H. P. MEGGS.
COTTON SCRAPER.
No. 248,774. Patented Oct. 25, 1881.

INVENTOR
H. P. Meggs,
by Anderson & Smith
his ATTORNEYS

WITNESSES
E. R. Betts
Philip Allsop
To all whom it may concern:

Be it known that I, Hosea P. Meggs, a citizen of the United States, resident of Polkton, in the county of Anson and State of North Carolina, have invented a new and valuable improvement in Cotton-Scrapers; 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 side elevation, and Fig. 2 is a plan view.

This invention has relation to scrapers for use in cultivating small plants, such as cotton and corn, and it consists in the construction and novel arrangement of the pivoted and angularly-adjustable side bar or fender, and the reversible and adjustable colter engaging therewith, as hereinafter shown and described.

In the accompanying drawings, the letter a represents a plow-beam, and b the stock or standard carrying the scraper-share c.

On the landside of the standard is pivoted, by a screw or bolt, d, near its lower edge and rear end, a broad vertical side bar or plate, e, which is designed to serve as a guard or fender, and to act as a gage, to some extent, in working the scraper. This fender is designed to be angularly adjustable on its pivot d; and in order to provide for the adjustment, and at the same time to hold the fender plate firm, a slot, g, is made through the plate, in the rear portion or heel thereof which is in contact with the standard or stock, and a screw or bolt, h, is passed through the slot and standard, connecting the fender to the latter. As the direction of the slot g is given by a radius from the pivot-bolt d, the fender is enabled to be angularly adjusted in such a manner as to raise or lower its front or working portion without removing a bolt. The fender is still further strengthened in its position by its connection with the colter k, which is effected by means of the key-slot l, extending in a vertical, or nearly vertical, direction across the front end of the fender, and by means of the headed bolts or studs n of the colter. The colter k is a long plate, having at one end a convex cutting-edge, r, and at the other a concave cutter, s, these cutting or entering edges being adapted respectively to the "jumping" action, or to a more definite cutting action, according to the requirement of the soil. At equal distances from the ends of the colter are the headed bolts or studs n, which respectively engage the key-slot l of the fender, according to the work required. The colter is therefore reversible, its lower or working end being connected to the fender and adjustable with reference thereto, with reference to a greater or less depth of action. It is held to the plow-beam by means of an elongated side clamp, z, and its nuts z, and is angularly adjustable therein to suit the work required at the lower end. In order to remove the colter for repairs or reversal, the side or bracket clamp, z, is loosened, and the lower or engaged stud, n, brought, by raising the colter, into the enlarged portion of the key slot of the fender. The colter can then be disengaged from the fender and slipped out of the bracket-clamp.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. In a plow or scraper, the pivoted side plate or fender, e, having an adjusting slot, g, and a key-slot, l, and in combination therewith a colter, k, having a beaded bolt or stud, n, substantially as specified.

2. In a plow or scraper, the combination, with the side clamp, z, and the pivoted fender e, having the adjusting slot g and the key-slot l, of the reversible colter k, having the headed bolts or studs n at equal distances from its ends, substantially as specified.

3. The combination, with the plow-beam and its standard or stock, of the side clamp on the plow-beam, the angularly-adjustable slotted fender pivoted to said standard or stock, its colter-slot, and the reversible colter engaging said fender and side clamp, substantially as specified.

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

Hosea P. Meggs,

Witnesses:

Jas. H. Benton,

Elijah W. Fluke.