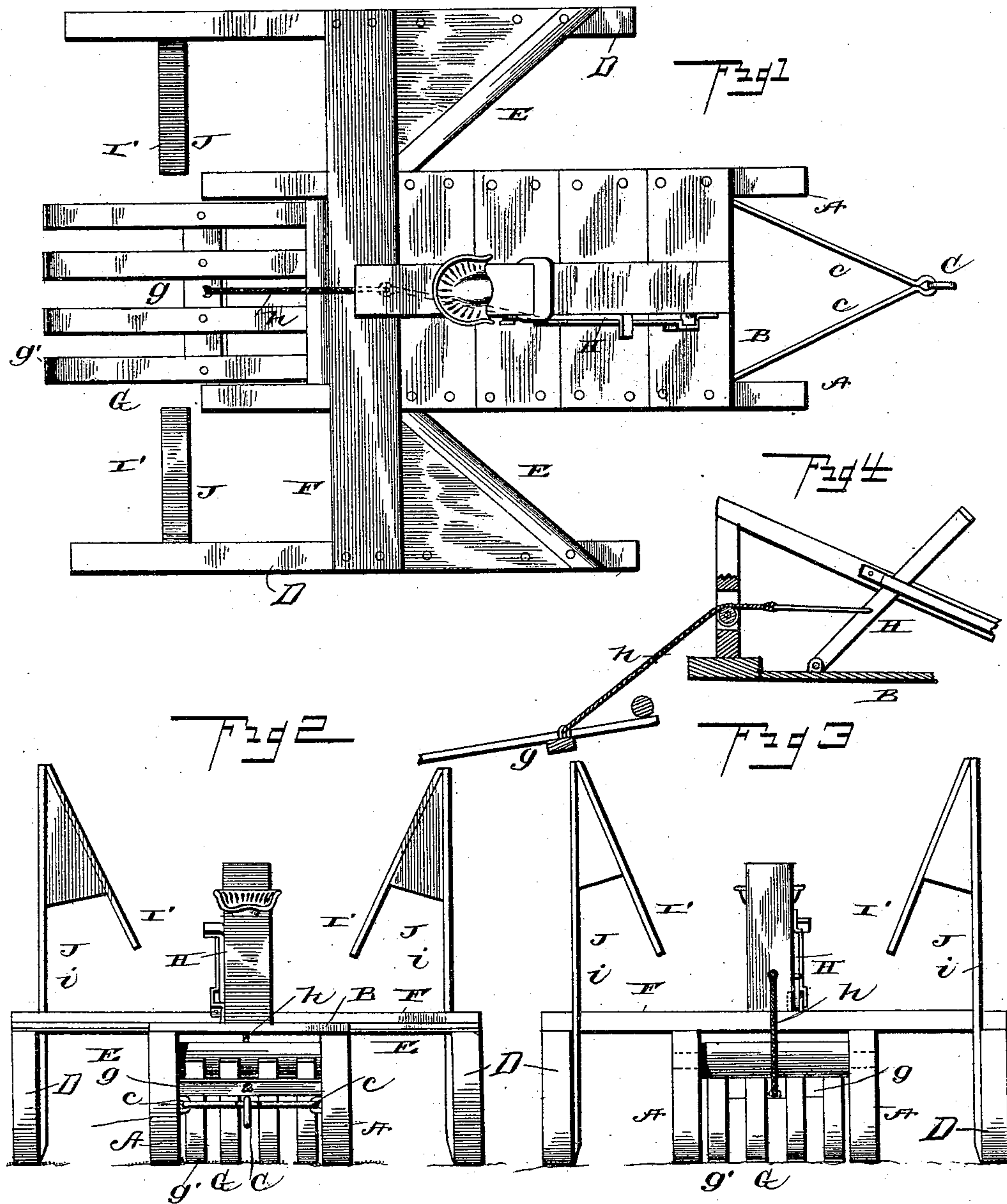


(No Model.)

C. F. STUBBLEFIELD.
CORN HARVESTER.

No. 475,223.

Patented May 17, 1892.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARNEL F. STUBBLEFIELD, OF WOOD RIVER, NEBRASKA, ASSIGNOR TO HIMSELF, ROBERT N. STUBBLEFIELD, EDWARD L. STUBBLEFIELD, AND EDWARD STUBBLEFIELD, OF SAME PLACE.

CORN-HARVESTER.

SPECIFICATION forming part of Letters Patent No. 475,223, dated May 17, 1892.

Application filed January 15, 1891. Serial No. 377,888. (No model.)

