

S. BAKER.

Corn-Planter.

No. 19,122.

Patented Jan. 19, 1858.

Fig. 1.

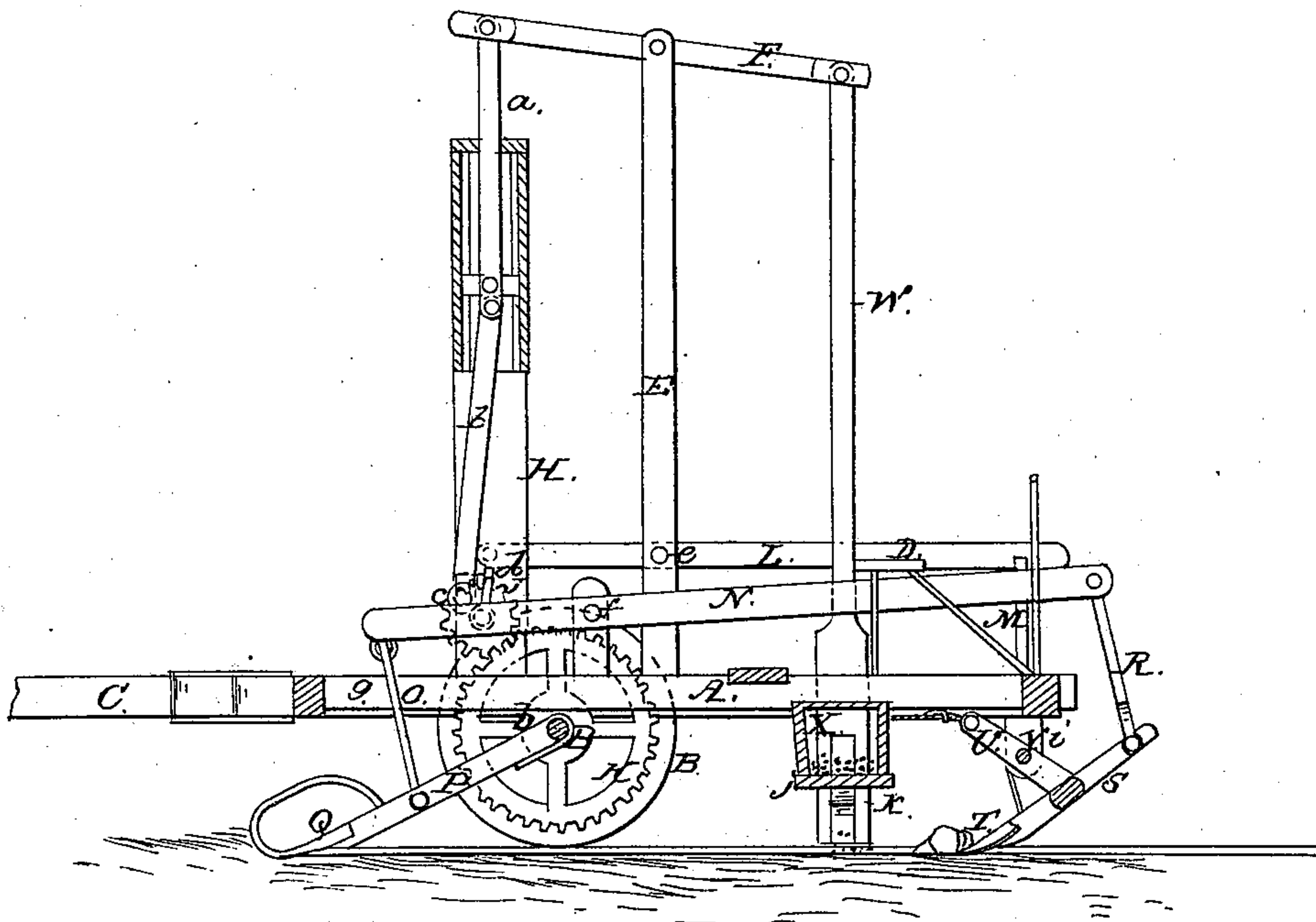
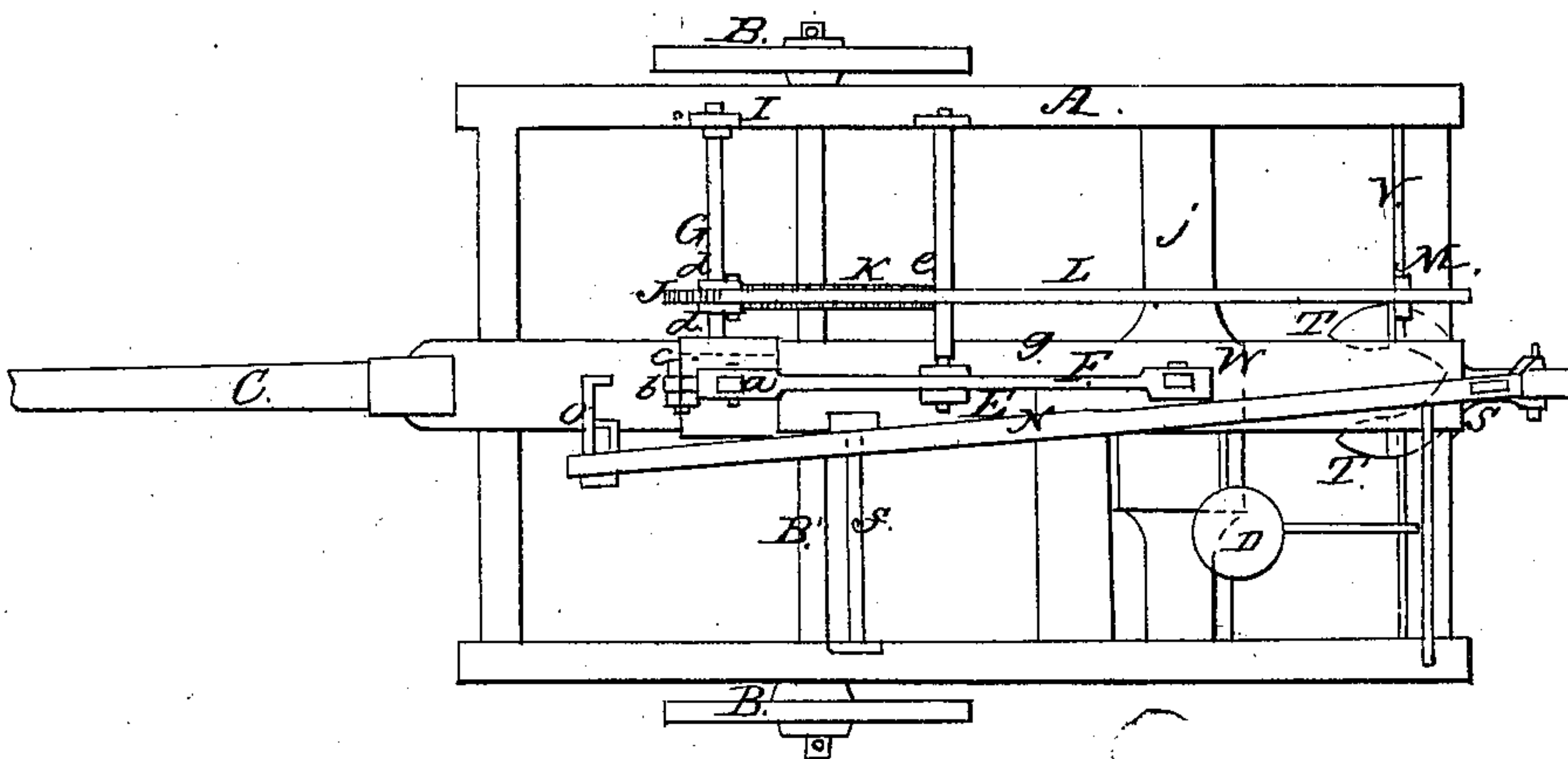


