

Cultivators.

No. 144,740.

Patented Nov. 18, 1873.

Fig 1.

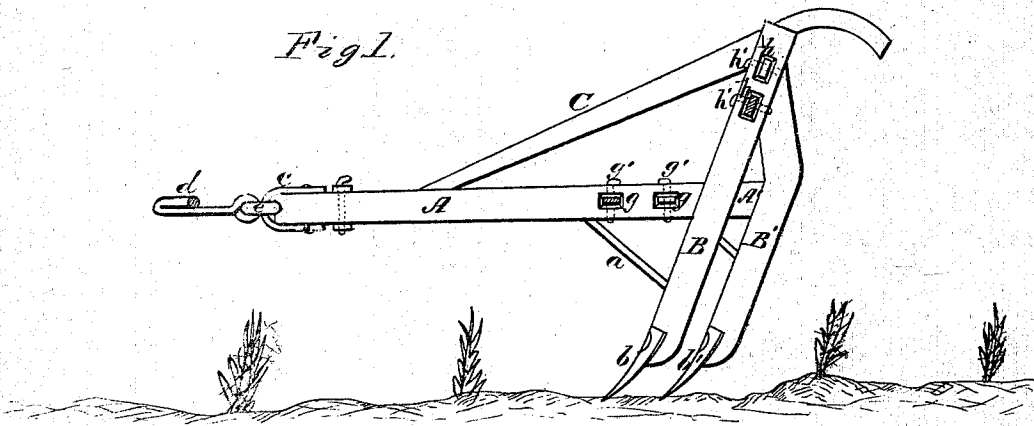


Fig. 2.

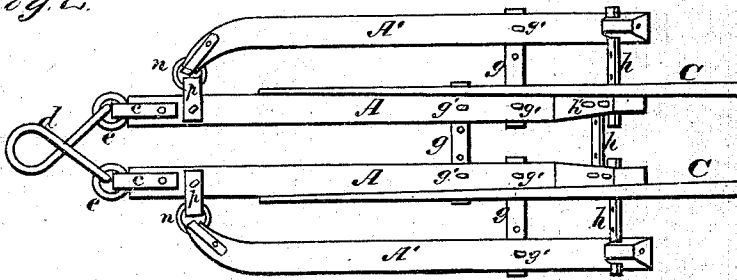
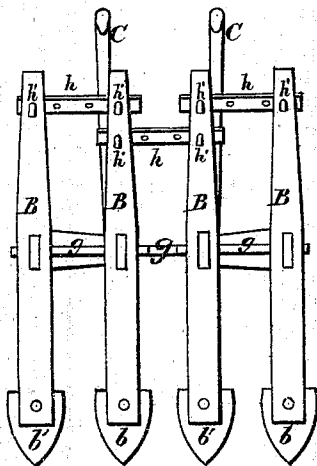


Fig. 3.



Witnesses
E. A. Bates.
Phil C. Masi,

 *Inventor.*
R. S. Cavett.
Chipman House & Co
Atty

UNITED STATES PATENT OFFICE.

RICHARD S. CAVETT, OF BEDIAS, TEXAS.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. 144,740, dated November 18, 1873; application filed September 6, 1873.

To all whom it may concern:

Be it known that I, RICHARD S. CAVETT, of Bedias, in the county of Grimes and State of Texas, have invented a new and valuable Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of my plow. Fig. 2 is a top view of same. Fig. 3 is a back view of same.

The object of this invention is to connect together the beams and standards of gang plows or cultivators by means of loose joints or links, for the purpose of allowing the plowman to manipulate the plows as he may find it necessary.

In the annexed drawing, A A represent two beams, which are parallel to each other, and to the rear ends of which inclined standards B B are rigidly secured, carrying on their lower ends cultivator-shovels *b b*. Handles C C are also secured to the two beams A A, and to the upper ends of the two standards B B, by means of which the shovels are manipulated. Outside of these beams A A, and running parallel thereto, are two more beams, A' A', whose standards B' B' carry shovels *b' b'*, and are somewhat bent for the purpose of allowing their upper ends to be arranged in line with the corresponding ends of the standards B B. The two intermediate standards are connected together by a link, *h*, which is pivoted at *h' h'*, and the two beams A A are connected together by a link, *g*, which is pivoted at *g' g'*. The front ends of these beams have eyes *e e* connected to them by means of straps *c c*, and to the eyes a draft-clevis, *d*, is linked. The holes through the beams A A and stand-

ards B B, for the reception of the links *g h*, are sufficiently large to allow said parts to receive free longitudinal and vertical motion, so that one shovel may be advanced beyond the other, or raised above the other, while the machine is being drawn along between the rows. The outside beams are attached to their respective intermediate beams by means of a loose-jointed link, *h*, and a shackle, *p n*, and the upper end of each standard B' is attached to its adjacent standard B by means of a link, *h*. The links *h g* and the shackle *p n*, which connect beams B' to beams B, allow the beams B' to receive free longitudinal and vertical play.

It will be seen that the four beams are independently adjustable, and that the plowman can move them as he wishes, and accommodate the positions of the shovels to the rows of plants and motions of the horse.

The beams and standards are also adjustable laterally by means of supernumerary holes through the several links *g h*. The drawings represent a four-shovel gang-cultivator, but the improvement is applicable to various kinds of plows and cultivators.

I disclaim the devices shown in the patent granted to Thos. McQuiston, dated October 18, 1859.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of beams A A A' A' and standards B B B' B' with the loose link-connections *g h e e d* and *p n*, as and for the purposes described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

RICHARD SAVANNAH CAVETT.

Attest:

ALEX. C. BOGGS,
WM. M. BAINES.