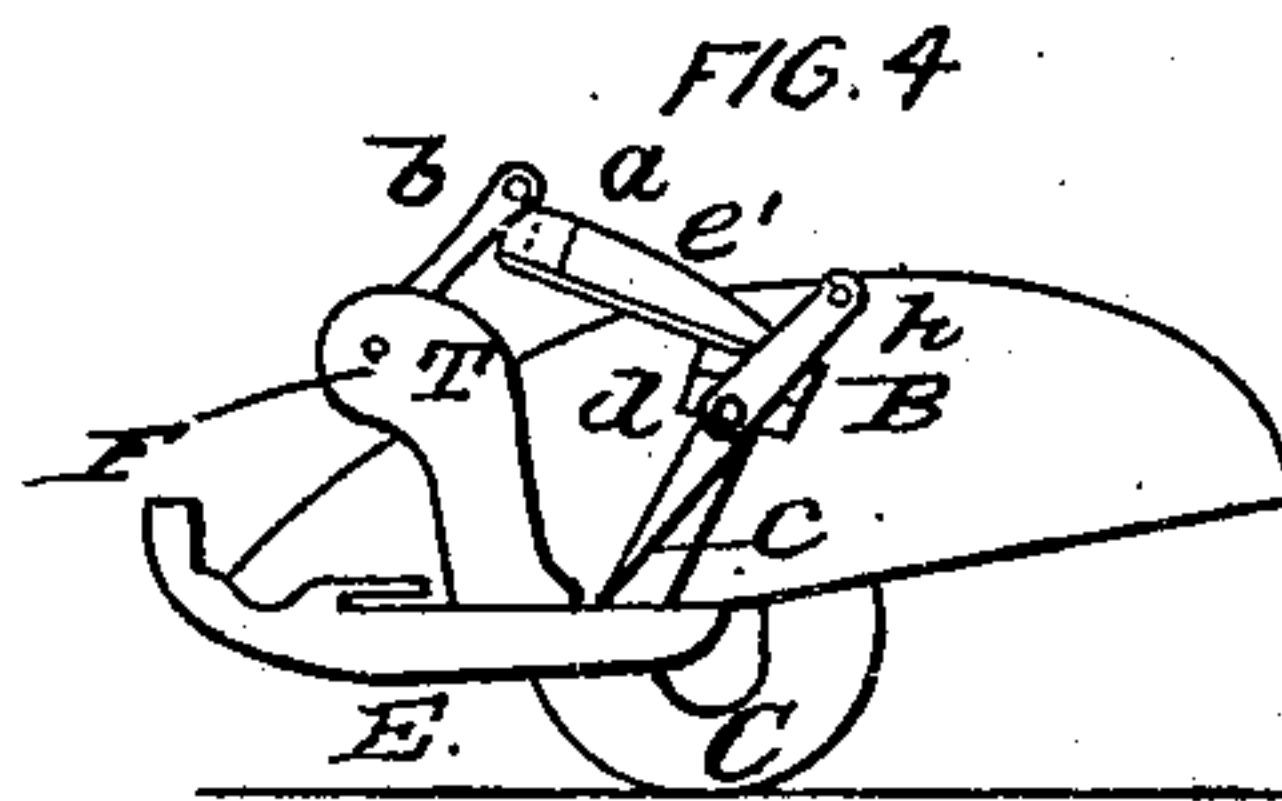
