G. A. SHARP.
Corn-Planter.

No. 209,718. Patented Nov. 5, 1878.

Fig. 1.

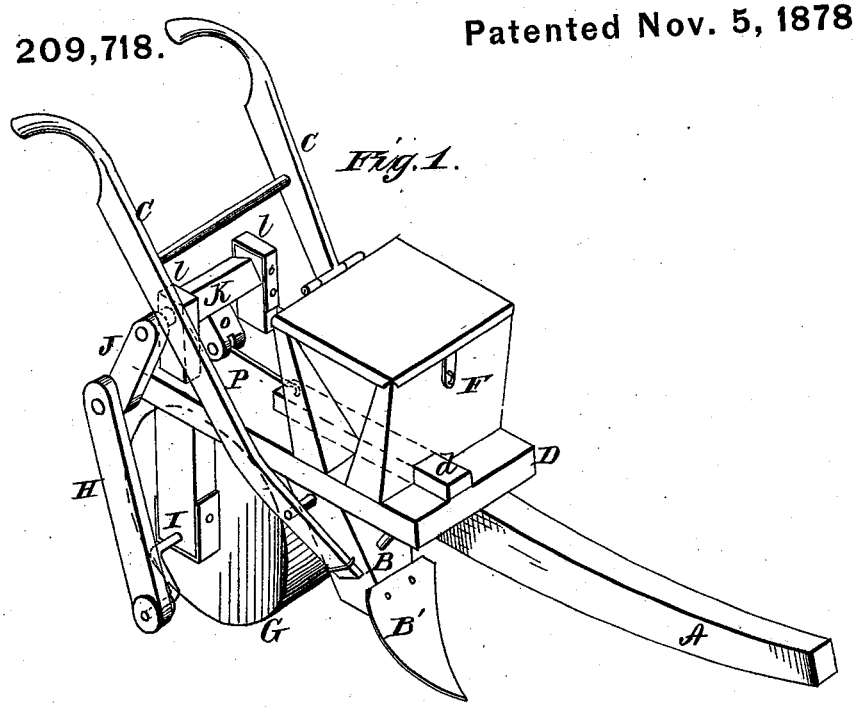
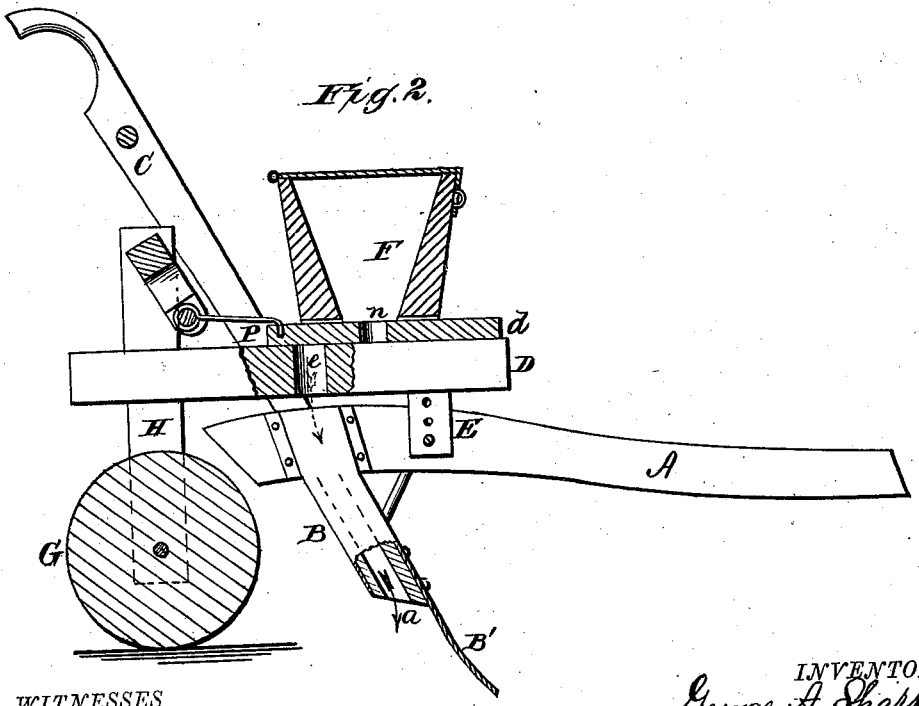


Fig. 2.



WITNESSES
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GEORGE A. SHARP, OF HARMONY, KENTUCKY.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **209,718**, dated November 5, 1878 ; application filed September 12, 1878.

To all whom it may concern:

Be it known that I, GEORGE A. SHARP, of Harmony, in the county of Owen and in the State of Kentucky, have invented certain new and useful Improvements in Corn-Planters; 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, making a part of this specification.

The nature of my invention consists in the construction and arrangement of the several parts of a seed-planter, the peculiarities of which will be hereinafter more fully set forth.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, making part of this specification, Figure 1 represents a perspective of my invention, and Fig. 2 a partial longitudinal section.

In the drawings, A represents an ordinary plow-beam, with a foot, B, and handles C, the foot being provided as usual with a blade, B′. D represents a platform, which is adjustably pivoted or hinged at its forward end to the beam A, as represented by the plates E. The plates are secured to the beam on each side by pivots, and then securely fastened to the platform. These plates have graduated holes through them for raising or lowering the end of the platform.

Upon the platform is secured the seed-hopper F. *d* represents the seed-slide, which lies upon the platform, and which plays in an opening made to receive it in the bottom of the hopper. The slide is provided with a hole, *n*, which corresponds when it reciprocates with a hole, *e*, in the platform, which has beneath it a seed-channel in the foot B.

Depending from the rear end of the platform are two supports, I, in which the crank-shaft of a roller, G, has its bearings. This roller runs behind the foot B, and covers the grain. It also answers the purpose of operating the seed-slide through suitable mechanism, as follows: A pitman, H, connects to the crank-shaft of the roller at one end and to a connecting-bar, J, at the other. One end of the connecting-bar J connects with a rock-shaft, K, which has its bearings in two uprights on the rear end of the platform, and which has an arm, *o*, secured to it. This arm connects with a rod, P, which has one end secured to the seed-slide.

When the roller which rests upon the ground revolves a reciprocating movement is communicated to the seed slide through the parts just described, thus causing it to carry seed at each return stroke to the hole *e* in the platform, from whence it drops through the channel in the foot B to the ground. The size of the roller regulates the quickness of stroke of the seed-slide, and consequently the distance between the hills of corn or other seed.

The roller being connected to the rear end of the platform, and the forward end of said platform being hinged, it can readily adjust itself to the inequalities of the ground.

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

The combination of the beam A, adjustably-pivoted plates E, secured to the platform D, hopper F, hangers I, roller G, with crank-axle and the pitman H, rocking shaft K, with arms J *o*, and the rod P, for imparting motion from the roller to the slide in the hopper, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of August, 1878.

GEORGE A. SHARP.

Witnesses:
ALEXANDER WILLIAMS,
J. G. CONNER.