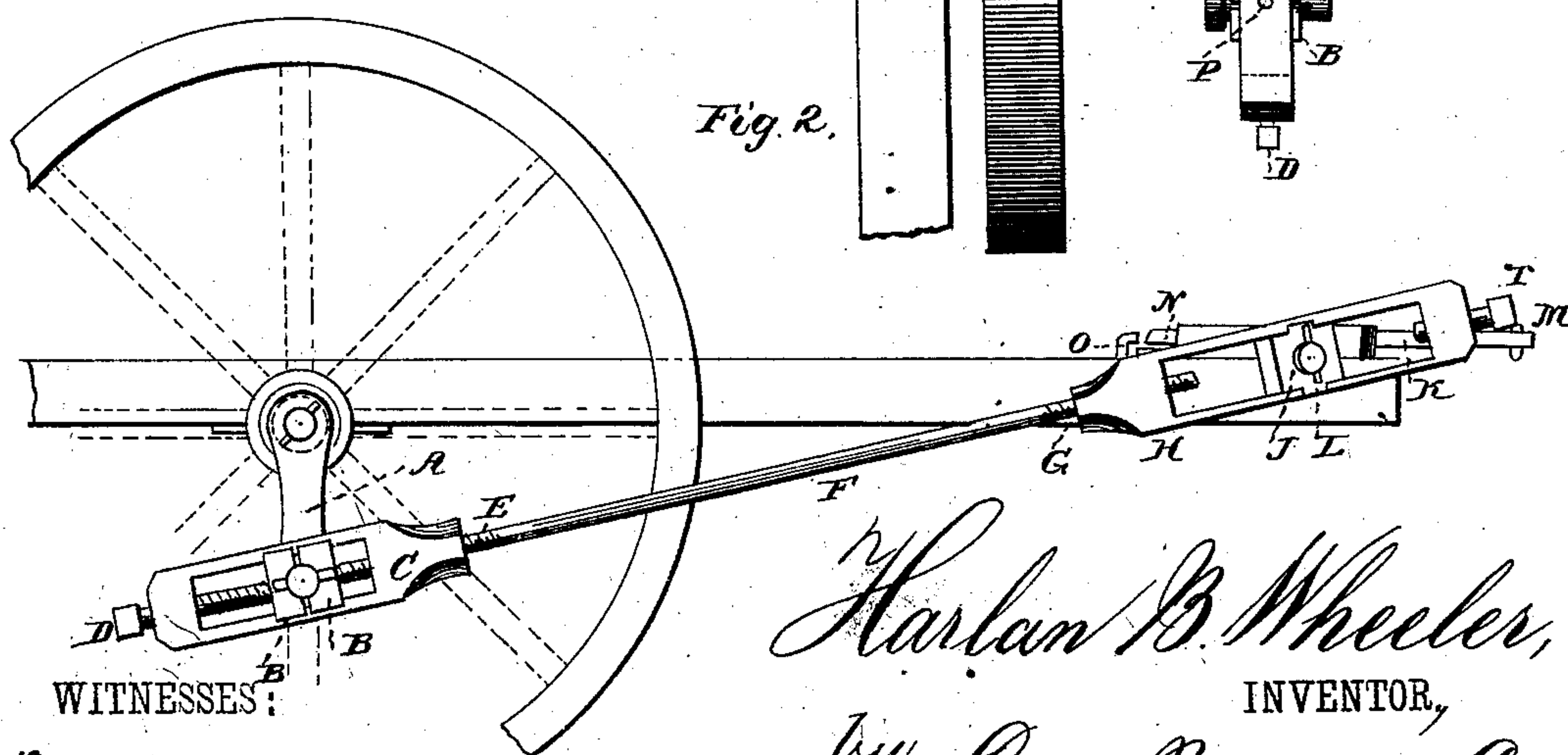
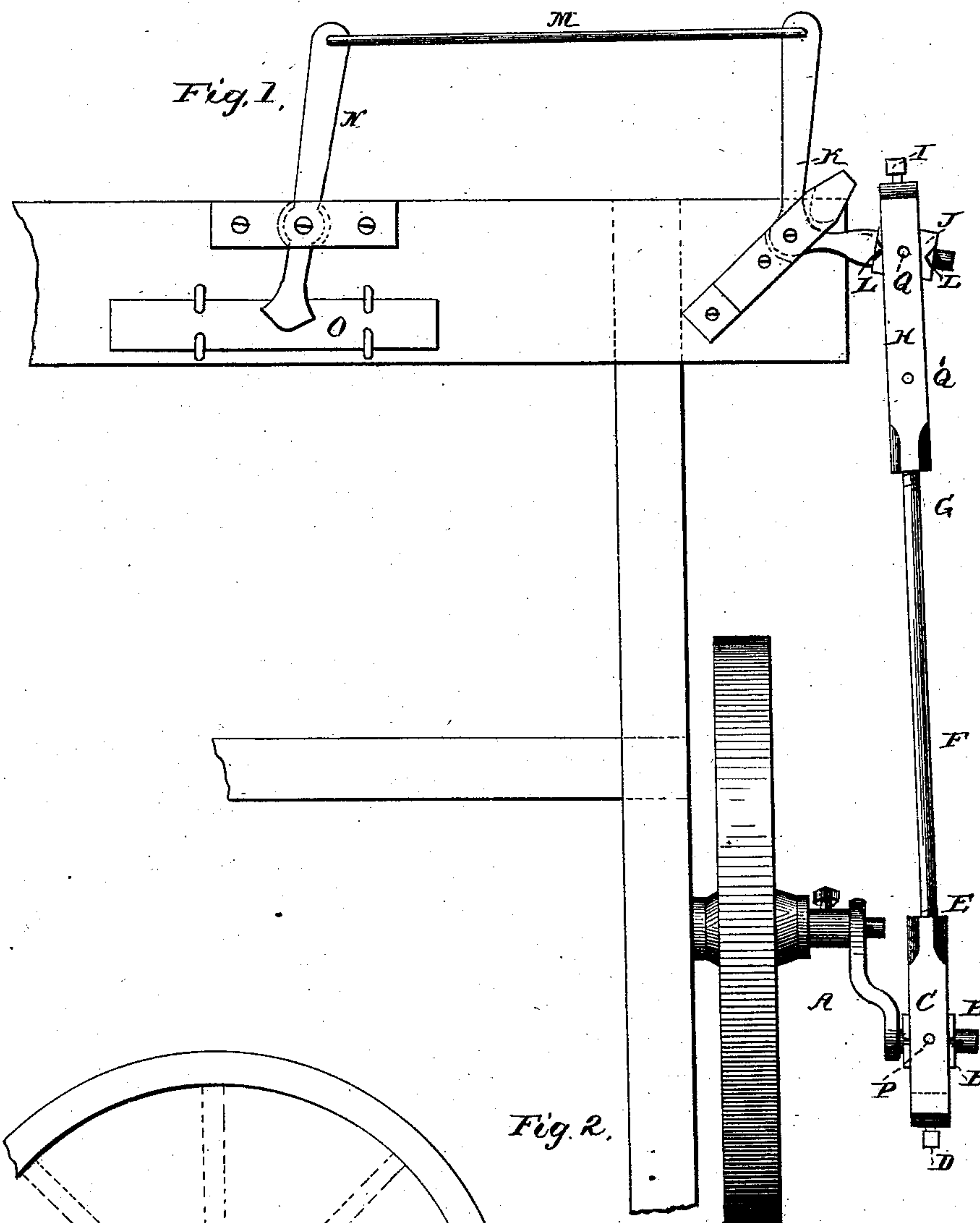


