J. H. ZARLEY.

Corn-Planter.

No. 209,440. Patented Oct. 29, 1878.

Fig. 1.

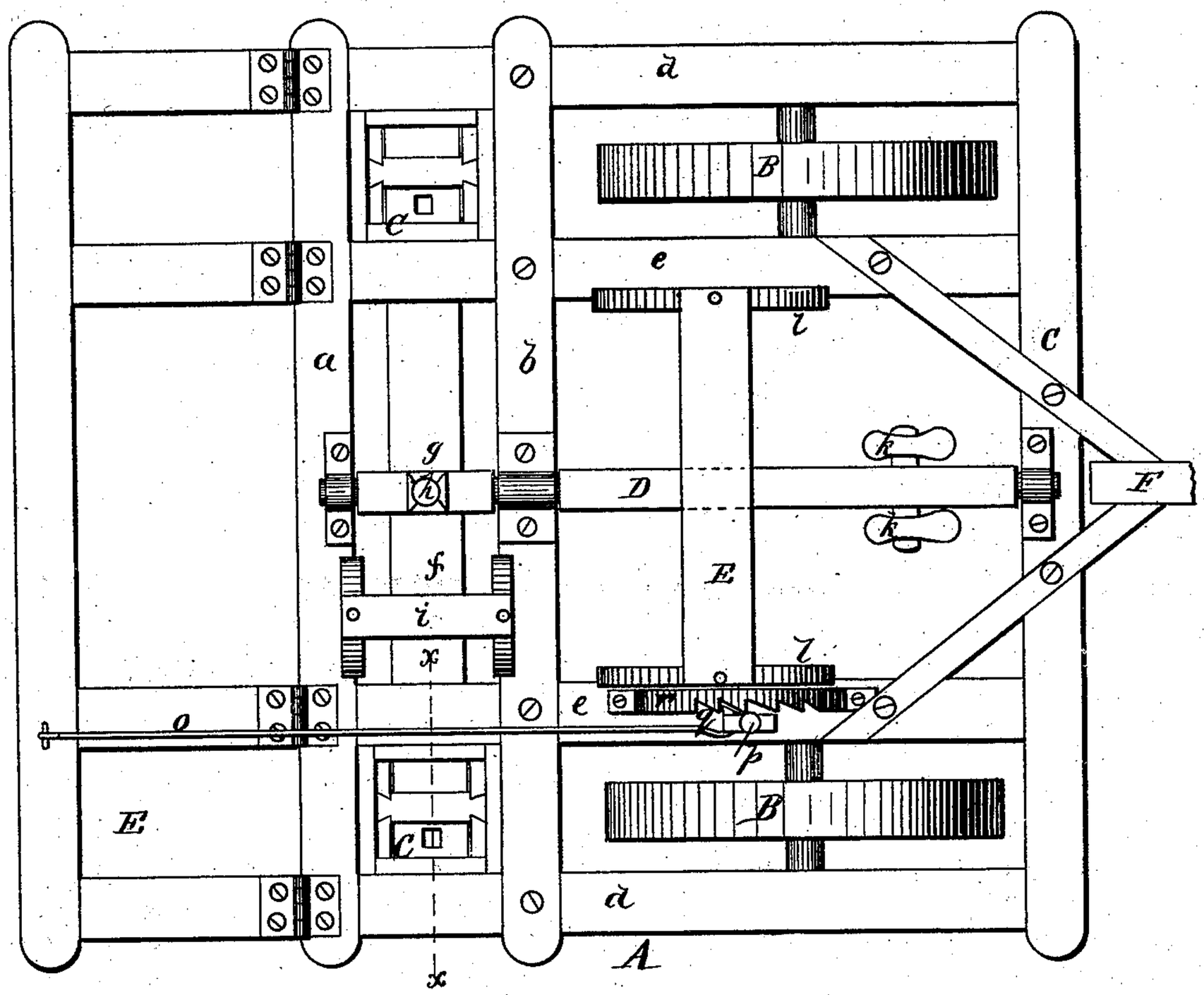


Fig. 2.

