

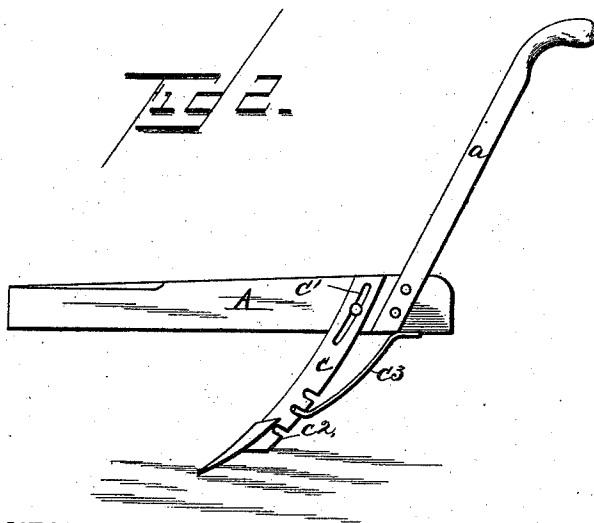
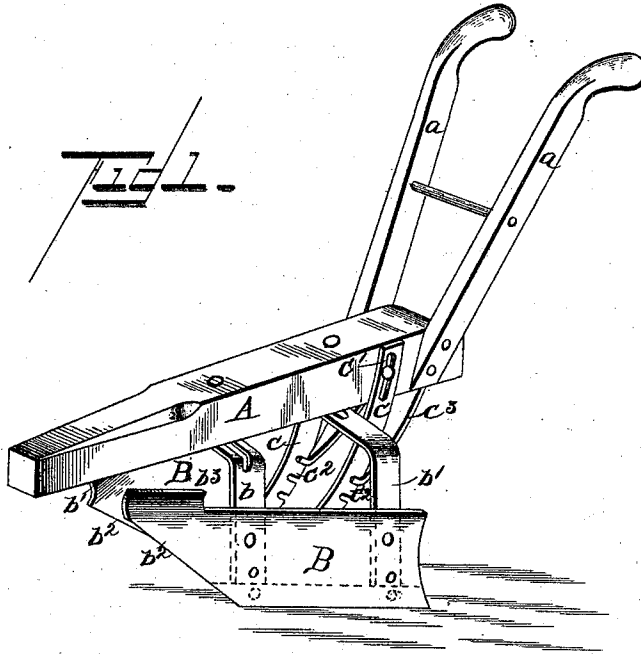
(No Model.)

2 Sheets—Sheet 1.

M. R. & R. B. VINSON.
COTTON SCRAPER.

No. 470,457.

Patented Mar. 8, 1892.



WITNESSES
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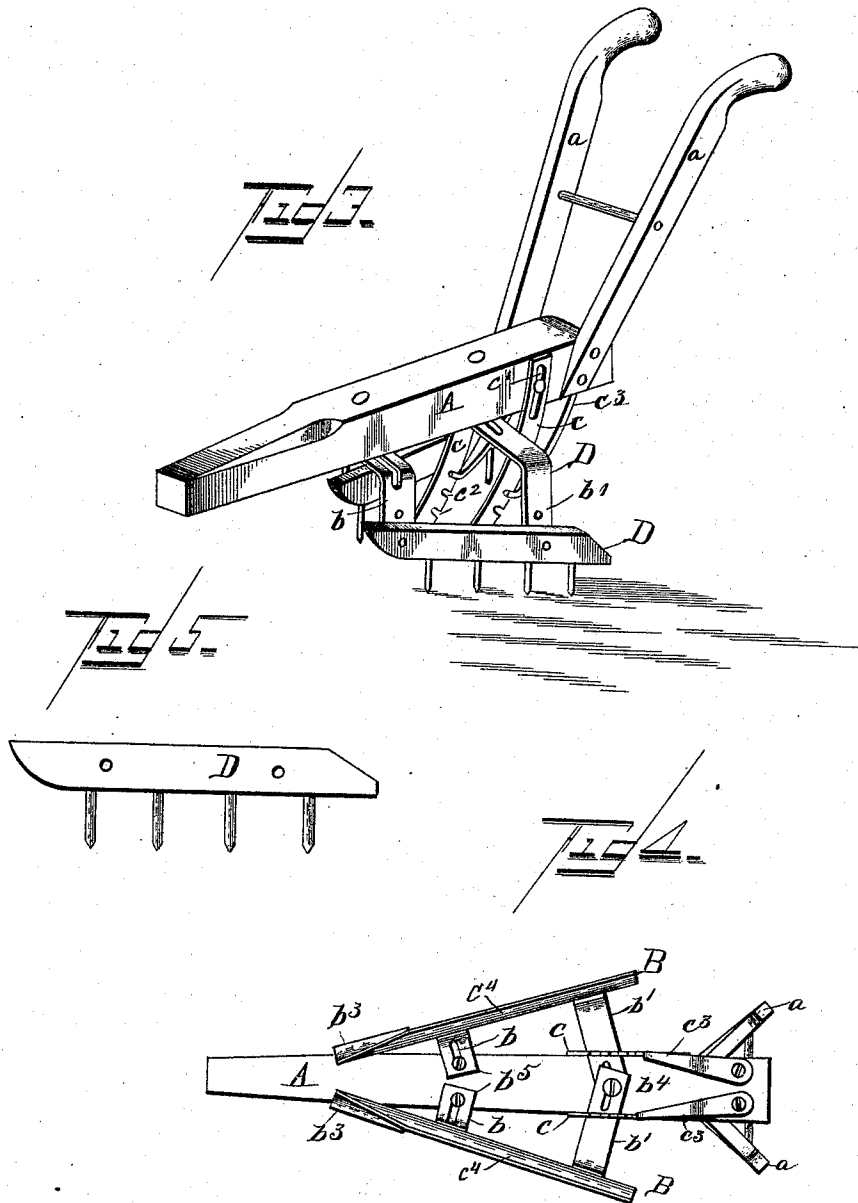
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UNITED STATES PATENT OFFICE.

