

N. G. BLAUSER.
Corn Cultivators.

No. 141,988.

Patented August 19, 1873.

Fig. 1.

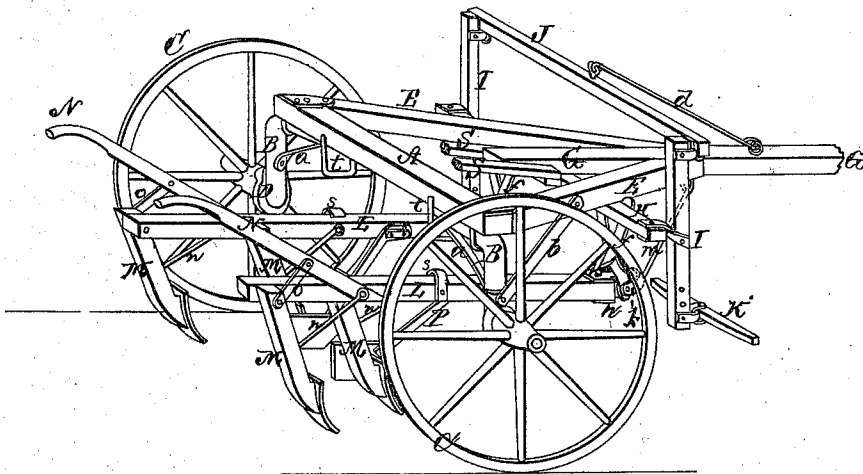


Fig. 2.

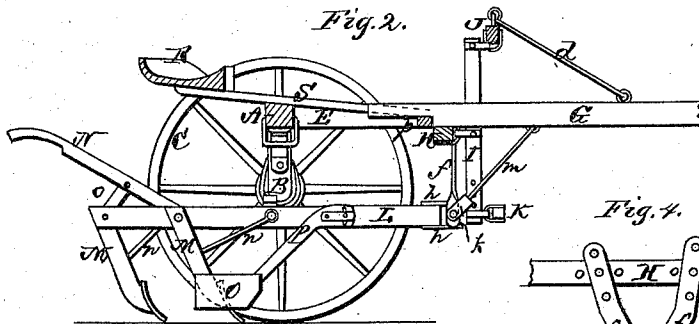


Fig. 4.

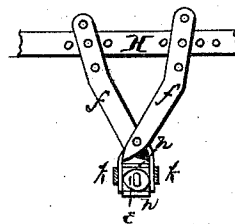
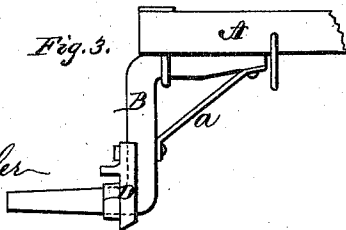


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

NOAH G. BLAUSER, OF ETNA, OHIO.

IMPROVEMENT IN CORN-CULTIVATORS.

Specification forming part of Letters Patent No. **141,988**, dated August 19, 1873; application filed May 14, 1873.

To all whom it may concern:

Be it known that I, NOAH G. BLAUSER, of Etna, in the county of Licking and in the State of Ohio, have invented certain new and useful Improvements in Corn-Cultivators; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a cultivator, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view, and Fig. 2 a longitudinal vertical section, of my cultivator. Figs. 3 and 4 are enlarged views of detached parts thereof.

A represents the axle-tree, on the under side of which, at each end, is secured a wrought-iron bent bar, B, the lower ends of said bars forming outward spindles for the reception of the driving-wheels C C. The lower end of each bar B is braced underneath by a brace, *a*, and on the outside by a brace, *b*, the bolt which fastens said braces to the bar also fastening a collar or shield, D, on the bar, which incloses or covers the inner end of the hub of the wheel C to prevent dust and dirt from coming in between the hub and the spindle. The front ends of the braces *b b* are fastened to side bars E E, the rear ends of which are secured to the ends of the axle-tree A, while the front ends are secured to the tongue G passing between them. H is a cross-bar secured to the under side of the tongue and side beams, and running parallel with the axle-tree A. To each end of this cross-bar H is flexibly attached an upright bar, I, and the upper ends of these bars I I are connected by means of the double-tree J, the connections between said double-tree and upright bars being flexible. The center of the double-tree J is by a rod, *d*, connected with the tongue G, the ends of said rod being hooked into eyes or staples on the double-tree and tongue, as shown in Figs. 1 and 2. K K are the single-trees, which are attached to the lower ends of

the bars I I and adjusted up and down on the same at will, so as to take the draft off from the horses' necks. On the front side of the cross-bar H, on each side of the tongue G, are attached two braces, *f f*, which are crossed and united together, as shown in Fig. 4, their lower ends being twisted, and having a ball, *e*, or its equivalent, pivoted between them. L represents the cultivator-beam, provided on its upper and lower side, at the front end, with projecting irons *h h*, which are pivoted on top and bottom of the ball *e*. The same bolt which pivots said ball to the braces *f f* also fastens a stirrup, *k*, which is, by a rod, *m*, connected with the side brace or beam E. The braces *f f* are perforated, so that they can be raised or lowered at will, and they can also be adjusted to either side by means of perforations in the cross-bar H, and thus the cultivator-plows may be adjusted for any kind of work desired. On each beam L are attached plow-standards M M and a handle, N, braced by means of braces *n* and *o*. For each of the front plows on the beams L L is a fender, O, attached to a shank, P, and this shank adjustably connected to the beam L, so that the fender can be adjusted in any desired position. R represents the driver's seat, attached to two parallel spring-bars, S S, resting upon the axle-tree A, the front ends of said bars being connected by a cross-piece, *p*, bearing against the under side of the rear end of the tongue G.

On each beam L is a hook, *s*, to fasten in a staple, *t*, on the under side of the axle-tree, to suspend the plows in moving to and from the field.

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

The combination of the beams L, plates *h h*, ball *e*, braces *f f*, stirrup *k*, and rod *m*, for making a joint and adjustable connection for the front end of the beams, as is herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of April, 1873.

NOAH G. BLAUSER.

Witnesses:

WILLIAM RANCH,
J. F. CONINE.