(No Model.) 2 Sheets—Sheet 1.

B. B. LEEDY.

CORN HARVESTER.

No. 409,987. Patented Aug. 27, 1889.

Fig. 1.

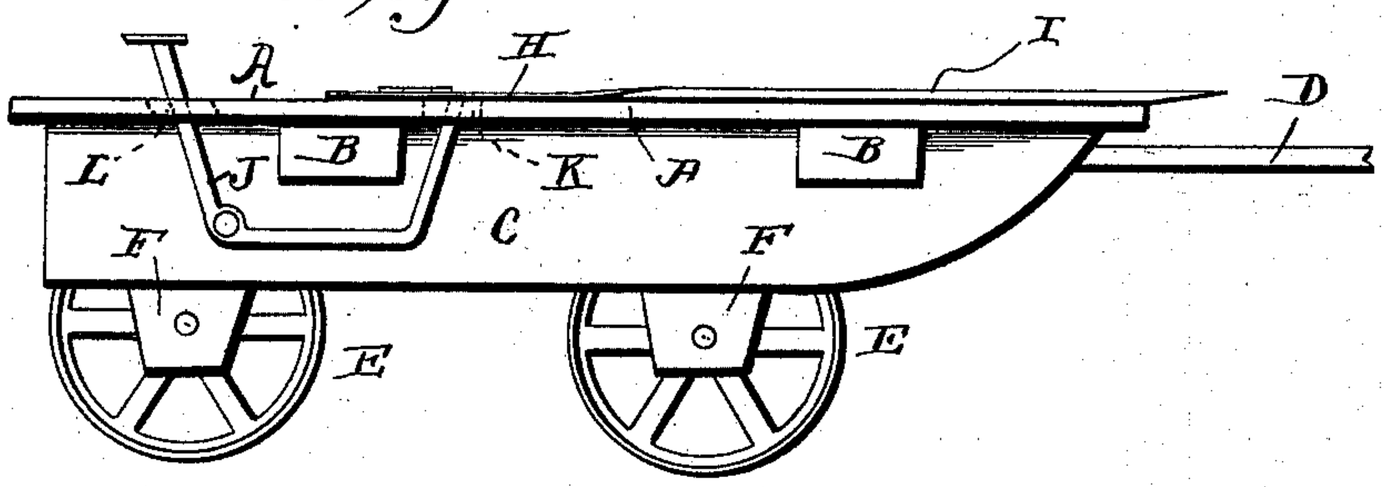


Fig. 2.

