2 Sheets—Sheet 1.

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CULTIVATORS.

No. 183,183. Patented Oct. 10, 1876.

Fig. 1.

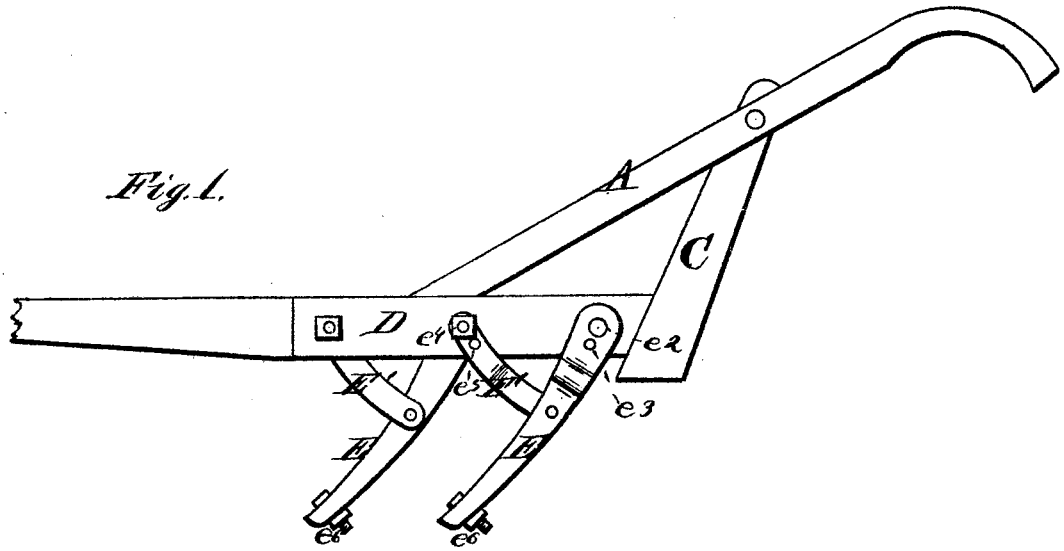


Fig. 3.

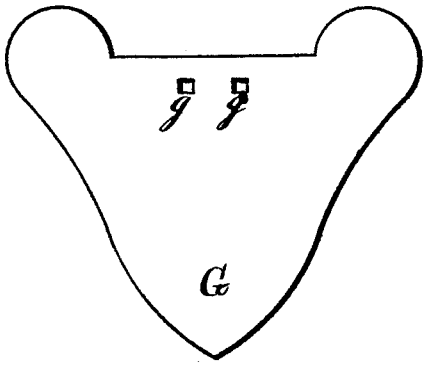


Fig. 2.

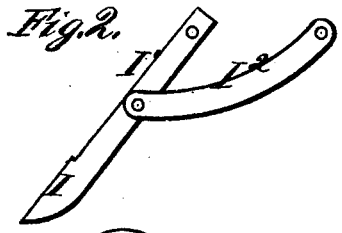


Fig. 4.

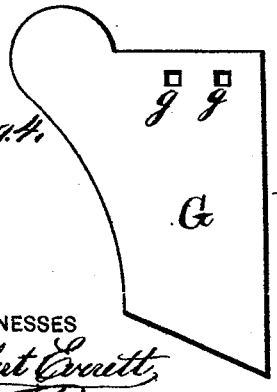
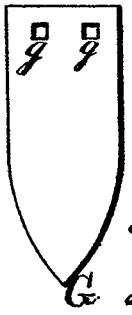


Fig. 5.



WITNESSES

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2 Sheets—Sheet 2.

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Fig. 6.

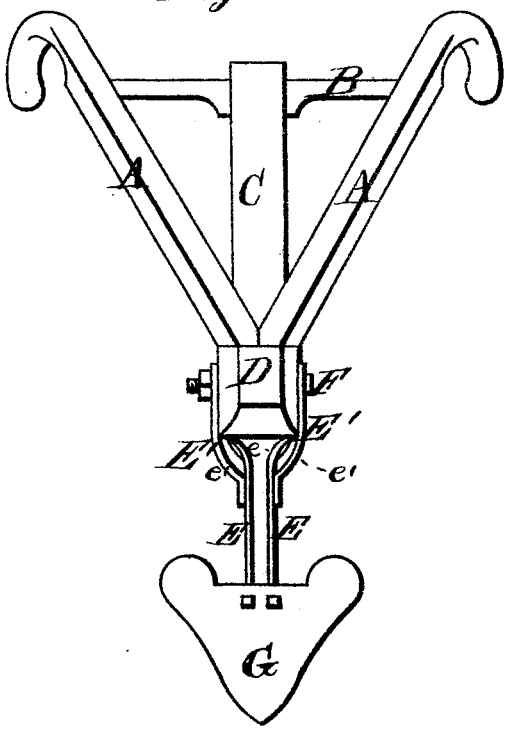


Fig. 7.