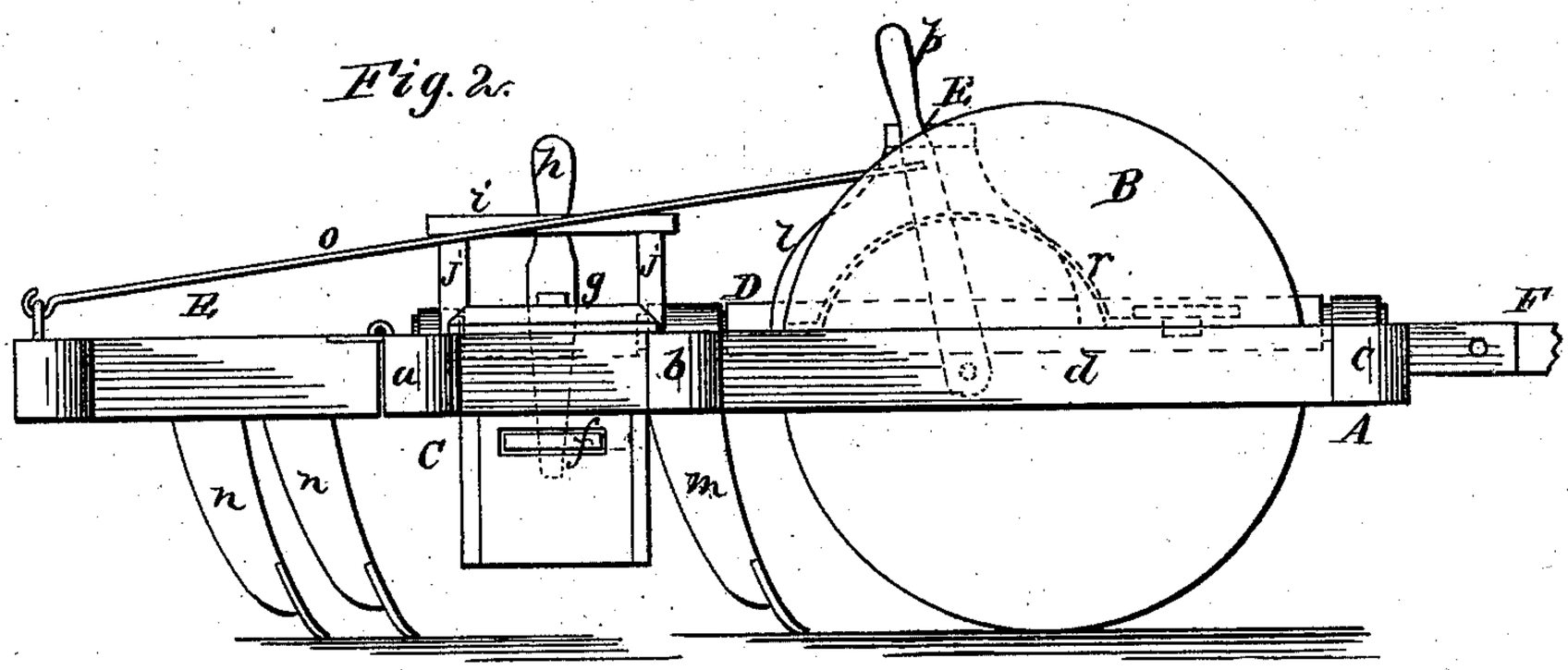
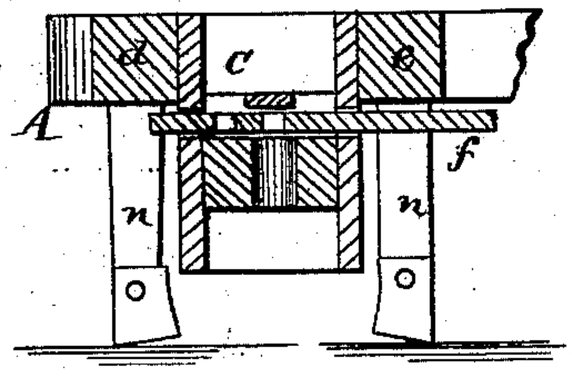


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN H. ZARLEY, OF OAKLAND, ILLINOIS.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **209,440,** dated October 29, 1878; application filed March 12, 1878.

To all whom it may concern:

Be it known that I, JOHN H. ZARLEY, of Oakland, in the county of Coles and State of Illinois, have invented a new and Improved Corn-Planter, of which the following is a specification:

Figure 1 is a plan view of my improved corn-planter. Fig. 2 is a side elevation. Fig. 3 is a transverse vertical section taken on line *x x* in Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide an efficient and cheaply-constructed corn-planter, which may be drawn forward by horses, but is arranged so that the seed-valves may be operated by hand.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

Referring to the drawing, A is the main frame of the planter, composed of the transverse bars *a b c* and the two pairs of bars *d e*, which are secured to the bars *a b c* at right angles, one pair being at each end of the frame A.

Between each pair of bars *d e* is placed a wheel, B, whose axle is journaled in the said bars.

Behind the wheels and between the bars *a b* and *d e* seed-boxes C are secured, and a seed-valve bar, *f*, extends through both seed-boxes, and is apertured in the middle to receive an arm of the lever, *g*, which projects downward from the rock-shaft D, which is journaled in the middle of the frame A.

One arm of the lever *g* extends upward from the rock-shaft C, and is formed into a handle, *h*, by which the seed-valve bar *f* may be operated. A seat, *i*, is supported by standards *j* from the bars *a b*, and is designed for the person who operates the seed-valves.

A cross-bar is secured to the rock-shaft D near the forward end, to which at opposite ends foot-plates *k* are secured.

A seat, E, is supported from the bars *e* by standards *l*, to support the driver, who may place his feet on the foot-plates *k* and operate the rock-shaft by the alternate pressure of the right and left foot.

In front of the seed-boxes C drill-plows *m* are secured to the bars *b* in front of the seed-boxes, and in the track of the wheels B. A frame, E, which carries two pairs of covering-plows, *n*, is hinged to the rear end of the frame A, and is connected by a rod, *o*, with a lever, *p*, that is pivoted to one of the bars *e*, and is provided with a beveled nib, *q*, which engages ratchet-teeth in the curved bar *r*. By means of this lever the covering-plows *n* may be adjusted as to height. The frame A is provided with a tongue, F, by which the machine is drawn forward and guided.

The wheels pulverize the earth, and the drill-plows which follow the wheels make the drills for receiving the corn. The dropping is done by hand or foot, and the seed is covered by the plows *n*.

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

The rock-shaft D, having the lever *g* and the foot-plates *k*, in combination with the seed-valve bar *f* of a corn-planter, substantially as shown and described.

JOHN HARISON ZARLEY.

Witnesses:
JAMES S. BLACK,
A. N. CHAPMAN.