

W. B. KREIGHBAUM.

DROPPERS FOR REAPING-MACHINES.

No. 173,970.

Patented Feb. 22, 1876.

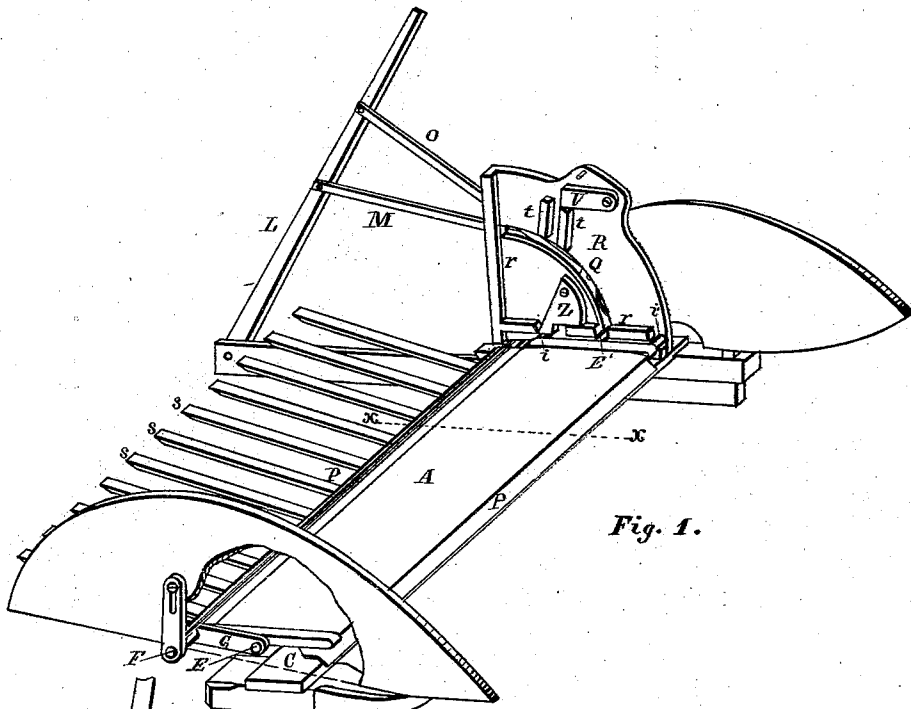


Fig. 1.

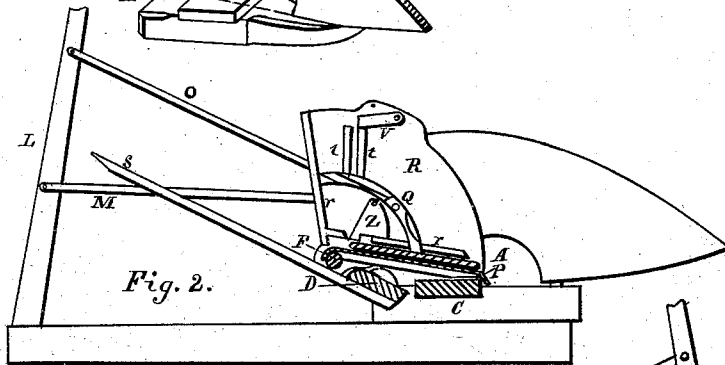


Fig. 2.

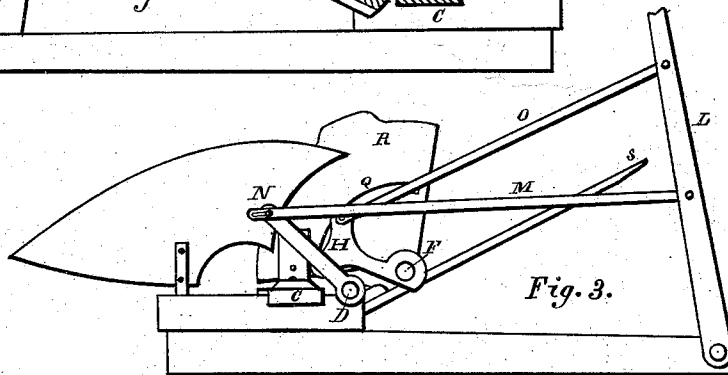


Fig. 3.

