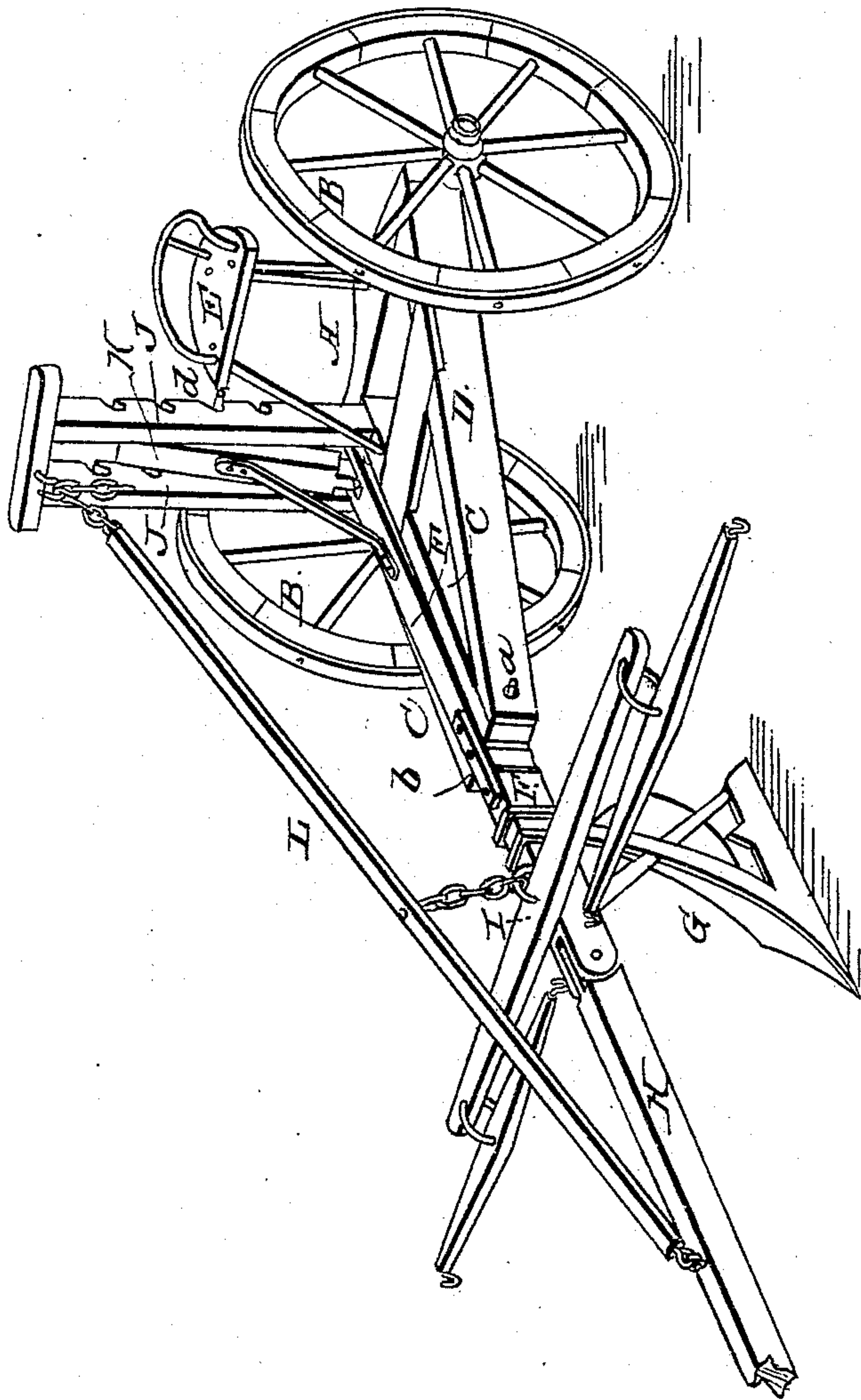


V. C. DUCLOS.

Wheel Plow.

No. 84,097.

Patented Nov. 17, 1868.



witnesses

Leopold Guert
Harry King

Inventor.

V. C. Duclos

per Alexander Mason
Attys

United States Patent Office.

V. C. DUCLOS, OF NEW HARMONY, INDIANA.

Letters Patent No. 84,097, dated November 17, 1868.

IMPROVEMENT IN PLOWS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, V. C. DUCLOS, of New Harmony, in the county of Posey, and in the State of Indiana, have invented certain new and useful Improvements in Plows; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and general arrangement of a plow on wheels, which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and which represent a perspective view of my plow.

A represents the axle, to the ends of which the wheels B B are attached.

From one end of the axle A, two hounds C C extend forward; which hounds are at suitable distance apart, and, from the forward end of the inner one, a bar, D, connects it with the other end of the axle A, thus forming a triangular frame, as shown in the drawing, on which frame the driver's seat E is placed.

The beam F, which is placed between the hounds C C, and pivoted at their forward ends by means of a bolt, *a*, is hinged just at the ends of said hounds by means of small iron bars *b b*, secured, one on the upper and one on the lower side of the rear part of the beam, and a bolt passing through said metal bars and the end of the front part of said beam, so that the beam can be turned to either side.

The plow G is secured to the lower side of this hinged part of the beam F. By this arrangement, it will be seen, the beam is principally behind the plow, and the plow is allowed to follow the horses, without any strain whatever on the running gear. It also enables the driver to turn a square corner, without the motion of the wheels.

The front end of the hinged part of the beam F is forked, and the tongue H is inserted therein, and se-

cured, by a bolt, just in front of the plow, and the whiffle-trees I are secured above the plow on the beam F, which brings the horses close up to the same, and have a great deal more power.

Near the rear ends of the hounds C C are two upright posts J J, connected on top with a cross-bar, and at the rear end of the beam F is an arm, K, pivoted, which extends up between the posts J J.

Said arm K has a pin, *d*, through the same, which is placed in notches on the rear sides of the posts, thus raising or lowering the beam F, and with it the plow G. In this manner the plow is let in and out of the ground, and may be set at any desired depth.

To the tongue H is secured a lever, L, which extends backward, and, by a chain, is connected with the beam F, above the plow. The rear end of said lever L is provided with a chain, which is hooked on the cross-bar, above the posts J J, so that the lever can be raised or lowered at will, and, by that means, the plow raised out of the ground when travelling.

The posts J J, to which the lever L and arm K are both connected, being alongside the driver's seat, it will be seen that the driver, at the same time that he has full control over his horses, can set the plow to any desired depth.

Having thus fully described my invention,

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

1. The arrangement of the notched standards J J, arm K, and pin *d*, for the purpose of regulating the plow, substantially as herein set forth.

2. The combination of the hounds C C, hinged beam F, arm K, standards J J, and lever L, all constructed and operating substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 10th day of September, 1868.

V. C. DUCLOS.

Witnesses:

C. W. SLATER,
A. H. FRETAGEOT.