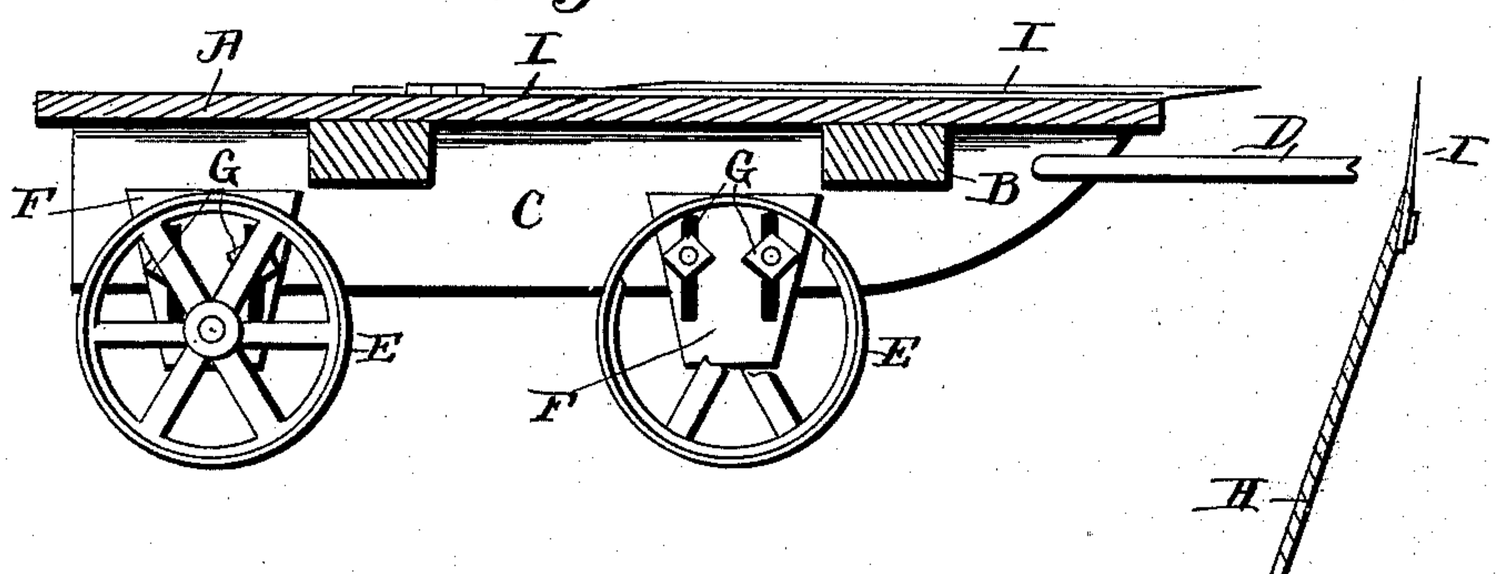
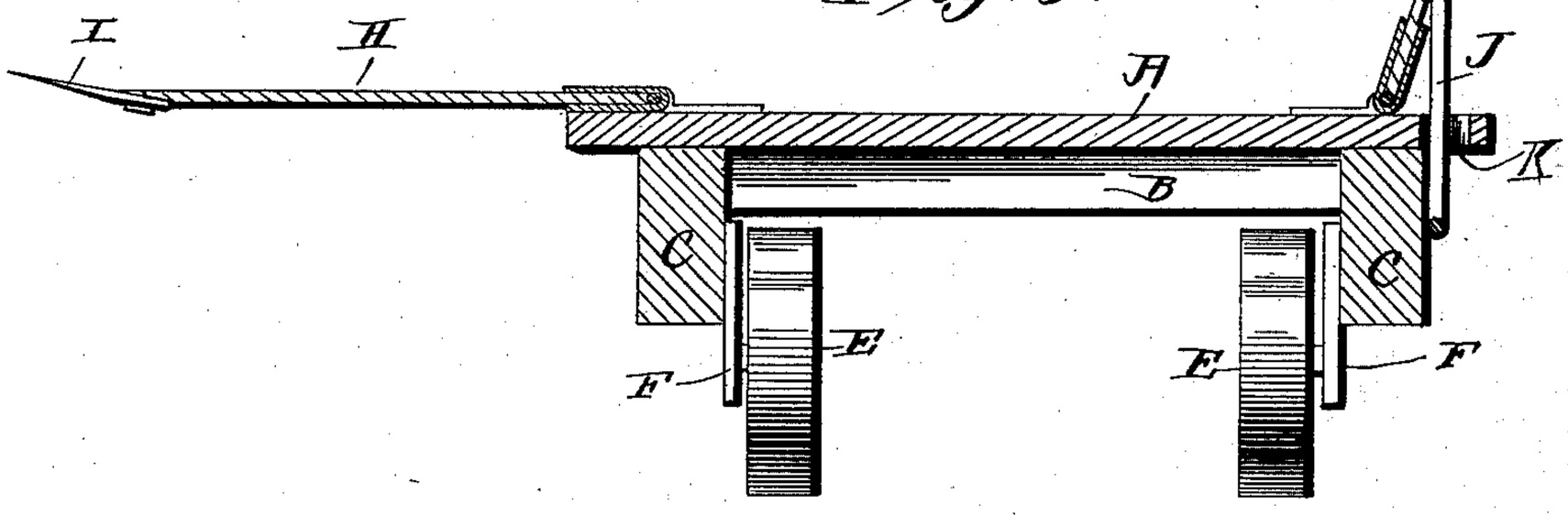


Fig. 3.



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(No Model.) 2 Sheets—Sheet 2.

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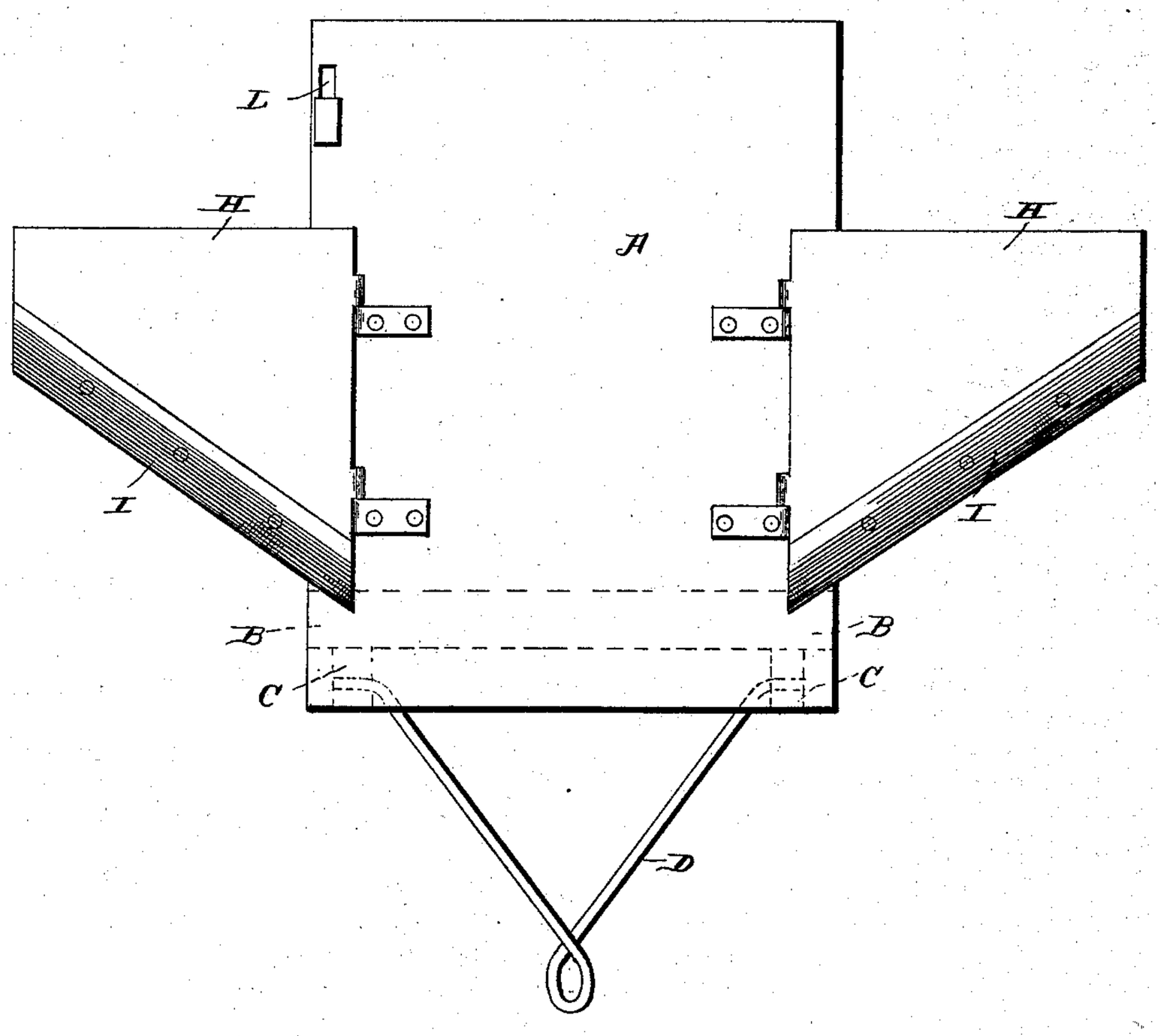
Fig. 4.



