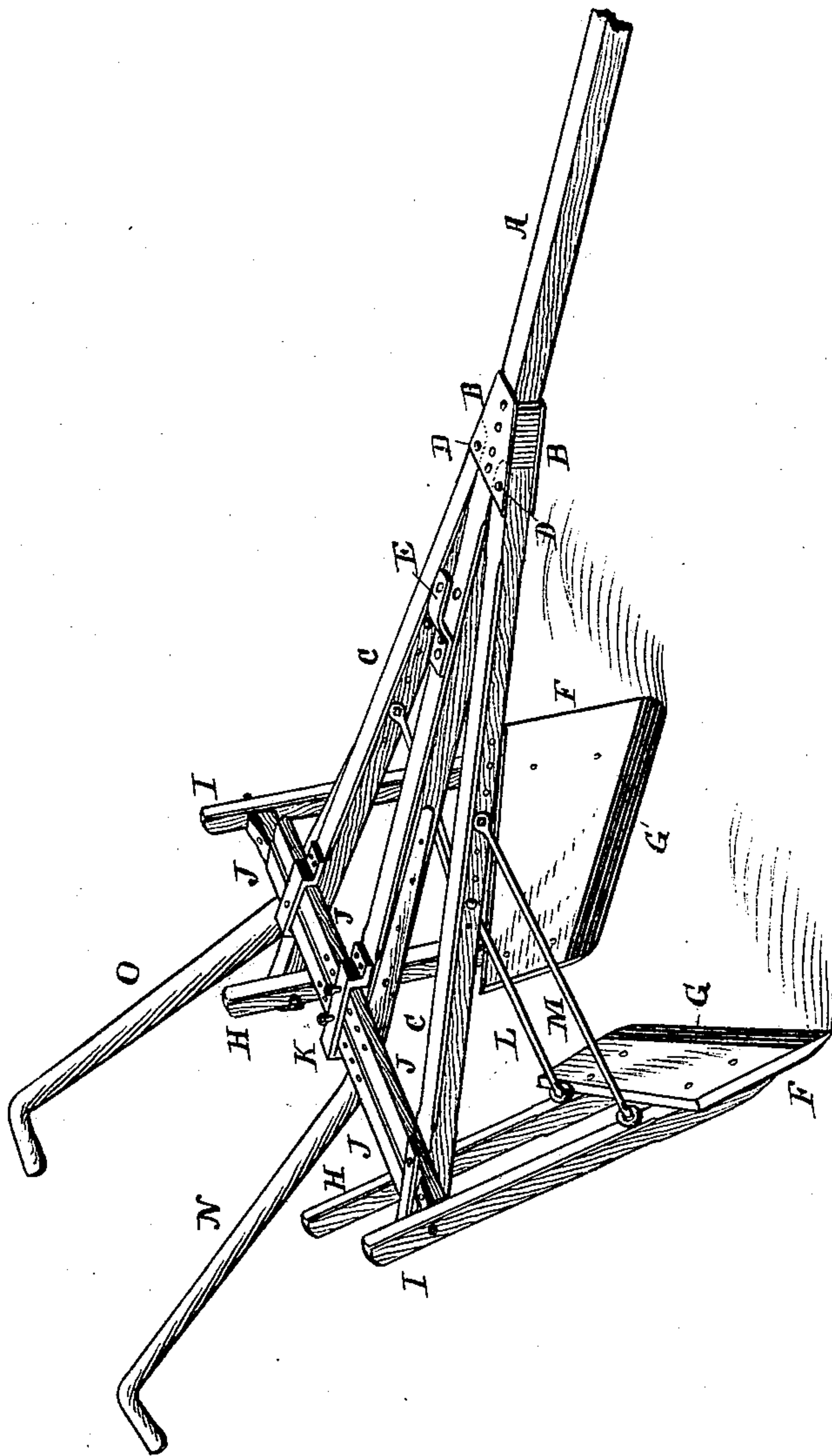


(No Model.)

N. W. FALOR.
CULTIVATOR.

No. 521,340.

Patented June 12, 1894.



Witnesses
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NOAH W. FALOR, OF MOGADORE, OHIO.

CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 521,340, dated June 12, 1894.

Application filed March 2, 1894. Serial No. 502,072. (No model.)

To all whom it may concern:

Be it known that I, NOAH W. FALOR, a citizen of the United States, residing at Mogadore, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Cultivators, of which the following is a specification.

My invention has relation to improvements in that class of cultivators known as "straddle row" cultivators; and the object of my invention is to provide an effective cultivator of said class that shall be simple in construction, inexpensive to the agriculturist, and susceptible of rapid and easy adjustment to adapt it to different conditions of soils and crops.

To the aforesaid purpose my invention consists in the peculiar and novel construction, arrangement and combination of parts hereinafter described and specifically pointed out in the claim, reference being had to the accompanying drawings forming a part of this specification.

In the accompanying drawing, which represents, in perspective, my improved cultivator, A, is a beam of wood which, extending forward forms a pole for a double team, (the front end being broken away in the view) upon which are fastened metallic plates B, B; in which, on opposite sides are hinged two beams C, C, by pivotal bolts, D, D, and on which is a hasp E, for the attachment of a double-tree. Below each beam C, is supported a plow or scraper F, preferably of wood with its lower edge provided with a facing of iron or steel plate, G; each being connected to two wood bars H, I, extending diagonally upward and backward, the former and inner being pivotally attached to the ends of the beams C, and the outer being each pivotally attached to the outer ends of parallel horizontal bars, J, J, that lie adjacent to each other and cross the beam A, under a strap K. The bars J, are perforated with bolt holes, adapted to receive and be retained by pins that pass through corresponding holes in the strap K. By this arrangement the beams C may be swung outward or inward, and retained at any point to adapt the cultivator to different sizes and widths of rows.

The plows or scrapers G, are each so con-

structed that their front points shall be lower than the backs, thus enabling the points to make deep cuts or furrows in the soil, which, thrown inward by the shovels, is by their lower edges laid in symmetrical slopes.

To the bars I, H, directly above the scrapers F, are flexibly attached, by means of eye bolts, rods L, M, respectively, which extending forward are connected by bolts, on opposite sides of the respective beams C, the latter being provided with a number of holes to permit of the adjustment of the points of attachment forward or backward, as the condition of the work to be performed may require.

To the beam A is attached a handle N, and to one of the beams C, a similar handle O; the two being adapted to be grasped by the hand of the operator, and to permit him to walk at one side of the row.

It will be obvious, that by severing the beam A, at the plates B, the device may be used with a single horse.

I am aware that straddle-row cultivators adapted to dig and throw the earth toward the row are not new, and such I do not broadly claim, but

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

In a cultivator of the class specified the combination with a central beam and side beams pivotally hinged thereto on opposite sides, of cultivating scrapers each supported by two bars one whereof is pivotally attached to one of said side beams and the other similarly connected to one end of a horizontal bar, said bars being parallel and adjustably connected with the central beam, and rods flexibly attached to said scraper bars, and adjustably connected with said side beams on opposite sides thereof, and two handles one being connected with said central beam, and one with said side beam, substantially as shown and described.

In testimony that I claim the above I hereunto set my hand.

NOAH W. FALOR.

In presence of—

C. P. HUMPHREY,
C. E. HUMPHREY.