No. 813,987. PATENTED FEB. 27, 1906.

T. S. McMAHON.

DEVICE FOR REPLANTING CORN.

APPLICATION FILED SEPT. 1, 1905.

Fig. 1.

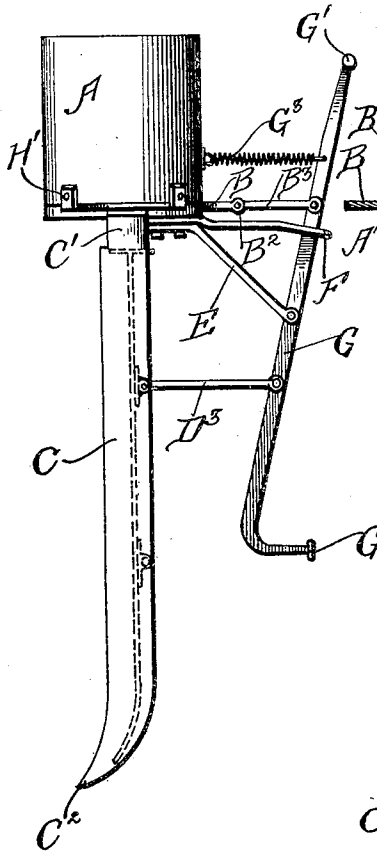



Fig. 2.

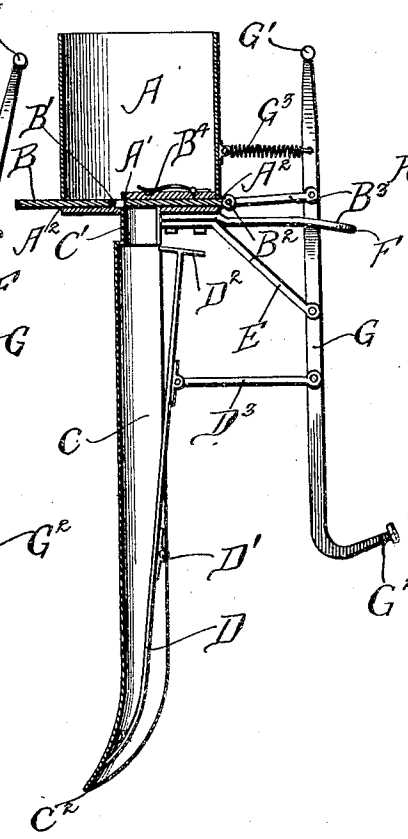



Fig. 3.

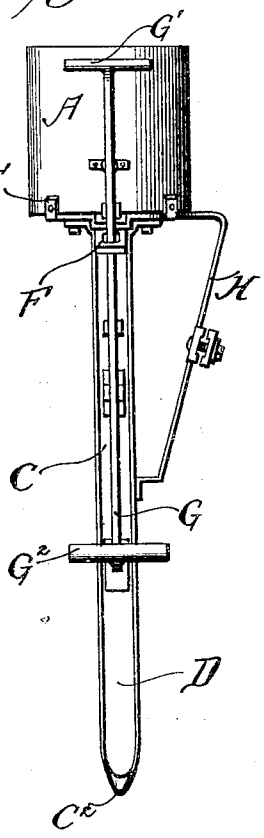



Fig. 4.

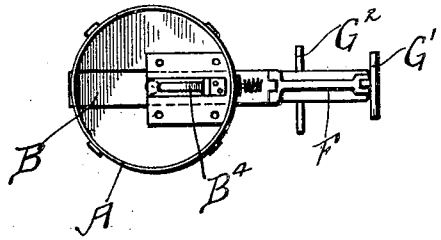
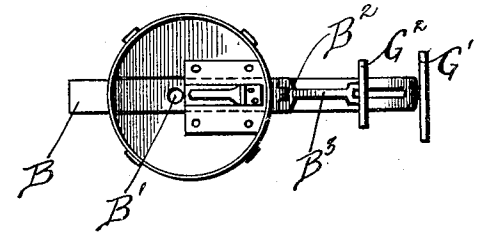



Fig. 5.




Witnesses:

Rea P. Wright.

Inventor:

Thomas S. McMahon.

By Howard & Brock

Attorneys

# UNITED STATES PATENT OFFICE.

THOMAS S. McMAHON, OF CHAMPAIGN, ILLINOIS.

## DEVICE FOR REPLANTING CORN.

No. 813,987. Specification of Letters Patent. Patented Feb. 27, 1906.

Application filed September 1, 1905. Serial No. 276,703.

*To all whom it may concern:*

Be it known that I, THOMAS S. McMAHON, a citizen of the United States, residing at Champaign, in the county of Champaign and State of Illinois, have invented certain new and useful Improvements in Devices for Replanting Corn, of which the following is a specification.