Witnesses:

John A. Campbell.
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UNITED STATES PATENT OFFICE.

WILLIAM B. KREIGHBAUM, OF GREEN TOWNSHIP, SUMMIT COUNTY, OHIO.

IMPROVEMENT IN DROPPERS FOR REAPING-MACHINES.

Specification forming part of Letters Patent No. 173,970, dated February 22, 1876; application filed December 21, 1875.

To all whom it may concern:

Be it known that I, WILLIAM B. KREIGHBAUM, of Green township, Summit county, Ohio, have invented an Improvement in Droppers for Reaping-Machines, of which the following is a specification:

My invention relates to that class of reaping-machine droppers wherein a series of slats project at right angles from a shaft or bar hinged parallel to and at the back of the cutter-bar, against which slats, inclined upward by means of the shaft or bar, the cut grain lodges until sufficient has accumulated thereon to form a gavel, when the slats are dropped, allowing the stubble to push the gavel off onto the ground.

The object of my invention is to divide this gavel from the falling grain and even the butts thereof as it is dropped; and I accomplish this by means of a narrow board, lying directly back of the knives upon a narrow platform on top of the cutter-bar and dropper-shaft, arranged to revolve upon its rear edge as the gavel is dropped until it stands perpendicularly, and return to its former position by the lower edge sliding along the narrow platform to the front.

In the accompanying drawing, Figure 1 is a perspective view of the cutter-bar, dropper, and attachments, embodying my invention; Fig. 2, a cross-section of the same at the point *x x*, showing an elevation of the end-board R; and Fig. 3, an end view of the same, looking from the machine.

C is the cutter-bar, on which it was not deemed necessary to show the finger-guard, at the back of which is hinged the dropper-shaft D, with projecting slats *s s*, and moved by the lever L, connecting-rod M, and arm N. (See Fig. 3.) Over this dropper-shaft and cutter-bar, and entirely covering them, is the platform P; of sheet metal or other suitable material, upon which lies the board A, having sharp edges, and from the center of each end thereof the projecting pins *E E'*. Back of this board, and under the platform P, is a shaft, F, parallel to the cutter-bar, properly journaled at each end to revolve freely, and having fastened

thereto the arm G and forked arm H, (see Fig. 3,) and the board A is journaled between the ends of these arms by the pins *E E'*. To one fork of the arm H is attached the connecting-rod O, also attached to the lever L. Between the arm H and board A is the upright end-board R, provided with the curved slot Q, and on the face of which are raised fillets or ridges *r r t t* and gravitating catches, V Z. On the end of the board A nearest the machine are the two short pins *i i'*, so arranged as to pass freely over the face of the board R but be arrested by the ridges *r r t t* and catches V Z.

In operation, the board A lies in the position shown in Fig. 1, the dropper raised. When it is desired to drop the gavel, the lever L is drawn back, dropping the slats *s s* to the ground, by means of the rod M and arm N. At the same time the shaft F is revolved, raising the board A by the pins *E E'* and arms G H; but the pin *i*, meeting the catch Z, holds the back edge of the board down while the front edge rises until the board is perpendicular, thus dividing the gavel from the falling grain and evening the butts thereof. By throwing forward the lever L the dropper is again raised, but the pin *i'*, encountering the catch V, arrests the upper edge of the board from swinging down, and instead thereof the lower edge slides forward across the platform P, and under any grain that has fallen thereon, while the pin *i'* passes down between the fillets *t t* past the catch Z.

Having thus described my invention, I claim—

1. The board A, platform P, shaft F, arms G H, and end-board R, all operating substantially as shown, in combination with the cutter-bar C and dropper D, for the purposes hereinbefore stated.

2. The board A, having the pins *i i'*, in combination with the end-board R, provided with the ridges *r r* and gravitating catches Z V, substantially as described.

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Witnesses:

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