beam for a short distance, and then the rods are curved outward, so as to allow the wedges D to be inserted between them and the sides of the beam. These parts can be moved back and forth along the beam, for the purpose of forcing the rods B outward from the beam, or to allow them to be drawn closer to it, according to the distance it is desired to separate the two shovels. A second set of bars, F, is used in connection with the bars B, and this second set, F, is clamped against the outer side of the first set, B, by means of the bolt G, which passes through the two handles H

on the two sets of bars B F and the beam. This bolt serves not only to secure these parts rigidly together, but to also assist in adjusting the width between the shovels by forcing the bars B more or less tightly against the wedges D. When the bolt G is loosened, the wedges D can be moved forward in between the rear end of the beam and the parts B, and thus force the rear ends of the bars B farther apart; or the wedges can be moved backward as far as the bolt will allow, and thus allow the rear ends of the bars B to be forced together by means of the bolt, when the nuts upon it are tightened. The second set of braces, F, serve as a means of clamping the vertical braces I and the upper ends of the standards L against the bars B. The vertical braces I are pivotally secured to the pivoted standards L, and pass up between the bars B F, where they are provided with a series of holes for the purpose of vertical adjustment, and are slotted at their upper ends to allow the clamping-bolt for the handles to pass through. The handles being pivoted upon the bolt G, and being secured to the upper slotted ends of the bars I, they can be freely adjusted up and down the length of the slots in the bars, and thus made to accommodate the height of the person using the cultivator. The standards L being pivoted at their upper ends between the bars B F, they can be freely adjusted by means of the holes through the bars I, and thus the angle to which the shovels shall enter the earth is regulated. These bars I, being secured to the standards at a suitable distance above the upper edges of the shovels, are sharpened at their front edges at O, for the purpose of forming colters.

It will be seen from the above that the braces I form colters, and means for adjusting the standards, and as supports for the handles. By thus making one part perform three functions the construction is both simplified and cheapened, and a stronger and more rigid implement produced than if a number of rods and braces were used in the usual manner.

Having thus described my invention, I claim—

1. In a cultivator, the combination of the pivoted handles, the bars secured rigidly to



the beam, the standards pivoted to the lower ends of the bars, and the rods I, pivoted to the standards and adjustable upon the bars B, substantially as shown.

- 5 2. The combination of the beam, the bars B F, rigidly secured thereto, the standards pivoted to the bars, the rods I, pivoted at their lower ends to the standards and at their

upper ends to the bars and handles, and the attaching bolts, substantially as set forth. 10

In testimony whereof I affix my signature in presence of two witnesses.

MATHEW BUCHANAN PARKS.

Witnesses:

J. M. WORDEN,

AMBROSE D. RUTH.