My invention relates to certain new and useful improvements in devices for replanting corn, and has for its object to provide a device that is especially adapted to be attached to a cultivator, so that missing or injured corn can be replanted while the corn is being cultivated.

Another object of my invention is to provide a device that is very simple and cheap in construction and one that can be readily attached to the ordinary cultivator or plow now in use.

A further object of my invention is to provide a device that is so constructed that a grain of corn is always held in the foot of the spout, so that it can be easily deposited by operating the lever by foot or hand.

With these objects in view my invention consists of the novel construction and arrangement of parts hereinafter more fully described, pointed out in the claims, and shown in the accompanying drawings, in which—

Figure 1 is a side elevation of the planter. Fig. 2 is a vertical section of the planter. Fig. 3 is a rear view of the planter. Fig. 4 is a top plan view showing the slide closed, and Fig. 5 is a top plan view showing the slide open to receive the grain.

Referring to the drawings, A indicates the hopper of the planter, which is adapted to carry the grain and is provided with a circular opening A′ in the bottom and slots $A^2$, formed adjacent the bottom or opposite sides in which a slide B, provided with a grain-receiving opening B′, is adapted to work. One of the ends is provided with an eye $B^2$, to which is connected the link $B^3$. A spring guard or cut-off $B^4$ is secured in the hopper above the slide and prevents more than one grain of corn getting into the opening B′ of the slide at one time. A spout C is connected to the hopper and is provided with a reduced upper end forming a chamber C′, which is secured in the opening A′ in the hopper and is provided with a curved pointed lower end forming a foot $C^2$. The back of the spout C is cut away from the chamber down, and a strip D is pivoted in the spout at D′ and is provided with a curved lower end adapted to engage the front of the spout and hold the grain of corn between the same. The upper end is provided with a cap $D^2$, adapted to close the bottom of the chamber C′ and hold the grain in the chamber while the grain in the spout is being planted. A brace E, provided with a bifurcated end, and a guide-arm F, provided with a slot, is secured to the bottom of the hopper and extends out to the rear. A lever G is provided between the bifurcations in the end of the brace and extends up through the slot in the arm F and is provided with a handle G′ at its end. The lower end is bent at right angles and is provided with a cross-bar $G^2$ at its end, so that it can be opened by the foot. The lever is connected to the strip D by a link $D^3$ and to the link $B^3$, carried by the slide, so that when the slide is closed the cap at the bottom of the chamber is opened and when closed just the reverse. A coil-spring $G^3$ connects the lever to the hopper and has the tendency to hold the strip against the bottom of the spout. The hopper is secured in place by the lugs H′ on the brace H, which is connected to the spout at its lower end and is provided with an adjustable clamping-block, so that it can be connected to a harrow or plow, as may be desired.

From the foregoing description it will be seen that I have provided a very simple device that will plant one or more grains of corn when desired, as the slide can be provided with one or more holes so as to feed any number of grains.

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

1. In a device of the kind described, the combination with a hopper, of an open side curved spout connected to said hopper and a curved member pivoted in said spout adapted to hold grain in the bottom of the spout, for the purpose described.

2. In a device of the kind described, the combination with a hopper, of an open side curved spout provided with a chamber at the top connected to said hopper, a curved strip pivoted in said spout provided with a cap at one end adapted to close said chamber, and means connected to said strip for opening or closing said chamber, for the purpose described.

3. In a device of the kind described, the combination with a hopper provided with a

perforated slide, of an opened side pointed spout connected to said hopper provided with a chamber, a curved member pivoted in said spout adapted to close said chamber-spout and a spring-actuated lever connected to the member and slide, for the purpose described.

4. In a device of the kind described, the combination with a hopper provided with a perforated slide, of a spring member secured on said slide, an open spout connected to said hopper provided with a curved lower end, a strip pivoted in said spout provided with a curved lower end, and a spring-actuated lever connected to the strip and slide, for the purpose described.

5. In a device of the kind described, the combination with a hopper, of an open slide-spout connected to said hopper provided with a curved pointed lower end, a chamber formed in the top of the spout adjacent the hopper, a strip provided with a curve at one end and a cap at the other pivoted in said spout, and a spring-actuated lever connected to said strip, for the purpose described.

6. In a device of the kind described, the combination with a hopper, provided with a perforated slide, a spring-guard secured over said slide, the brace secured to the bottom of the hopper, a guide-arm secured to the bottom of the hopper, of an open side curved pointed spout connected to the said hopper, provided with a chamber at its top, communicating with the hopper, a strip provided with a curve at one end, and a cap at the other end, pivoted in said spout, a lever pivoted on said brace, a link connecting said lever and slide, a spring connected to the upper end of the lever and to the hopper, and a link connecting the lever with the strip, for the purpose described.

THOMAS S. McMAHON.

Witnesses:
W. F. Woods,
Harley Vorheis.