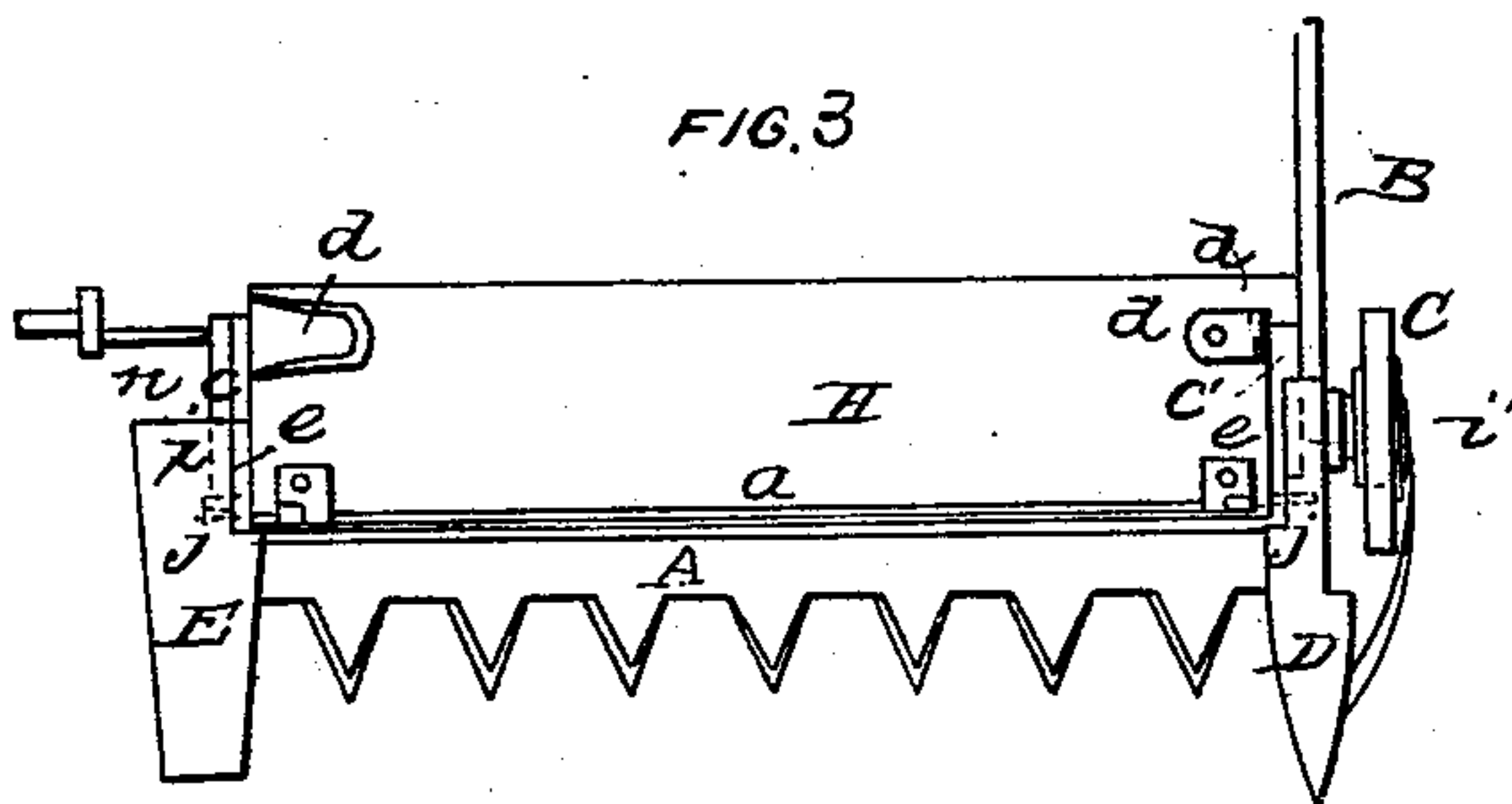
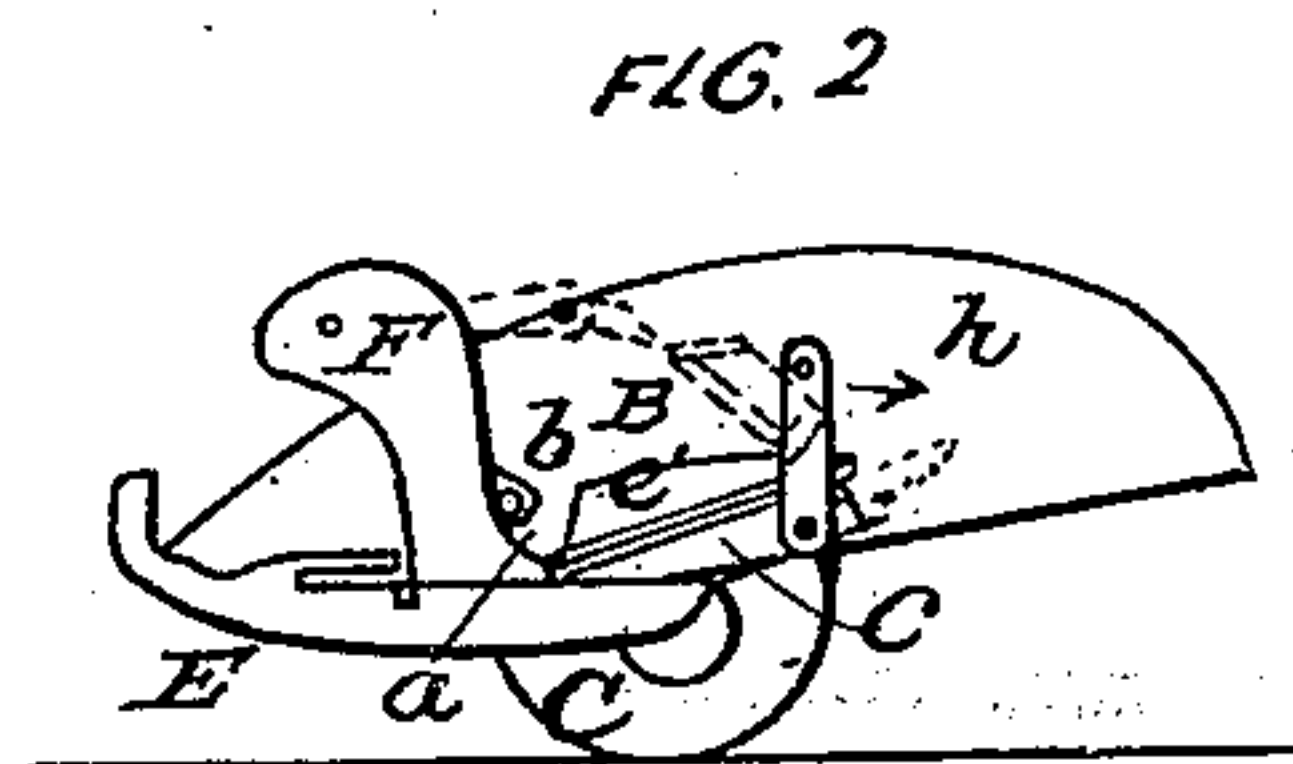