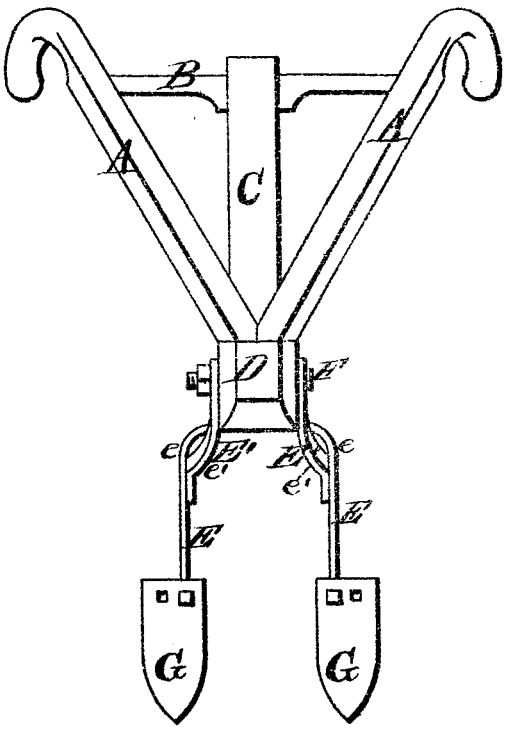
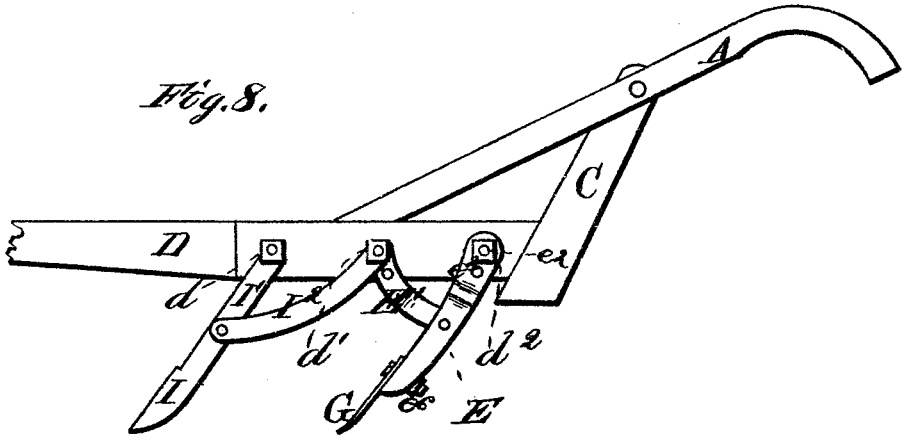


Fig. 8.



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UNITED STATES PATENT OFFICE.

WILLIAM MANLEY, OF MINDEN, LOUISIANA.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. **183,183**, dated October 10, 1876; application filed July 29, 1876.

To all whom it may concern:

Be it known that I, WILLIAM MANLEY, of MINDEN, in the county of Webster and State of Louisiana, have invented a new and valuable Improvement in Plow and Walking-Cultivator; 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 a side view; and Figs. 2, 3, 4, and 5 are detail views. Figs. 6 and 7 are front elevations, and Fig. 8 is also a side view.

This invention relates to stocks and standards for plows and cultivators; and consists in the novel construction of the curved standards carrying plows, whereby the said plows can be arranged outward and inward, in the manner as will be hereinafter more fully set forth.

In the accompanying drawings, A A designate the handles of the plow, and B the cross-piece connecting the same. C is an upright brace, connecting said cross-piece to beam D. Said beam is perforated from side to side at d d^1 d^2. E E are standards, preferably constructed of metal, and each one is provided with a forward-extending brace or rigid arm, E′. Said standards and braces are bent laterally at e e^1, so that they will either set under the middle line of the beam or at some distance on both sides thereof. Each standard E is also provided at its upper end with two perforations, e^2 e^3, and each brace E′ is also provided at its upper end with two perforations, e^4 e^5. By means of these perforations the standards E may be adjusted vertically on plow-beam D, being secured by bolts F. Said standards are each divided at the bottom, and provided with clamp-screws e^6, for securing to them the plow-points G. Each of said points is provided with two holes, g g, at the top, whereby it may be adjusted inwardly or outwardly, or attached to two standards at once, as hereinafter described.

By the above construction standards E E may be brought together under the plow, as shown in Fig. 6, so as to give a double brace to the plow in breaking heavy land; or one may be set directly ahead of the other, the rear point and standard being adjusted lower than the front one; or, by shifting said standards to the opposite sides of beam D, (so as to exchange places,) they may be made to straddle a considerable space, standing parallel, as in Fig. 7, or one standing forward and the other back, as in Fig. 1. Fig. 8 shows a colter, I, provided with a standard, I^1, and brace I^2, all constructed in one piece or rigidly attached together. It is intended for use with the plow, whether the plow-point be supported by two standards or one.

Many other arrangements of the above-named elements may be made, so as to fit the device for all the various kinds of work required of a plow or cultivator in operating on any kind of ground, from the heaviest to the lightest.

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

The combination of beam D with bent standards E E and shovel G, whereby said standards may be adjusted far apart or close together by simply transposing them, substantially as and for the purpose set forth.

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

WILLIAM MANLEY.

Witnesses:
C. C. CHAFFEE,
J. W. BERRY.