T. G. ANDREWS & A. RIVIERE.

Plows.

No. 141,533. Patented August 5, 1873.

Fig. 1.

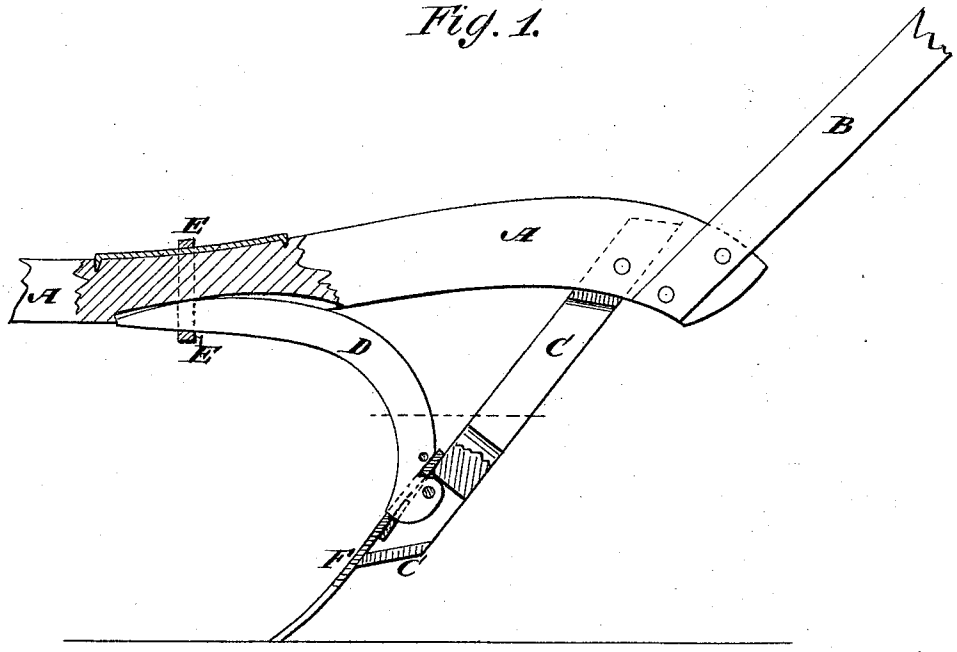

Fig. 4.

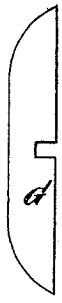

Fig. 2.

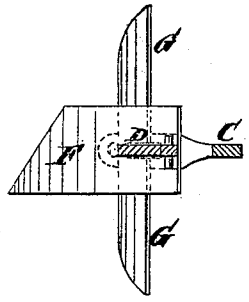

Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS G. ANDREWS AND ANDREWS RIVIERE, OF BARNESVILLE, GA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **141,533**, dated August 5, 1873; application filed May 17, 1873.

To all whom it may concern:

Be it known that we, THOMAS G. ANDREWS and ANDREWS RIVIERE, of Barnesville, in the county of Pike and State of Georgia, have invented a new and useful Improvement in Plows, of which the following is a specification:

Figure 1 is a side view of our improved plow, parts being broken away to show the construction. Fig. 2 is a detail section of the same taken through the line *x x*, Fig. 1. Fig. 3 is a detail view of one of the plow-plates. Fig. 4 is a detail view of a scraper.

Similar letters of reference indicate corresponding parts.

Our invention has for its object to improve the construction of plows, so that the plow-plates may be secured firmly to the standard without bolts, and in such a way as to present no unevenness for the soil to catch upon, and which will enable the plow-plate to be quickly attached and detached. The invention consists in the lever-brace, pivoted at its rear end to the slotted lower end of the plow-standard, secured at its forward end detachably to the plow-beam, and provided with a shoulder or pin for securing the plow-plate detachably to said standard, as hereinafter fully described.

A represents the plow-beam, to the rear end of which are attached the handles B and the standard C. The lower part of the standard C is mortised or recessed to receive the lower end of the lever-brace D, which is pivoted in said recess by a pin, rivet, or bolt. The upper end of the brace-lever D projects along the under side of the beam A, and enters a longitudinal groove in said beam, where it is secured in place by a band, E, slipped over it upon said beam. F is the plow-plate, in the upper part of which is formed a slot to receive the brace-lever D, which slot is passed over the forward end of the brace-lever D, and slipped back until the said plow-plate F rests upon the standard C, where it is held in place by a shoulder formed upon the upper edge of the rear part of the said brace-lever D, the rear end of the brace-lever projecting forward sufficiently to rest against the plow-plate at the lower end of the slot in said plow-plate, and thus lock it in place. If desired, the slot in the plow-plate F may be extended out through the end of said plate, as shown in Fig. 3. In this case the upper end of the plow-plate is held in place by a pin passed through a hole in the brace-lever D. The forward side of the lower part of the standard C is concaved or recessed to give elasticity to the plow-plate, and to form a recess to receive a scraper, G, when required.

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

The lever-brace D, pivoted at its rear end to the slotted lower end of the standard C, secured at its forward end detachably to the beam A, and provided with a shoulder or pin for securing the plow-plate F detachably to said standard C, substantially as herein shown and described.

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