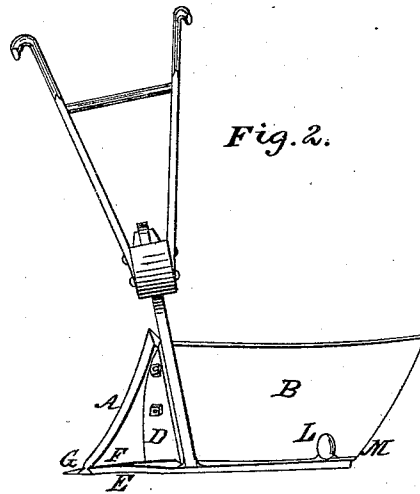
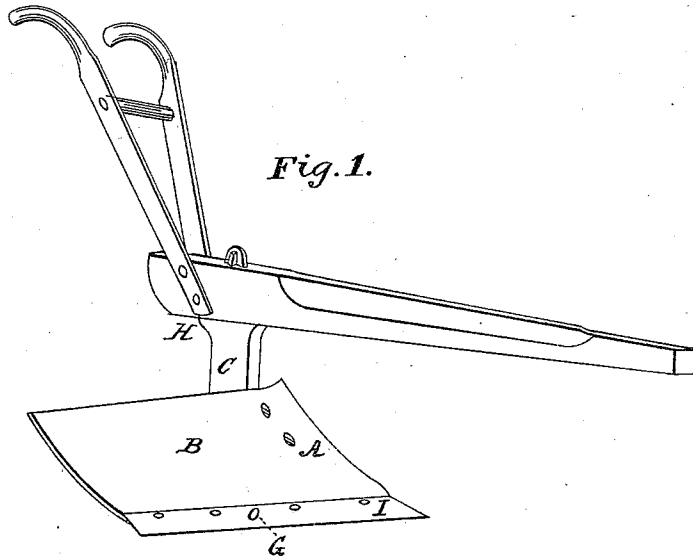


T. J. HARRIS.  
Cotton Scraper.

No. 103,877.

Patented June 7, 1870.



Witnesses:

*Edwin C. Thomas*  
*James M. Leaper*

Inventor:

*Thomas Harris*

# UNITED STATES PATENT OFFICE.

THOMAS J. HARRIS, OF GUNTOWN, MISSISSIPPI.

## IMPROVED COTTON SCRAPER OR CULTIVATOR.

Specification forming part of Letters Patent No. **103,877**, dated June 7, 1870.

*To all whom it may concern:*

Be it known that I, THOMAS J. HARRIS, of the town of Guntown, county of Lee, and State of Mississippi, have invented a new, improved, and useful Cotton-Scraper, to be used in the cultivation of cotton. I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters and figures of reference marked thereon.

The nature of my invention consists in making a cast-iron foot and wing or mold-board and a steel edge, thereby making it more durable, and making the scraper run steady, my casting weighing about thirty-five pounds for a medium-sized scraper, the weight being in the foot and wing requisite to make it run steady; the foot cast with a slant, so that when the beam is level the bottom of the foot will fit the ridge or bed on which the cotton is planted, so that it will scrape the grass and weeds from the young cotton and take off all surplus cotton, and only leaving standing a narrow belt of the cotton, thereby saving a great quantity of labor in bringing the cotton to a proper stand.

Figure 1 is a front view. Fig. 2 is a bottom or reverse view of my scraper.

To enable those that are skilled in the art to use and make my invention, I will proceed to describe its construction and operation.

I construct my scraper of cast-iron, which gives it weight and durability. The wing or mold-board marked B is made in a curve and stands backward, so it will throw the soil, weeds, and grass into the middle of the row. It is furnished with a flange, (marked A,) which prevents anything from falling back on the young cotton.

The wing is furnished with a steel edge, (marked G,) which edge is fastened on a rabbet with bolts to the wing, so as to be solid, which edge is marked I, where it runs next to the cotton.

The upright of the foot is marked C, and fastened to the wing marked B with two bolts through the wing and a flange on the upright, which flange is cast solid to the upright, and is marked D.

The part of the bottom of the foot marked E is on the left-hand side of the upright of the foot, at the bottom, and is solid with it, and acts as a brace against the wing, and fits against a projection on the wing marked F; and K represents a part of the bottom and land-side, is cast solid with the foot, and acts as a brace to the wing, fitting close to it, and fitting against the projection marked F, and reaches near the corner of the edge, where it is marked I. The bottom, by those two last-described portions, is flat, and large as desired.

H represents a projection on the upright of the foot just below where it enters the stock, and runs back under the back and bottom of the stock, has an upright pin on the back end on the top of it, and is let into the bottom of the beam, and acts as a brace to the foot.

My scraper fastens to the stock as common cast plows, with a tenon on the foot and a mortise through the beam, and has a wedge to fasten it.

The edge (marked G) can be taken off and replaced at pleasure.

I cast a hook or cleat on the wing, at the place marked L, so that it will fit into a mortise, or fit against a cleat on or in the foot, (marked M,) which will hold the wing fast to the foot, that when the point marked I hits anything solid it cannot give way.

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

The arrangement and construction, as described, of the mold-board B, share G, flange D, and foot E, for the purpose set forth.

THOMAS J. HARRIS.

Witnesses:

EDWARD G. THOMAS,  
JAMES M. COYE.