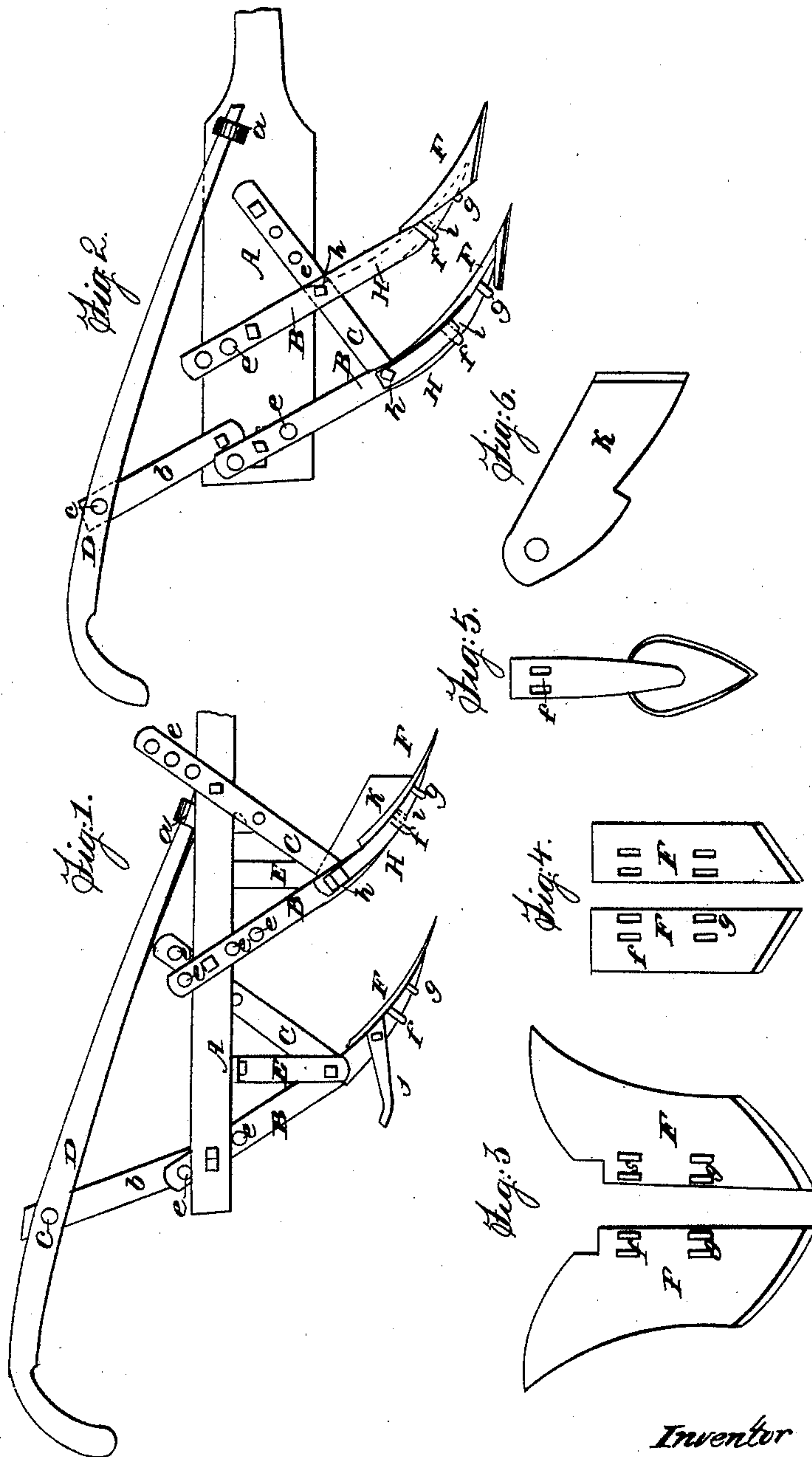


W. J. McCOY.

Cultivator

No 30,744.

Patented Nov. 27, 1860.



Witnesses;
J. Aldrich
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UNITED STATES PATENT OFFICE.

WM. J. McCOY, OF CARTERSVILLE, GEORGIA.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. 30,744, dated November 27, 1860.

To all whom it may concern:

Be it known that I, WILLIAM J. McCOY, of Cartersville, in the county of Cass, in the State of Georgia, have invented new and useful Improvements in Cotton Cultivators or Plows; and the following is a clear and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 shows a side elevation of the cultivator with two sets of stocks and braces, one each side of the beam, to operate right or left, for cultivating and hoeing cotton. Fig. 2 represents a side view as arranged for a subsoil-plow. Fig. 3 are right and left plow-points. Fig. 4 are right and left hoes. Fig. 5 is a shovel-point. Fig. 6 is a colter.

To enable others skilled in the art to make and use my invention, I will describe it, referring to the drawings, and to the letters marked thereon.

The wood stock or beam A for my cultivator or plow I make of hard wood plank of about three inches in thickness and of such width as to bring the iron stock B B and braces C C, when secured to the edges of the beam on each side, the right distance from the rows of cotton, corn, or other plants to be cultivated, as seen in Fig. 1.

The handles D are held at the bottom by sliding under a staple, *a*, in the beam A, and are elevated and held to their proper position by a brace-post, *b*, and a horizontal brace, *c*, which comprise all of the parts made of timber, and may be used in the same manner when the position of the beam is changed to make a subsoil or common plow, as seen in Fig. 2.

The bars or metal stocks B B, as also the braces C C and side braces, E E, have a series of holes, *e e e*, through the ends that fasten to

the beams, so that they may be adjusted to accommodate the various uses for which they are intended, and give more or less depth to the various points.

Figs. 3, 4, 5 show right and left plow shares, points, shovels, and hoes, F F, which have loops or staples *f* and *g* on the under side, made so as to fit onto the point of the stock B, each one and all of them fitting the same place.

On one side of the stock B, and secured to it by the bolt *h*, that holds the braces C and E, there is a steel spring, H, having on its movable end a hook, *i*. This spring is so arranged that the hook *i* comes over the staple *f* and bears upon it, which holds the point firmly to its place, and when the share or point is to be removed and another substituted in its place the spring H has only to be lifted out, so as to relieve the hook *i* from the staple *f*, and the point is free to be removed.

To the rear of the stock B, I attach a running-bar, *j*, to gage the depth of the furrow and steady the point sidewise, and when desired can attach to either point the colter K.

The principal advantage to be derived from my invention is that the shares, points, shovels, or hoes can be changed at any time without the aid of a wrench.

Having thus fully described my improvement, what I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of the reversible beam A, stock B, with its braces E C, plows F, cutter K, landside *j*, standard *b*, handles D, and springs H, substantially as and for the purposes set forth.

WM. J. McCOY:

Witnesses:

I. L. WIKER,
J. A. ERWIN.