Fig. 2.



# UNITED STATES PATENT OFFICE.

SAMUEL BAKER, OF MOUNT PULASKI, ILLINOIS.

## IMPROVEMENT IN SEED-PLANTERS.

Specification forming part of Letters Patent No. 19,122, dated January 19, 1858.

*To all whom it may concern:*

Be it known that I, SAMUEL BAKER, of Mount Pulaski, in the county of Logan and State of Illinois, have invented a new and Improved Seed-Planting Device; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal vertical and central section of my improvement. Fig. 2 is a plan or top view of same.

Similar letters of reference indicate corresponding parts in the two figures.

This invention consists in a peculiar arrangement of the seed-distributing device, as will be hereinafter fully shown and described, whereby the above parts are placed under the complete control of the attendant or driver, and the machine rendered extremely simple in construction and efficient in its operation.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a horizontal rectangular frame, which is mounted on two wheels, B B, one of said wheels being firmly secured to its axle B' and the other placed loosely on it.

C is the draft-pole attached to the front end of the frame A, and D is the driver's seat, placed on the back part of the frame A and at one side.

E is an upright, placed at the center of the frame A, and F is a walking-beam attached to the upper end of upright E. One end of the walking-beam is connected by a link, *a*, with a rod, *b*, the lower end of which is attached to a crank, *c*, on one end of a shaft, G. The journals of the shaft G are fitted in oblong slots, one of which is made in the lower part of an upright, H, and the other in the upper end of a short upright, I.

On the shaft G a pinion, J, is placed, and this pinion gears into a spur-wheel, K, which is placed on the axle B'.

To the shaft G, and at either side of the pinion J, an arm, *d*, is placed. These arms are placed loosely on the shaft, so that the latter may turn freely in them, and the upper ends of the arms are attached to the front end of a lever, L, which has its fulcrum at *e*. The back end of the lever L, when the pinion J is

in gear with the wheel K, rests on an upright, M, on the back part of the frame A.

N is a lever placed longitudinally on the frame A and having its fulcrum at *f*. The front end of this lever is attached to the upper end of a link, O, which passes through a center beam, *g*, of the frame A, and has its lower end attached to a beam, P, the upper end of which is connected by a strap, *h*, to the axle B'.

To the lower end of the beam P a share, Q, of shovel form, is attached.

To the back end of the lever N a link, R, is attached. The lower end of this link is pivoted to the outer end of a bar or beam, S, the lower end of which is forked and has a shovel-share, T T, secured to each termination. The bar or beam S has an arm, U, attached to it, said arm being placed on a shaft, V, the ends of which are fitted in pendants *i i*, attached to the under side of the frame A at its back end. The shaft V passes through the center of the arm U, which is allowed to turn or work freely thereon.

To the end of the walking-beam F, opposite to the end where the link *a* is attached, there is connected a vertical bar, W. The lower part of this bar works through a seed-box, X, which is placed on a cross-piece, *j*, underneath the frame A. The bar W has a recess, *k*, made in one of its sides at its lower part. (See Fig. 1.) This recess, as the bar W moves upward and said recess passes within the seed-box, fills with seed, and as the recess passes below the hopper at the downward movement of the bar W the seed will fall into the furrow made by the share Q.

The bar W is operated or moved up and down by the walking-beam F, actuated by the link *a* and rod *b* from the crank *c*. The crank-shaft G is rotated from the wheel K on the axle B' by the pinion J, and this pinion may be thrown in and out of gear with the wheel K, as described, by actuating the lever L. Consequently the dropping of seed may be stopped at any time by the attendant or driver. The furrow and covering-shares Q T T may also be raised or depressed, when desired, by adjusting the lever N, so that they may penetrate the ground and perform their proper work, or be lifted entirely free from it. The furrow-share is placed in line with the space



between the two covering-shares T T, so that the latter may throw the earth into the furrow made by the former.

From the above description of parts it will be seen that the distributing device and also the furrow and covering-shares are placed under the complete control of the attendant or driver.

I do not claim broadly and irrespective of the arrangement herein shown the reciprocating bar W, provided with the recess *k*, and working vertically through the seed-box X for distributing the seed, for this is a well-known device, and is common to many seed-ing-machines; but,

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

The reciprocating bar W, provided with the recess *k*, when operated by means of the walking-beam F, link *a*, rod *b*, and crank *c*, on the adjustable shaft G, connected with the lever L, substantially as shown, for the purposes specified.

SAMUEL BAKER.

Witnesses:

N. M. WHITAKER,

ROBT. O. PARAUTEUR.