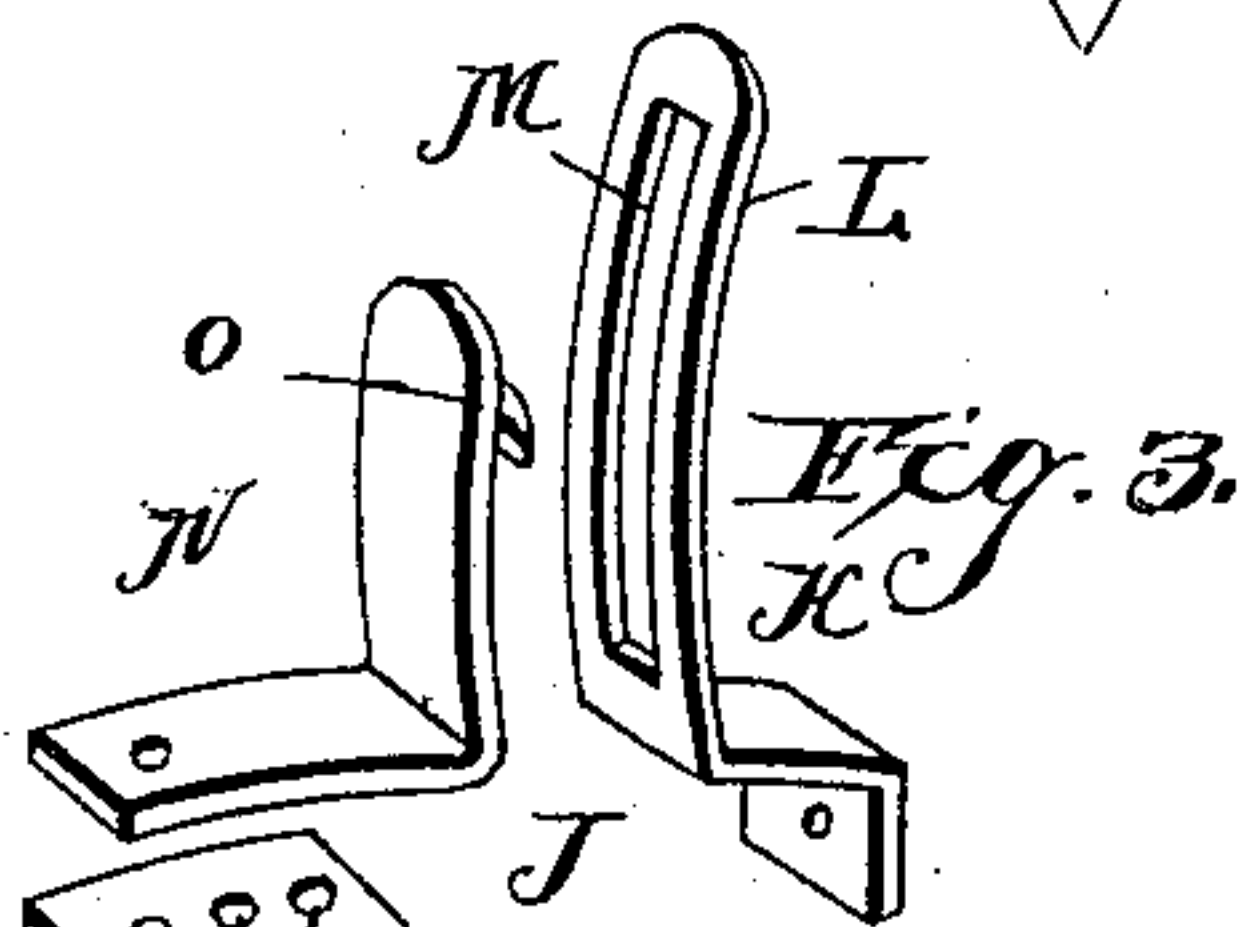
