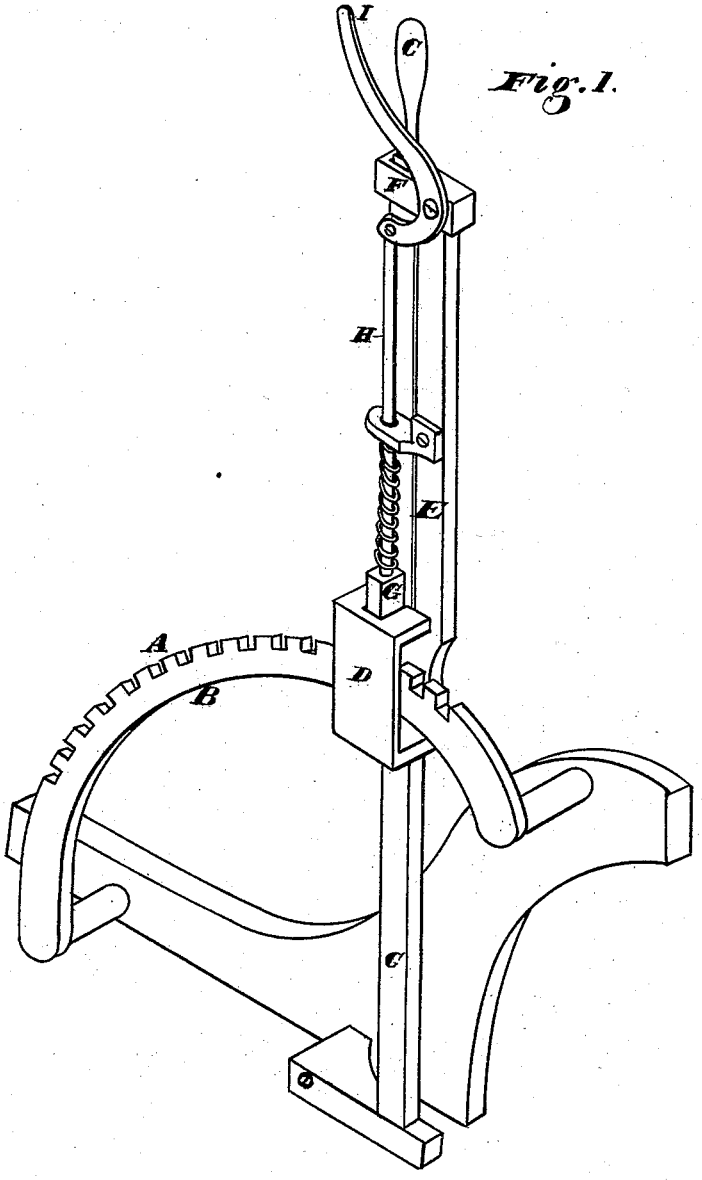
D. KENDIG.

Gang-Plow.

No. 168,646.

Patented Oct. 11, 1875.

Fig. 1.



Witnesses

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UNITED STATES PATENT OFFICE.

DANIEL KENDIG, OF NAPA CITY, CALIFORNIA.

IMPROVEMENT IN GANG-PLOWS.

Specification forming part of Letters Patent No. **168,646**, dated October 11, 1875; application filed July 28, 1875.

To all whom it may concern:

Be it known that I, DANIEL KENDIG, of Napa City and county, State of California, have invented an Improved Lever and Rack for Gang-Plows; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

My invention relates to certain improvements in the operating levers and racks for gang-plows, by which I am enabled to do away with the strong spring heretofore needed to hold the lever to its place when the rack was made upon the side, and the consequent necessity of considerable strength to operate the lever.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a perspective view of my invention.

In some plows, in which two levers are used, one of the levers works about a center which is not the same as the center of motion of the other. As a consequence, this first lever must have a sliding motion up and down as it moves along the rack, and the rack was put upon the side, and a long catch upon the lever was necessary to hold it at different points.

By reason of the strong spring in spring-levers, which holds the lever against the rack, the operator must not only push the lever forward or back, but also press it strongly to one side, which is a difficult operation.

The lever C is attached at the lower end in the usual manner, and passes up at one side of the semicircle, as shown. The strap or box D, which guides it, passes over the semicircle, and has an arm, E, extending up along the lever to near the top, where another strap, F, clasps the lever.

Now, it will be seen that these two straps, and their connecting-arm E, will retain their relative positions in moving forward and back upon the semicircle, while the lever C will be free to slide up and down, and accommodate itself to the varying center of motion.

A sliding pawl, G, engages the rack A, and is guided by the box D. A rod, H, connects this pawl with the hand-lever I, so that, by pressing on this lever, the pawl will be easily lifted, and the lever C can thus be moved.

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

The semicircle or rack B, in combination with the lever C, having the sliding boxes D and F, and their connecting-arm E, and the pawl G, rod H, and operating lever I, the whole constructed substantially as and for the purpose herein described.

In witness whereof I hereunto set my hand and seal.

DANIEL KENDIG. [L. S.]

Witnesses:
ROB. CROUCH,
R. M. SWAIN.