To all whom it may concern:

Be it known that I, CHARNEL F. STUBBLEFIELD, a citizen of the United States, residing at Wood River, in the county of Hall and State of Nebraska, have invented certain new and useful Improvements in Corn-Harvesters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to corn-harvesters of that class embodying obliquely-arranged knives at or near the front end adapted to cut two rows of corn at one operation, and a tilting table at the rear end, upon which the cornstalks are thrown and from which the same are dropped at desired intervals.

The object of the present invention is to provide a corn-harvester of this character which shall be simple and inexpensive in construction, easily operated, and which will, furthermore, possess advantages in point of durability and general efficiency.

In the drawings, Figure 1 is a top or plan view of a corn-harvester embodying my invention. Fig. 2 is a front end elevation. Fig. 3 is a rear end elevation. Fig. 4 is a side elevation illustrating in detail the foot-lever and connections.

Corresponding parts in the figures are denoted by the same letters of reference.

Referring to the drawings, A A designate the main runners, which are disposed longitudinally and parallel to each other and upon which is mounted at the forward end a platform B. At the forward end of the latter are two forwardly-converging rods c c, provided at the point of intersection with a ring or clevis C, a single horse being employed to operate the harvester.

D D designate two auxiliary runners located some distance outside the runners A and parallel therewith. The rear ends of the runners D extend beyond the runners A, while the front ends of the latter project beyond the former. Upon the opposing runners A and D are mounted two corresponding knives or cutters E E, which have their forward ends

secured near the front ends of the runners D, from which point they converge to points intersecting the adjacent runners A, where they are also secured. The runners A and D are connected together and held in relative location to each other by cross-beams or rods F.

Between the rear portions of the runners A is pivotally mounted a tilting table or dropper G. The latter consists of a transversely-disposed beam g at its rear end, pivoted at its ends to the opposing runners A and carrying a series of rearwardly-projecting concavo-convex fingers g', which form conjunctively a concave top surface, upon which the cornstalks are adapted to be deposited. For operating the table G, a foot-lever H is provided, which is mounted upon the platform B and connected with the table near its forward end by a chain h. In the rear of the foot-lever and suitably located in its relation thereto is an operator's seat I.

J J designate two guides designed to throw the cornstalks as they are cut upon the table. These guide devices each comprise an upright i, secured to the runners D just in rear of the knives and near the forward end of the dropper G. At the upper ends of each upright i is an obliquely and transversely arranged guide-arm I', which diverges downwardly therefrom, said arms terminating some distance above the dropper. The office of these devices will be obvious. As the cornstalks are cut the upper ends thereof strike the inner faces of the arms I' and are guided thereby in such manner as to cause the stalks to fall upon the table in a position at right angles to the harvester.

The operation and advantages of my invention will be readily understood by those skilled in the art to which it appertains.

In practice the horse and the main portion of the harvester travel between the rows of corn, while the auxiliary runners occupy a longitudinal plane to the line of advance at the farther side of the nearest row of corn at either side of the harvester. The knives or cutters are thus brought in contact with the adjacent row of corn upon either side. By reason of the oblique arrangement of the

knives the latter enter the cornstalks at an angle as the harvester advances and serve to more readily sever the same. It will be further obvious that, owing to the arrangement
5 of the knives with relation to each other or in a rearwardly-convergent plane, the cornstalks are caused to fall inward as they are cut. As the stalks fall rearwardly during the forward movement of the machine their up-
10 perends strike the inclined arms of the guides, and as the stalks fall they are thrown by the guides around in a transverse plane to the machine and in this position are deposited upon the dropper. Thus it will be seen that
15 by employing, in connection with the construction of guides shown, the inwardly-convergent knives the positive and proper engagement of the stalks with the guides is secured and the accidental falling of the stalks
20 over the sides of the machine in lieu of upon the dropper is obviated. To discharge a load from the table, pressure upon the foot-lever

is released to lower the rear end of the table when the load is thrown behind the latter. By this arrangement of the dropper the bun- 25
dles are discharged in rows at right angles to the line of advance and in convenient location for shocking.

I claim as my invention—

In a corn-harvester, the combination, with 30
a rearwardly-tilting table or dropper having its outer end inclined upwardly, of the rearwardly-convergent knives located in advance of the latter and at opposite sides thereof, and the inverted-V-shaped guides disposed in rear 35
of the knives and adapted to deflect the stalks to a position at an angle to the table, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHARNEL F. STUBBLEFIELD.

Witnesses:

B. F. PEIRCE,

C. W. MOUDER.