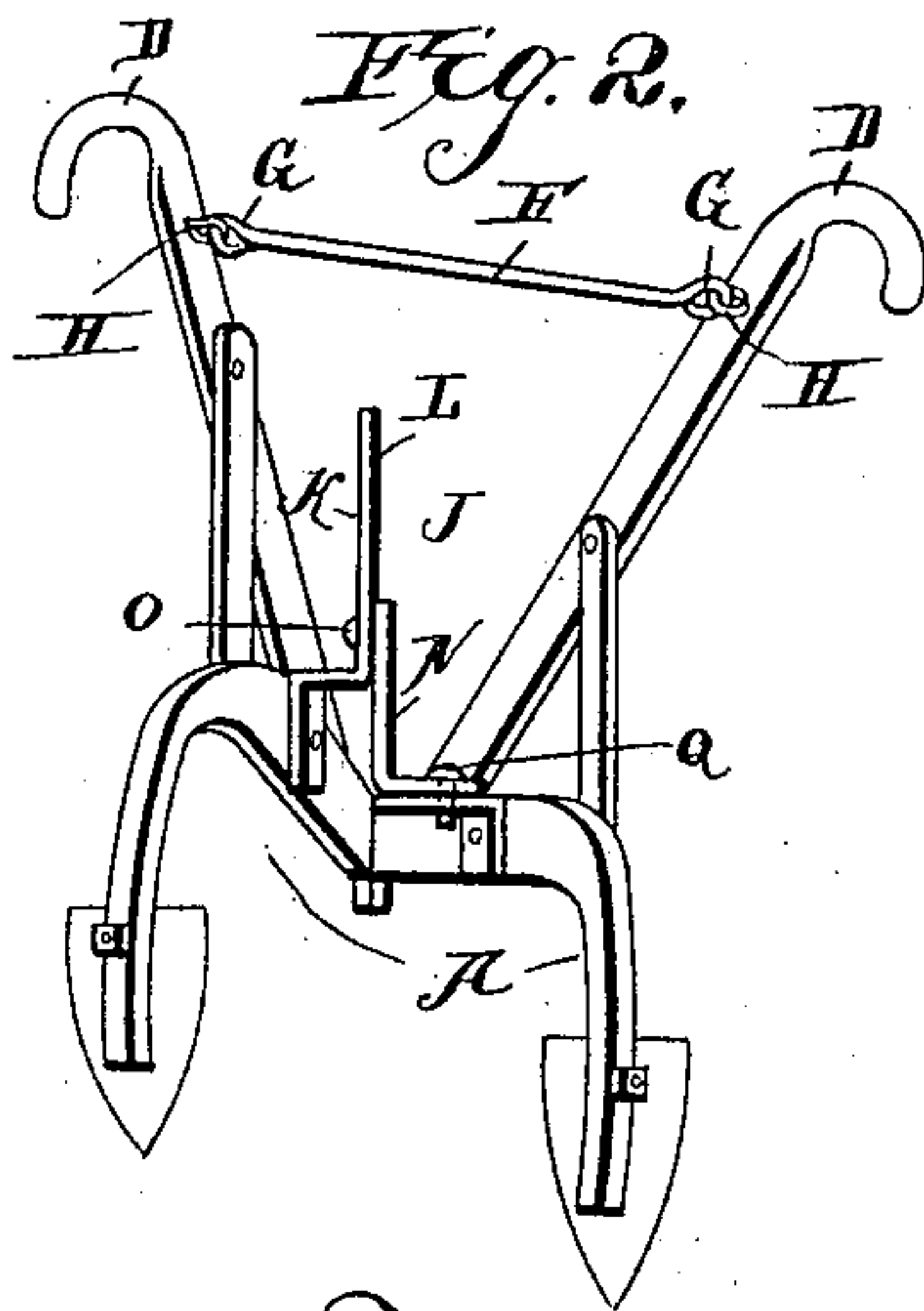