MICHAEL RINEHARDT VINSON AND ROBERT BURTON VINSON, OF ROSSTON,
ARKANSAS.

COTTON-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 470,457, dated March 8, 1892.

Application filed November 16, 1891. Serial No. 412,064. (No model.)

To all whom it may concern:

Be it known that we, MICHAEL RINEHARDT VINSON and ROBERT BURTON VINSON, citizens of the United States, residing at Rosston, in the county of Nevada and State of Arkansas, have invented certain new and useful Improvements in Cotton Scrapers and Harrows; and we 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.

Our invention has relation to cotton-scrapers; and it consists in the novel construction and arrangement of its parts.

In the accompanying drawings, Figure 1 is a front perspective of our invention. Fig. 2 is a side elevation of our invention with the scrapers and their supporting-arms removed. Fig. 3 is a front perspective having the scrapers removed and harrows attached. Fig. 4 is a bottom plan view of our invention. Fig. 5 is a side elevation of one wing of a harrow.

In the accompanying drawings, A represents the beam; *a*, the handles; B, the scrapers; *b* and *b'*, the scraper-arms; *c*, the plow-standards; *c'*, the standard-braces, and D the harrows.

A is an ordinary beam provided with the usual handles. On each side of the beam and near its rear end are pivoted the plow-standards *c*. These plow-standards are provided near their upper ends with slots *c'*, through which they are bolted to the said beam, and by this means are adjustable upward or downward, and near their lower ends with notches *c''*, into which fit the lower ends of the braces *c'*. It will be seen that said plow-standards may be raised by loosening the bolt and slipping them up and putting the lower ends of the braces in lower notches, or they may be moved down in the same way and the braces put in upper notches, or they may be pitched farther forward or backward by keeping them stationary at their upper ends and putting the braces in the upper and lower notches. Said braces *c'* are secured to the lower face of the beam; but they may be slotted and se-

cured to the sides of the beam in the same way that the plow-standards are.

Each one of the scrapers is provided with a beveled nose *b''* in order to give the proper pitch to the top of the row, and is also provided with a wing *b'''* to turn the dirt over and away from the crop, and is secured to the arms by four bolts, two in its front end and two in its rear end. The rear arms *b'* are provided with slots and pivoted to the bottom of the beam by a bolt *b''*. The front arms are provided with slots and are bolted to the beam by bolts *b'''*; but they may be lapped and secured by one bolt, so that the front or rear ends of said scrapers may be brought nearer or carried farther apart. To the lower ends and against the inner faces of the said arms *b* and *b'* are bolted landsides *c''* to keep said scrapers from running too deep into the ground.

In some cases instead of using the scrapers we use harrows D, which are not so wide as the scrapers, and are consequently only bolted through the lower holes in the arms *b* and *b'*.

This invention is used, chiefly, to scrape young cotton. The nose of each scraper runs close to the cotton and turns the dirt away from it and over, thus leaving a perfectly-smooth row. The plows attached to the standards follow and dirt each side of the cotton. The standards may be removed and the crop simply scraped. The scrapers may be removed and the cotton simply dirted. A great many farmers like to dirt up their cotton before barring it off or scraping, and by using the harrows and the small plows they can kill all the grass on the sides of the beds, pulverizing the ground, and the little plows can dirt the cotton, then in about a week put on the scrapers and scrape the cotton ready for chopping. Crops other than cotton may be cultivated in the same way by our invention.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination of the handles *a*, beam A, plow-standards *c*, having the slots *c'* and the notches *c''*, standard-braces *c'*, secured to said beam and having their lower ends adapted to enter the notches *c''*, slotted arms *b'*, pivoted to the lower face of the beam by a bolt

. b^4 , slotted arms b , bolted to the lower face of
the beam by bolts b^5 , landsides c^4 , secured
to the inner faces and lower ends of the arms
 b and b' , scrapers B, having the sloped nose
5 b^2 , curved wings b^3 , and secured to the said
arms, substantially as shown and described,
and for the purposes set forth.

2. The combination of the handles a , beam
A, plow-standards c , having the slots c' and
10 the notches c^2 , standard-braces c^3 , secured to
said beam and having their lower ends adapt-
ed to enter the notches c^2 , slotted arms b' , piv-

oted to the lower face of the beam by a bolt
 b^4 , slotted arms b , bolted to the lower face of
the beam by bolts b^5 , said arms adapted to 15
carry either scrapers B or harrows D, sub-
stantially as shown and described.

In testimony whereof we affix our signatures
in presence of two witnesses.

MICHAEL RINEHARDT VINSON.
ROBERT BURTON VINSON.

Witnesses:

T. M. ORR,
T. P. FINCHER.