

(No Model.)

I. J. SCOTT.
CULTIVATOR.

No. 462,742.

Patented Nov. 10, 1891.

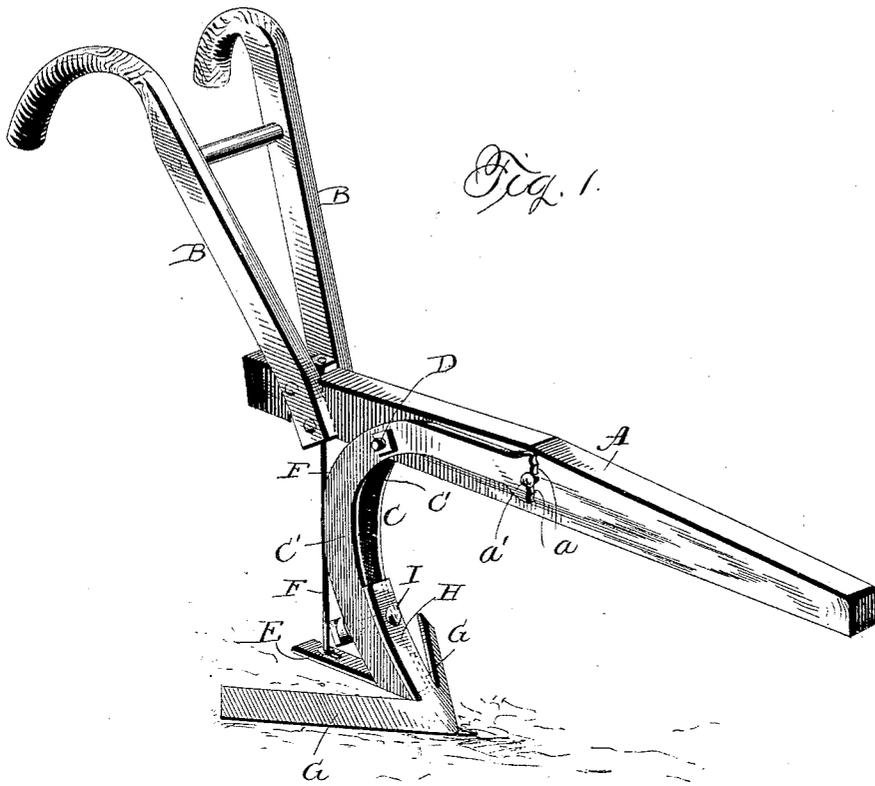


Fig. 1.

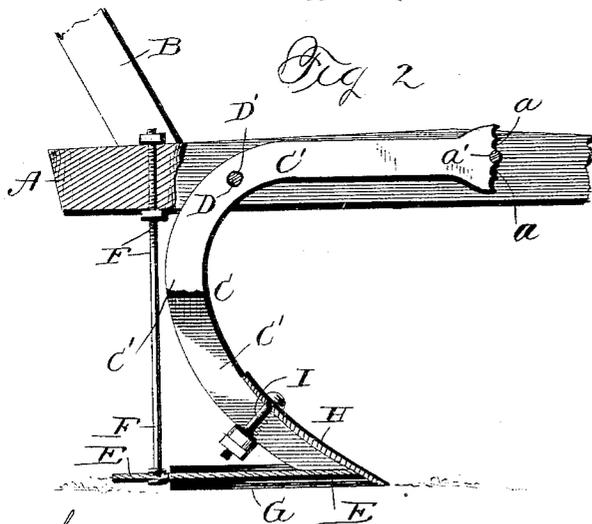


Fig. 2.

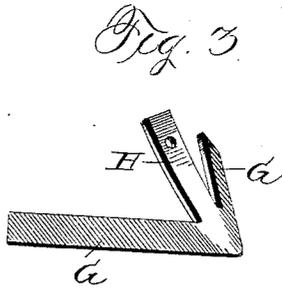


Fig. 3.

Witnesses
C. J. Williamson
A. L. Hough

Inventor
Ira J. Scott,
by Franklin H. Hough
his attorney

UNITED STATES PATENT OFFICE.

IRA JAMES SCOTT, OF JACKSONVILLE, NORTH CAROLINA.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 462,742, dated November 10, 1891.

Application filed July 3, 1891. Serial No. 398,414. (No model.)

To all whom it may concern:

Be it known that I, IRA JAMES SCOTT, a citizen of the United States, residing at Jacksonville, in the county of Onslow and State of North Carolina, have invented certain new and useful Improvements in Cultivators; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in cultivators; and it relates more particularly to that class of cultivators which are specially adapted for use in the cultivation of corn and cotton and which are commonly denominated "cotton-scrapers."

The invention has for its object to simplify and cheapen the construction and to render more serviceable in operation this class of devices, the essential improvement consisting in the means which will be hereinafter described, whereby the various operative parts are rendered adjustable, so as to adapt the scraper to the nature of the work to be performed and to the condition of the soil, &c.

To these ends and to such others as the invention may pertain the same consists in the peculiar construction and in the novel combination, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters indicating the same parts throughout the several views, and in which drawings—

Figure 1 is a perspective view of a cultivator or cotton-scraper embodying my improvements. Fig. 2 is a longitudinal central section of the same. Fig. 3 is an enlarged detail in perspective of the heel-scrapers detached.

Reference now being had to the details of the drawings by letter, A represents the plow-

beam, and B B the handles, which are of ordinary and well-known construction.

The standard C consists of two curved plates C', which are pivotally connected to the plow-beam by means of a bolt D, which is passed through slots D', formed in the plates at a point some distance to rear of the forward ends of the plates. The portions of the plates C' which intervene between the pivotal points above mentioned and the extreme forward ends of the plates fit against the sides of the plow-beam, and the extreme ends of the plates are provided with a series of notches *a a*, which notches are adapted to engage a bolt or pin *a'* for a purpose which will presently appear. The lower ends of the plates C' are secured to the forward end of a horizontal plate E, which plate extends for a considerable distance to the rear of the standard C, and is connected with the rear end of the plow-beam by a suitable brace-rod F, the upper end of the said rod being adjustable, as shown.

The scraper-wings G G and upwardly and rearwardly inclined strip H are formed in a single casting, which is adjustably attached to the plow-stock by means of a bolt I, passed through the portion H and extended through the space between the plates C' composing the standard.

The operation of the device is simple, and will from the foregoing description, in connection with the accompanying drawings, be readily understood. The scraper-wings may be quickly and easily adjusted by loosening the bolt I, and the plow-stock may be as readily adjusted when desired by means of the bolt D and raising or lowering the forward ends of the plates C', so as to cause the notches to engage with one or the other of the pins *a'*, as desired.

It is deemed important that the rod F be not pivoted to the plate E, but that it extend from the beam to said plate in a vertical position. A pivotal position permits too much play.

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

The cultivator described, consisting of the beam, the handles, the curved plates C' C',

pivotaly connected to the beam, one upon
each side thereof, the forward ends of the
plates being widened and notched, the pin *a*
in the beam, the horizontal plate E, secured
5 to the lower ends of said plates C', the verti-
cally-adjustable rod connecting the rear end
of the plate E with the beam, the scraper-
wings having integral upwardly and rear-
wardly curved strip H, adjustably secured to

the plates C', and the bolt I, passed through 10
the strip and between the plates C' C', all
substantially as shown and described.

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

IRA JAMES SCOTT.

Witnesses:

L. L. HOYT,
J. F. GILES.