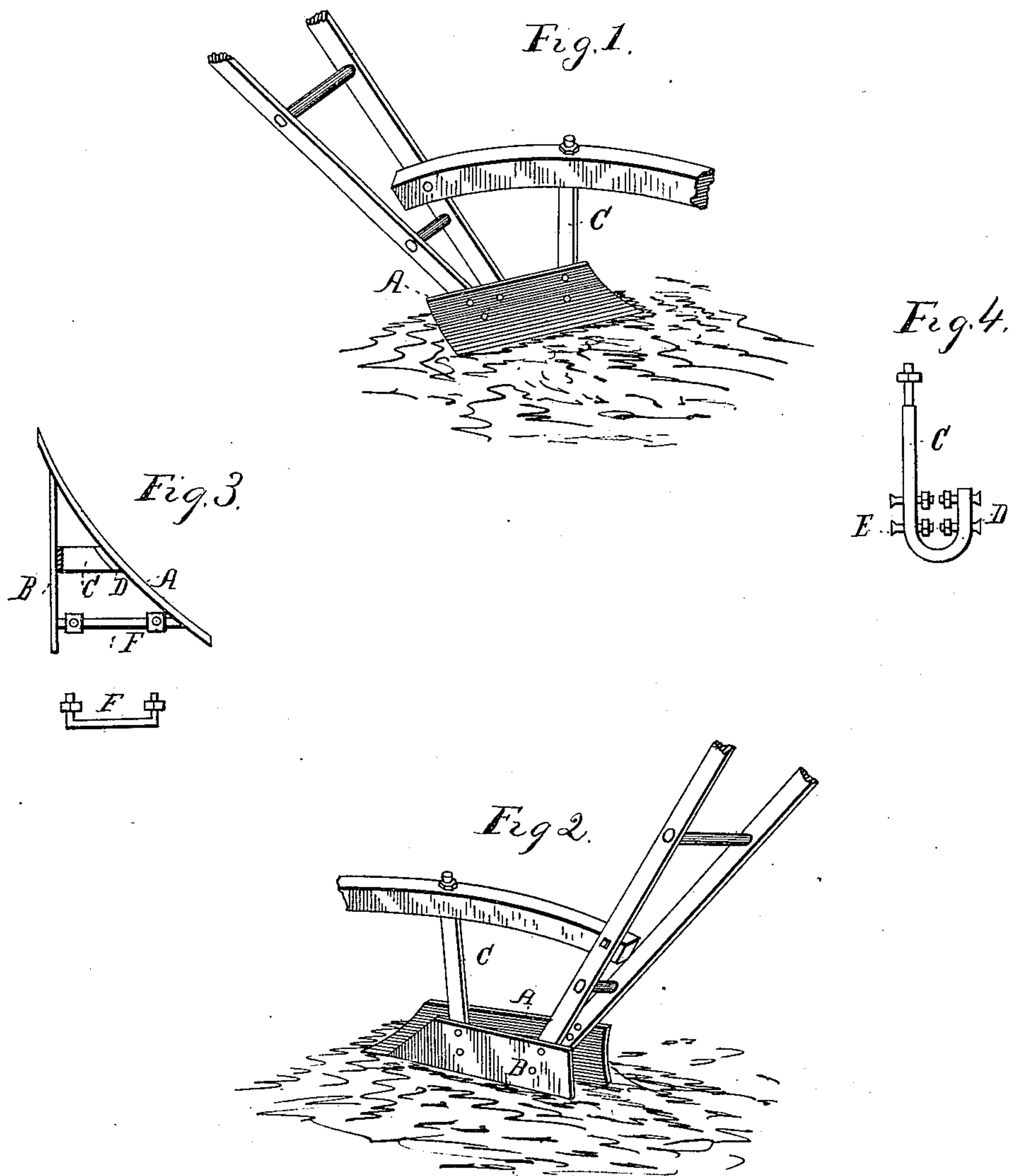


(No Model.)

R. COOPER.  
COTTON SCRAPER.

No. 335,507.

Patented Feb. 2, 1886.



Witnesses:

W. A. Jones

W. B. Gray

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# UNITED STATES PATENT OFFICE.

RICHARD COOPER, OF GREENVILLE, TEXAS.

## COTTON-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 335,507, dated February 2, 1886.

Application filed October 3, 1883. Renewed November 11, 1885. Serial No. 182,462. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD COOPER, a citizen of the United States, residing at Greenville, in the county of Hunt and State of Texas, have invented certain new and useful Improvements in Cotton-Scrapers; and I do hereby 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.

The object of this improvement is to produce a cotton-scraper of economical construction that will cut a wider furrow with lighter draft, do the work more perfectly, and at the same time be more easily held to the row than the scrapers in present general use.

Another object of this improvement is to get an implement for this work that may be conveniently disconnected for the purpose of repairing by the attachment of new parts.

The features of novelty which characterize the invention are to be found in the peculiar arrangement of the parts and the manner of connecting them together, as will be herein- after more fully described, and more particularly set forth in the claim. The results mentioned are attained by the mechanism illustrated in the accompanying drawings, making part of this specification.

Figure 1 is a perspective view of my improvement as seen from the share or scraper side. Fig. 2 is rear elevation, in perspective. Fig. 3 is a top view of the scraper, landside-plates, and the parts connecting them together. Fig. 4 is a view of the beam-post detached from the other parts.

Similar letters of reference denote corresponding parts throughout the different views.

Referring to Fig. 1, A is the scraper, which sets at an angle of about forty-five degrees and extends across and also projects forward of the landside-plate B. The scraper-plate A has an inward curve of one-half an inch from its lower to its upper edge. This curve serves to catch all the dirt and throw it away from the cotton-plants to the middle of the row. The incline forming the point of the scraper A is ground to a sharp edge on a line with the landside-plate, and by reason of its extending across and forward of the landside the friction of the land through which it passes while in use will keep it ground sharp. The effect of the projection of the point of

the scraper A across and forward of the plate B gives the scraper a tendency to move inwardly toward the row, and because of such action the scraper is more easily held to the row and more perfect work is done with greater ease to both plowman and draft-animal. Another result of this construction, to which the results previously mentioned are partly due, is the constant grinding sharp of the point of the scraper, as described. The beam-post C (separately illustrated in Fig. 4) is primarily attached to landside-plate B, and has an upturned extension, D, to which the scraper A is attached. The plates are fixed to the beam-post C by means of screw-headed bolts, which are embedded in corresponding countersinks in the plates A B, and a smooth outside surface is thus secured. To the rear of the beam-post C the plates A B are provided with inwardly-projecting dead-eyes riveted to the plates. The transverse rod F is flanged at both ends. These flanges are screw-threaded, and the flanges are inserted into the dead-eyes either from above or below, and nuts screwed on the same against the dead-eyes, and the plates are thus braced in position. It will thus be seen that there are no welds about this implement, and that its several features are distinct detachable parts joined together by bolts only, (ten in number,) and that the implement can be taken apart and the pieces repaired or replaced by new ones without going to the shop.

Any sized scraper may be attached to the implement, using the same bolts, which is a great advantage to the planter.

Having thus explained the construction and operation of my improvement, what I claim as new, and desire to secure by Letters Patent, is as follows:

The combination of the scraper A and landside B, the former extending across and projecting forward of the latter, with beam-post C, having upturned curved end D and the angle-brace F, all constructed substantially as specified, for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

RICHARD COOPER.

Witnesses:

J. E. EDMONDS,  
A. R. CUSHMAN.