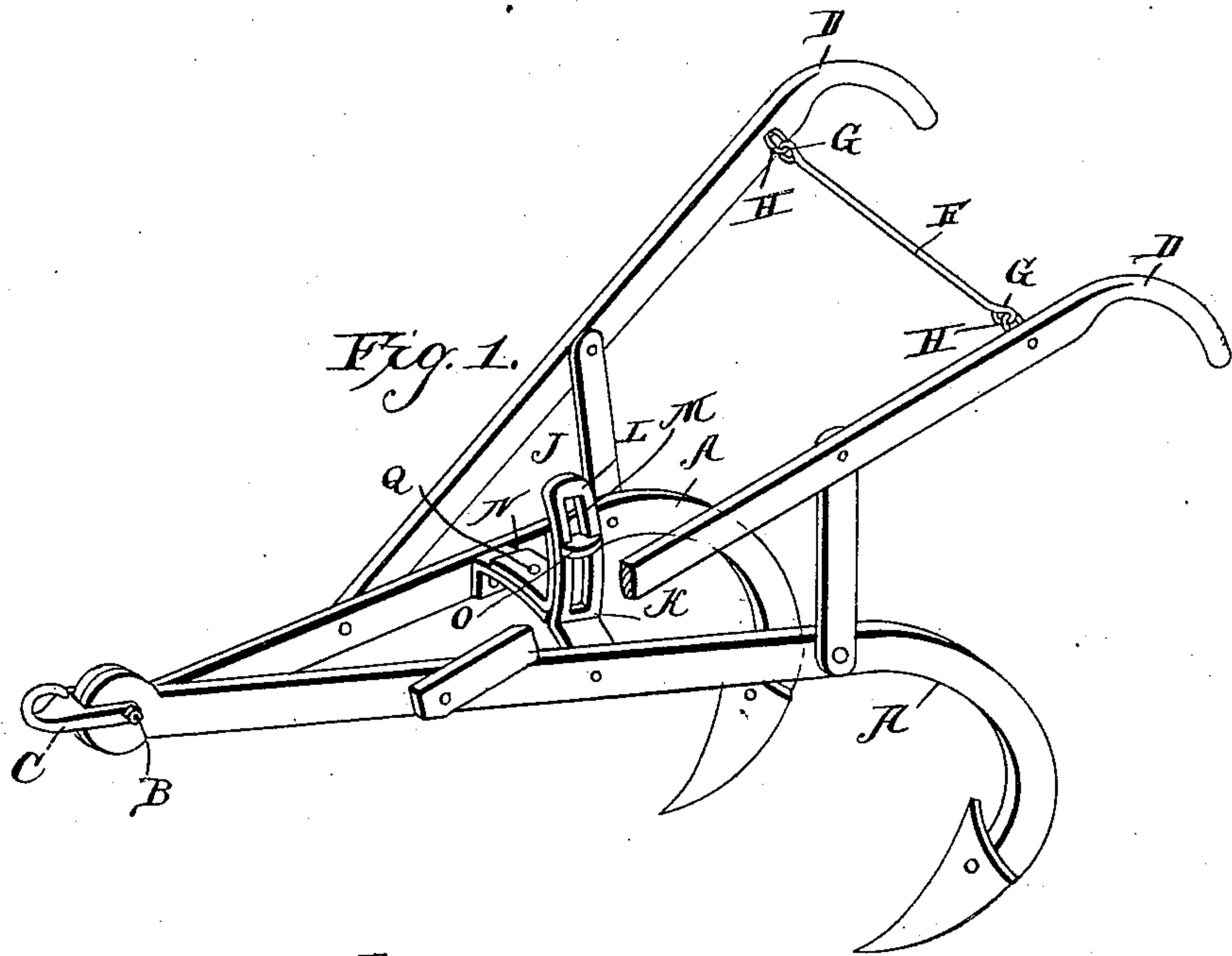


