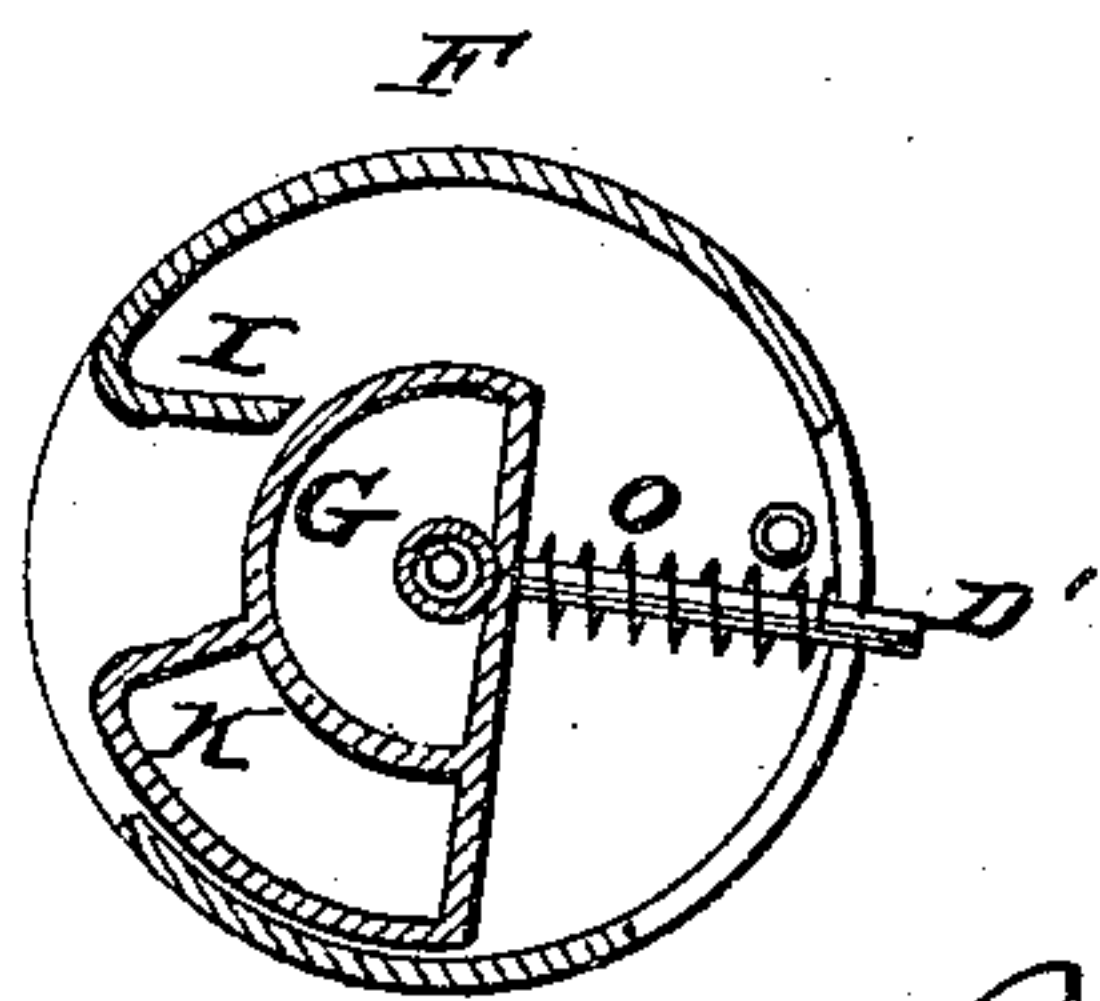
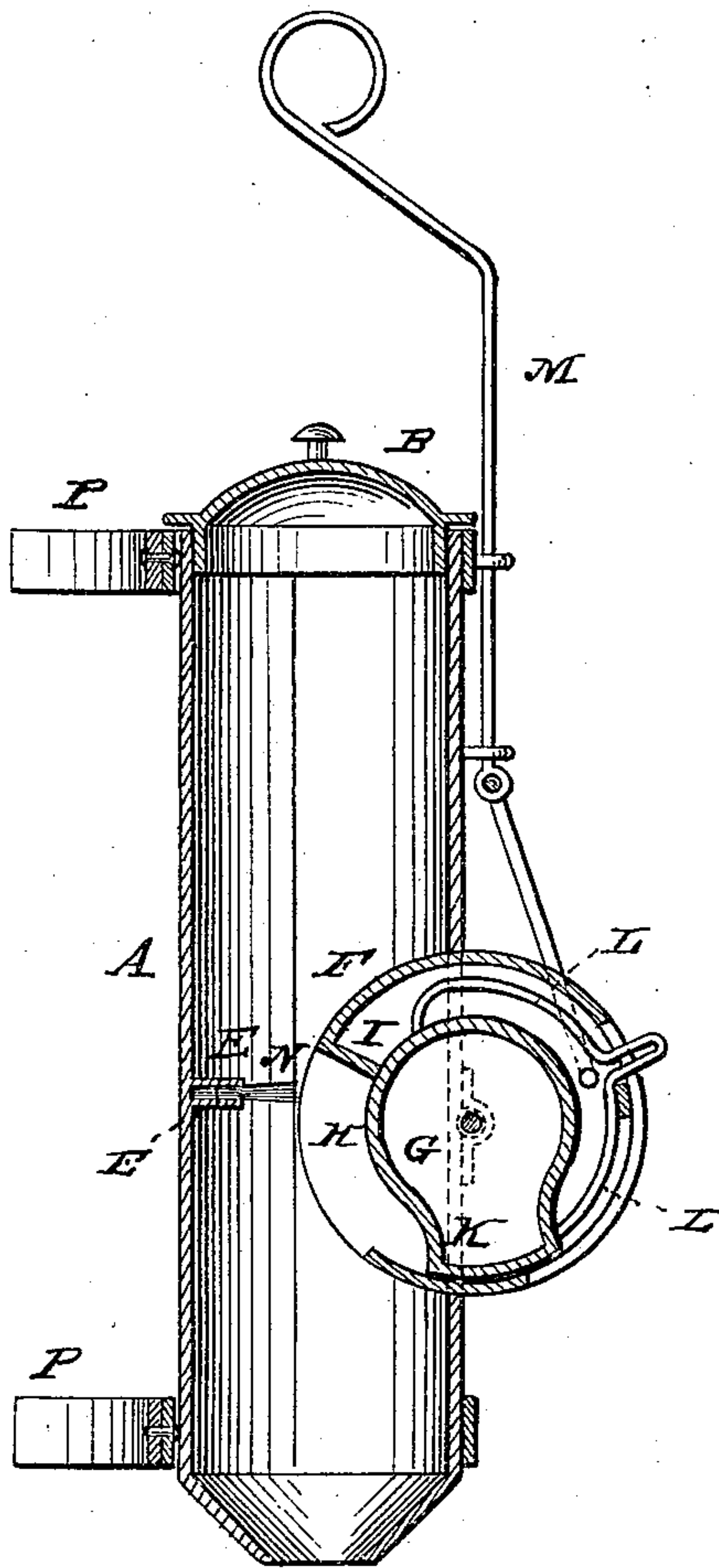