(No Model.)

H. B. WHEELER.  
SELF DROP CORN PLANTER.

No. 272,392.

Patented Feb. 13, 1883.



WITNESSES:

Med. L. Dietrich  
J. G. Finkel

Harlan B. Wheeler,  
INVENTOR,  
by Louis Bagger & Co.  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

HARLAN B. WHEELER, OF NOBLE, ILLINOIS, ASSIGNOR TO JANE ANN WHEELER, OF SAME PLACE.

## SELF-DROP CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 272,392, dated February 13, 1883.

Application filed October 24, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, HARLAN B. WHEELER, of Noble, in the county of Richland and State of Illinois, have invented certain new and useful Improvements in Self-Drop Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a top view of my improved gearing for seed-slides, and Fig. 2 is a side view of the same.

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

My invention has relation to gearings for seed-slides in corn-planters and other seeding-machines; and it consists in the improved construction and combination of parts of the same, as will be hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates a crank, which is fastened to the drive-axle or the hub of the drive-wheel of a seeding-machine. The pin of this crank turns in a box composed of two flanged blocks, B B, recessed to receive the pin. This box is held in a slotted pitman-head, C, by means of a headed screw, D, passing through one end of the head, and the screw-threaded end E of the pitman-rod F entering the other end. By turning one of these screws and following after with the other screw the box may be adjusted at any place in the slotted head. The other screw-threaded end, G, of the pitman-rod enters another slotted head, H, which is also provided at its outer end with a headed screw, I.

In the slot of the head H travels a square block, J, which is pivoted on the round end of a bell-crank, K, and provided at its upper and lower sliding surfaces with triangular or round offsets or knobs L, one on each side of the head. These knobs hold the slotted head H in position, sliding on the block J, while their being triangular or rounded admit of a rocking motion of the head in the slot as it rocks the bell-crank. The end of the bell-crank K being round admits also of an oscillating motion of the square block J as the head H is rocked by the crank A through the rod F. A connecting-rod, M, transmits the motion

from the other arm of the bell-crank to one end of a lever, N, the other end of which operates the seed-slide O.

The head H is supplied with holes Q Q in its upper part for oiling the slot where the block J slides. The head C is also provided with a hole, P, for lubricating the box and crank-pin.

It will be seen that by turning one or both of the screws G and I the throw of the block J, and consequently of the bell-crank, may be adjusted at will, and that by the ends E and G of the rod F being screw-threaded in the same direction the throw of the crank A will remain unaffected by the turning of rod F, the distance between the heads C and H remaining the same. By their being threaded in this manner, when the end G of the rod is turned farther into the head H the end E works out of the head C, and by then forcing the screw D farther in, the box B B slides up toward the end of the rod and is held fast by the end E of the pitman-rod and by screw D, thus always preserving the same distance between the box B B and the end G of the rod.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a seeding-machine, the combination of the pitman consisting of the slotted head C, provided with sliding box B B and screw D, rod F, screw-threaded at both ends, and slotted head H, having screw I, with the bell-crank K, having square block J, provided with triangular or rounded offsets L, pivoted on its outer round end, actuating the seed-slide, substantially as set forth.

2. In a seeding-machine, the gearing for seed-slides, consisting of the crank A, slotted head C, having box B B and screw D, rod F, screw-threaded at both ends, one end entering head C and the other head H, slotted head H, having screw I, square block J, having offsets L and pivoted on the rounded end of bell-crank K, bell-crank K, connecting-rod M, lever N, and seed-slide O, all constructed and combined to operate substantially as and for the purpose set forth.

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

Witnesses: HARLAN BURGESS WHEELER.

R. N. MCCAULEY,

N. L. MCCAULEY.