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UNITED STATES PATENT OFFICE.

BYRAN B. LEEDY, OF WEST INDEPENDENCE, OHIO.

CORN-HARVESTER.

SPECIFICATION forming part of Letters Patent No. 409,987, dated August 27, 1889.

Application filed March 21, 1889. Serial No. 304,174. (No model.)

To all whom it may concern:

Be it known that I, BYRAN B. LEEDY, a citizen of the United States, residing at West Independence, in the county of Hancock and State of Ohio, have invented new and useful Improvements in Corn-Harvesters, of which the following is a specification.

My invention relates to improvements in corn-harvesters; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of my improved device. Fig. 2 is a longitudinal vertical section of the same. Fig. 3 is a transverse vertical section showing the manner of moving the wings so as to permit the machine to pass a shock, and Fig. 4 is a plan view of the device with the wings spread.

The frame of my machine is composed of the base or platform A, the cross bars or braces B, and the longitudinal beams or bars C. The draft-bar D is secured to the front ends of the longitudinal bars C, and the supporting-wheels B are also mounted thereon. The supporting-wheels are secured to the lower ends of slotted plates F, which are arranged alongside of the beams C, and the securing-bolts G are passed through the slots therein into the said beams to secure the wheels at the desired point. By this construction the wheels can be set higher or lower, so as to permit the machine to run at a higher or lower distance above the ground, and consequently cause the knives to act on the stalks nearer to or farther from the roots, as will be readily understood. The wheels are provided with broad flat peripheries, so that the machine can travel over sandy ground without putting undue strain on the draft-animals.

On the upper side of the platform, near the side edges of the same, I hinge the wings H, the front edges of which are inclined and have the knives I secured thereto. The said knives are curved slightly upward, so that they will more easily cut the stalks as the machine is drawn along the field. On the outer side of one of the beams C, I fulcrum a bent lever J, one arm of which projects upward through a slot K in the base or platform, so as to bear against the under side of the wing when it is thrown outward. The other arm of the lever projects upward through a slot L in the platform in rear of the said wing in position to be acted upon by the foot of the operator.

In practice when it is desired to use the machine two men stand on the platform and gather the corn as it is cut by the machine and form it into shocks, the machine being drawn over the ground between the rows of corn. On the return-trip of the machine as the wing approaches a shock the rear arm of the lever J is depressed, so as to cause the front arm of the lever to rise against the wing and raise it so that the machine can pass the shock. After the shock has been passed the wing is again lowered, as will be readily understood.

My device is composed of few parts, which are compactly arranged, and its advantages are thought to be obvious.

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

1. The combination, with the platform having the slots K L, of the wings hinged to the platform and carrying the knives and the lever fulcrumed below the platform and having its front arm projecting through the slot K and bearing against the wing, and its rear arm projecting through the slot L and adapted to be actuated to elevate the front arm, and thereby raise the wing, as set forth.

2. The combination, with the platform and the wing hinged thereto, of the lever fulcrumed below the platform and bearing against the wing and adapted to raise the same, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

BYRAN B. LEEDY.

Witnesses:

ELMER NEWHOUSE,

LEVI HARBAUGH.