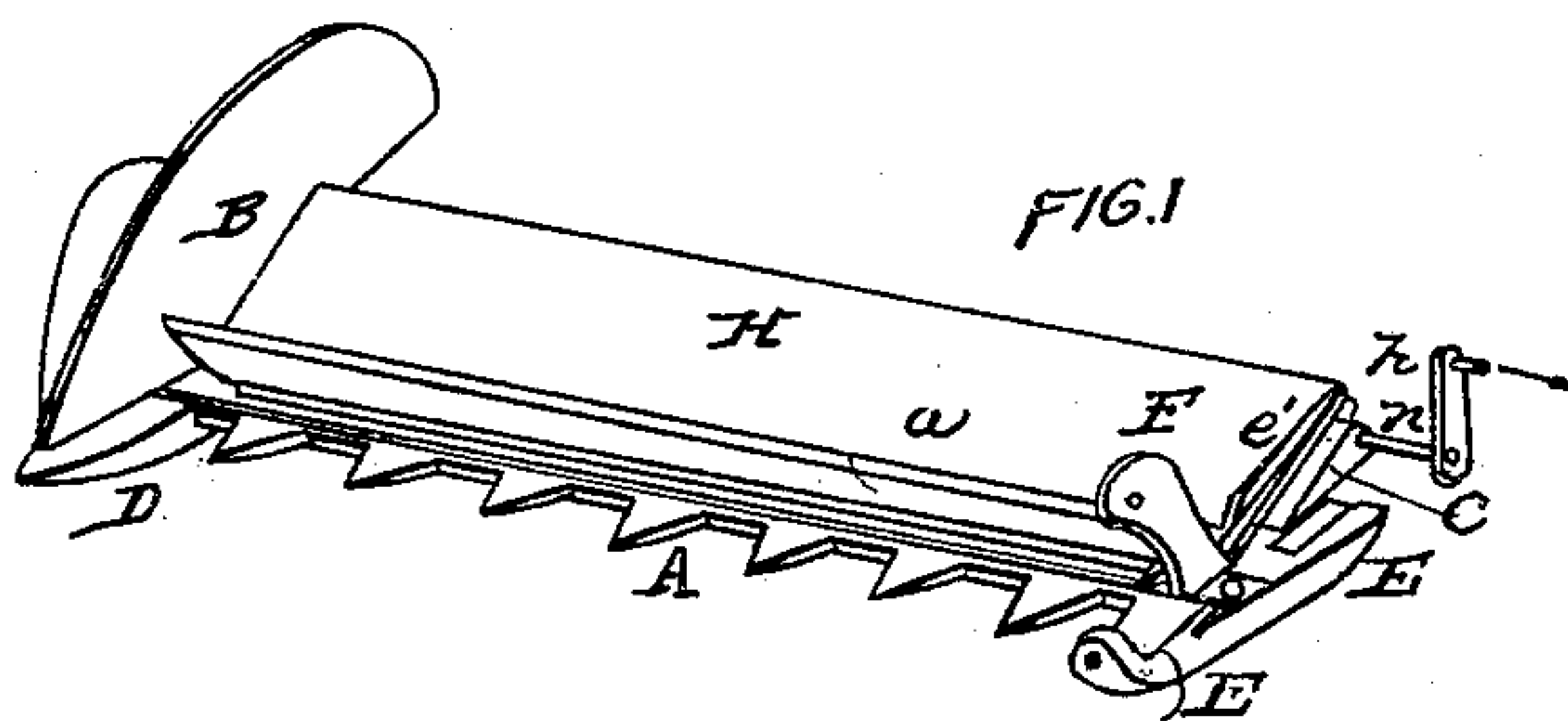