R. W. CALDWELL.

Corn Dropper.

No. 109,584.

Patented Nov. 29, 1870.



Witnesses:

Chas. Nida
J. S. Mabee

Inventor

R. W. Caldwell

per Munroe

attys.

United States Patent Office.

MAJOR ROBERT WILSON CALDWELL, OF JACKSON, OHIO.

Letters Patent No. 109,584, dated November 29, 1870.

IMPROVEMENT IN CORN-DROPPERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, MAJOR ROBERT WILSON CALDWELL, of Jackson, in the county of Jackson and State of Ohio, have invented a new and improved Corn-Dropper; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvement in apparatus for dropping corn, and consists in the combination of an oscillating valve, valve-case, and springs, the same being arranged to operate in connection with a suitable cylinder or case, as hereinafter described.

Figure 1 is a sectional elevation of my improved corn-dropper, and

Figure 2 is a sectional elevation of the valve, showing a slight variation in the construction.

Similar letters of reference indicate corresponding parts.

A is the sheet-metal cylinder, having a removable cover, B, for supplying the corn to the chamber above the partition E, and the upper hub of the case F of the valve G. The said case is made in cylindrical or other form, with a pocket, H, opposite the partition E, and let into the side of the case A with its transverse axis parallel to the longitudinal axis of the case.

The upper wall of the pocket H is a short radial plate, I, extending from the periphery of the case inward, and fitting against the periphery of the valve G,

which is cylindrical for the most part, with an extension, K, at the lower side working against the inner face of the valve-case F, below the pocket H. This valve is pivoted in the axis of the valve-case, and is provided with a wire spring, L, at the back, which presses it against the plate I and the lower part of the case F. It is moved back and forth to open and close the escape-passage, by working the rod M up and down at the proper time.

The partition E is provided with a cut-off brush, N, against which the projection K closes the passage when turned upward.

Figure 2 represents a slight modification of the form of the valve, and a different arrangement of the spring O for holding the valve to its seat; the said spring being placed on a rod, O', extending from the axis of the valve out through the case, between the inner wall of the case and the valve. In this case, the working-rod M is to be attached to the rod O'.

The case A is provided with clips, P, for attaching to the handle of a plow, hoe, or other article, for convenience in supporting it.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the valve G and case F of the springs L or O, substantially as specified.

MAJOR ROBERT W. CALDWELL.

Witnesses:

DAVID MACKLEY,
JOHN H. MACKLEY.