(No Model.)

E. C. BURNETT.  
DOUBLE SHOVEL PLOW.

No. 405,007.

Patented June 11, 1889.



Witnesses  
*Henry J. Dieterich*

*R. W. Bishop.*

Inventor  
*Elisha C. Burnett,*

By *h. & s.* Attorneys

*Chas. Snow*

# UNITED STATES PATENT OFFICE.

ELISHA CALOHIL BURNETT, OF WILKES, VIRGINIA.

## DOUBLE-SHOVEL PLOW.

SPECIFICATION forming part of Letters Patent No. 405,007, dated June 11, 1889.

Application filed February 28, 1889. Serial No. 301,435. (No model.)

*To all whom it may concern:*

Be it known that I, ELISHA CALOHIL BURNETT, a citizen of the United States, residing at Wilkes, in the county of Bedford and State of Virginia, have invented new and useful Improvements in Double-Shovel Plows, of which the following is a specification.

My invention relates to improvements in double-shovel plows, and aims to provide a plow which can be easily adjusted when in use to run on a hillside without varying the depth to which the shovel will cut into the ground.

The invention consists in certain novel features of the device shown in the accompanying drawings, as will be hereinafter first fully described, and then pointed out in the claims.

In the drawings referred to, Figure 1 is a perspective view of a double-shovel plow embodying my improvements. Fig. 2 is a rear elevation showing one of the beams raised, and Fig. 3 is a detail perspective view of the coupling with its several parts detached and shown approximately in their proper relative positions.

The beams A A of my plow are of the usual construction; but instead of being rigidly secured together at their front ends, as heretofore, they are pivoted together by means of a pivot-pin B, inserted transversely through perforations in their ends. The clevis C is also pivotally mounted on this pivot-pin B, as clearly shown. The handles D are securely fastened at their front ends to the beams and extend upward and rearward therefrom, and the upper rear ends of the handles are held at the proper distance apart by means of the brace F, provided at its ends with eyes G, which engage loops or staples H on the inner sides of the handles. By this arrangement the handles can be moved vertically, so as to lift the beams independently of each other, and yet will be maintained the proper distance apart.

The plow-beams are held at the proper distance apart by means of the coupling J, which consists of a bracket secured to each beam, and one sliding vertically on the other. The bracket K, secured to one of the beams, consists of a metallic bar extending inward from said beam and provided at its inner end with

a vertical curved branch L, having a longitudinal slot M, as shown. The bracket N, secured to the other beam, is similar in construction to the bracket K; but its vertical arm, instead of being provided with a longitudinal slot, is provided with a headed stud O, which is adapted to pass through the slot M and engage the outer side of the branch L of the bracket K. The two members of the coupling are fitted together by turning them to a position at right angles to each other, so that the headed stud on one bracket can pass through the slot in the other bracket, after which the two brackets are turned so as to lie in the same plane, when they will be held together by the said stud, as will be readily understood.

The bracket N may, if so desired, be formed of a single bar; but I prefer to construct it as shown in the drawings, in which form it consists of two members, the lower member being a horizontal inwardly-projecting bar provided with a longitudinal series of vertical openings P, and the upper member being an angle-iron, the upper arm of which carries the headed stud and the lower arm of which is provided with a vertical pin Q, which is adapted to engage one of the openings P in the lower member. By this construction the coupling can be adjusted so as to hold the beams at any desired distance apart.

It will be seen from the foregoing description, taken in connection with the accompanying drawings, that I have provided a very simple plow, in which the beams can be moved vertically independently of each other, and at the same time will always be held at the proper distance apart. Heretofore, when using a rigid-frame double-shovel plow, it was necessary to be continually tilting the plow from side to side in order to make it cut the ground at the place desired, and this tilting of the plow was objectionable, for the reason that when the plow was tilted one of the shovels was lifted out of the ground, so that the work was not effectually accomplished. In my device, however, when the plow is tilted to one side, the beams move vertically upon each other, so that both shovels will cut to the same depth.

My construction is especially advantageous in plowing hillside land, as one beam can be



raised above the other to the degree necessary to accommodate the plow to the inclination of the ground.

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

1. The combination of the beams pivoted together at their front ends and the coupling consisting, essentially, of two brackets, one  
10 secured to each beam, one of said brackets having a vertical arm provided with a longitudinal slot and the other one having a vertical arm carrying a headed stud engaging said slot, as set forth.

15 2. The combination, with the beams pivoted together at their front ends, of the coupling connecting the beams, and consisting, essentially, of two brackets, one secured to

each beam, one of the brackets having a vertical arm provided with a longitudinal slot 20 and the other bracket being composed of a horizontal bar provided with a longitudinal series of vertical perforations, and the angle-iron having its vertical arm provided with a headed stud engaging the longitudinal slot 25 of the other bracket and its horizontal arm carrying a pin adapted to engage one of the openings in the said horizontal bar, as set forth.

In testimony that I claim the foregoing as 30 my own I have hereto affixed my signature in presence of two witnesses.

ELISHA CALOHIL BURNETT.

Witnesses:

W. W. H. HAINS,

C. C. KEETH.