BROWN, INGHAM & LOMONT.

Harvester Dropper.

No. 49,077.

Patented Aug. 1, 1865.



WITNESSES
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J. O. BROWN, A. INGHAM, AND F. T. LOMONT, OF MASSILLON, OHIO.

IMPROVEMENT IN REAPING-MACHINES.

Specification forming part of Letters Patent No. 49,077, dated August 1, 1865.

To all whom it may concern:

Be it known that we, J. O. BROWN, A. INGHAM, and F. T. LOMONT, of Massillon, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Harvester Grain-Dischargers; and we do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the discharger. Fig. 2 is an end view. Fig. 3 is a view of the under side. Fig. 4 is a view of the end with the discharger in a different position from what it is in Fig. 2.

Like letters of reference denote like parts in the several views.

My improvement relates to a grain-discharger for harvesters constructed and operating as hereinafter described.

In the figures, A represents the cutter-bar; B, the dividing-board; C, a supporting-wheel; D, the outer and E the inner shoe of a harvester. On the top of the inner shoe, E, is secured a standard, F, to one side of which is pivoted a link, *b*. The other end of this link is attached in the same manner to a piece or strip, *a*, that is hinged to a platform, H, at *e e*, as seen in Fig. 3.

The platform is connected to the outer and inner shoes by means of arms *c c'*, pivoted to the sides of the shoes, as indicated by the dotted lines *j* in Fig. 3, and the other ends of the arms are pivoted to lugs *d*, secured to the under side of the platform near the rear edge. By means of these arms resting on the top of the shoes, as indicated by the dotted lines *i* in Fig. 3, the platform is supported in an inclined position upward toward the rear, as shown in Figs. 1 and 2.

At the inner end of the platform is a piece, *e'*, to prevent the grain from sliding off at this end, the other end being guarded by the dividing-board B.

n is a shaft that turns in the end of the arm *c*, and is secured in the lug *d* underneath the platform, and by which the platform is connected to this arm. On the shaft *n* is a crank, *h*, that can be arranged in connection with a lever so that the driver on the machine can op-

erate the discharger, or it can be arranged in connection with the gearing of the machine so as to operate it.

When in practical use, if the discharger is in the position shown in Figs. 1 and 2, the grain from the cutters falls on the strip *a* and platform H until the desired amount for a gavel is on the discharger, when, by turning the crank in the direction of the arrow in Figs. 1 and 2 a short distance, the platform is turned up, drawing the strip *a* by means of the hinges and link *b* forward, forming an inclined plane downward at the rear side, as indicated by the dotted lines in Fig. 2, when the gavel slides off or is deposited on the ground. The grain that is cut while the platform is moving and when it is in this position rests against the strip *a*, which, as the platform is turned back by reversing the motion of the crank, gradually turns up under the grain, thereby shortening the distance across the platform, which causes the grain to fall back upon it as it returns to its former position. (Shown in the drawings.) This motion of the discharger, as described, is a vibrating one, turning on a crank-shaft backward and forward, receiving the grain as it is cut and discharging it in gavels on the ground. In passing over obstacles the platform, being pivoted to the arms and the arms to the shoes, allows the platform to be raised up by the pressure of the obstacle underneath, more or less, as may be required to pass easily over the obstruction. The discharger can thus be elevated as high as shown in Fig. 4, or it can be raised into this position by the lever or gearing for any purpose.

What we claim as our improvement, and desire to secure by Letters Patent, is—

1. The link *b* and standard F, in combination with the strip *a* and platform H, hinged together, substantially as and for the purpose set forth.

2. The arms *c c'*, pivoted or hinged to the shoes, in combination with the platform H, substantially as and for the purpose set forth.

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Witnesses:

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