

No. 774,249.

PATENTED NOV. 8, 1904.

H. F. HINTON.
STALK CUTTER.

APPLICATION FILED MAR. 31, 1904.

NO MODEL.

Fig. 1.

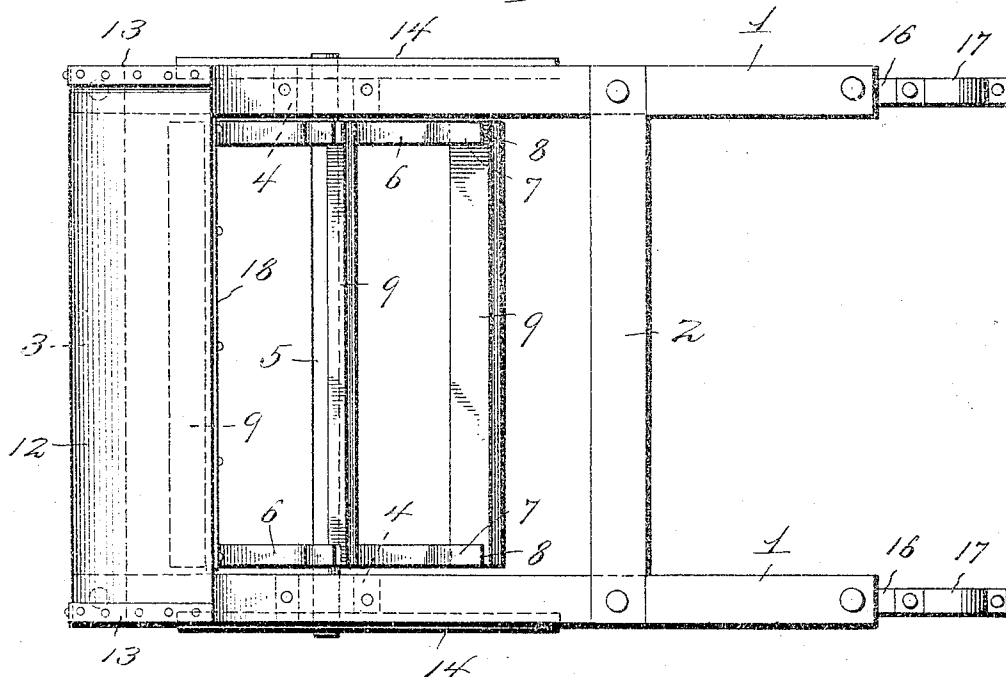
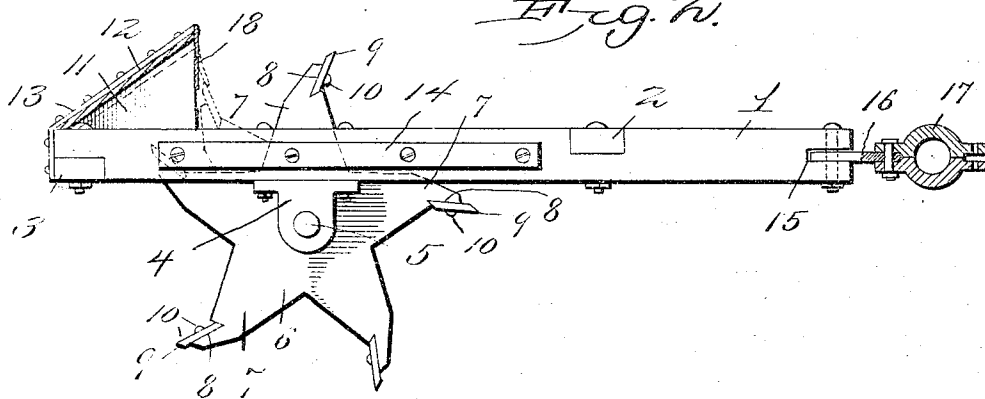


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

HORACE F. HINTON, OF TERRELL, TEXAS.

STALK-CUTTER.

SPECIFICATION forming part of Letters Patent No. 774,249, dated November 8, 1904.

Application filed March 31, 1904. Serial No. 201,000. (No model.)

To all whom it may concern:

Be it known that I, HORACE F. HINTON, a citizen of the United States, residing at Terrell, in the county of Kaufman and State of Texas, have invented a new and useful Stalk-Cutter, of which the following is a specification.

This invention relates to devices for cutting or chopping cornstalks; and it has particular reference to devices of this class which are adapted to be connected detachably with other machinery—such as, for instance, a cultivator—so that by the progress of the latter over the field the operation thereof shall be augmented by that of the stalk-cutter. The latter may also be attached to and connected with the running-gear of a wagon, or draft may be applied thereto in any suitable or convenient manner.

The object of the invention is to provide a device of the class referred to which shall possess superior advantages in point of simplicity, durability, and general efficiency; and with these and other ends in view the invention consists in the improved construction, arrangement, and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a plan view of a stalk-cutter constructed in accordance with the principles of the invention. Fig. 2 is a side elevation, partly in section.

Corresponding parts in the several figures are indicated by similar numerals of reference.

The improved stalk-cutting device which is the subject of this invention includes a frame consisting of side pieces 1 1, suitably connected by cross-pieces 2 and 3, the latter of which connects the rear ends of the side pieces, while the former is disposed at a suitable distance in rear of the front ends of said side pieces, the parts being suitably framed and bolted together. Between the cross-pieces 2 and 3 the side pieces 1 1 are provided with journal-boxes 4, bolted or otherwise suitably secured to the under sides thereof and affording bearings for a shaft 5, carrying the cutting or chopping device. The latter, which

may be described as the "chopping-cylinder," is composed of heads or end pieces 6 6, each having a plurality of divergent or radially-extending arms 7, having seats 8 for the blades or cutters 9, which consist of flat blades of suitable length, having sharp edges and connected at their ends with the arms 7 by means of bolts, screws, or other suitable fastening means, as indicated at 10. It will be seen that when the heads 6 6 are thus connected by the blades a compact and solid structure is provided, which is in the nature of an open cage or frame having a plurality of cutters, said device being mounted for rotation by the shaft 5, having its bearings in the boxes 4.

Supported upon the rear ends of the side pieces 1 1 are triangular blocks 11, supporting an inclined board 12, constituting a hood or deflector which will serve to shed material carried around by the blades of the chopping-cylinder. Iron straps 13 are secured upon the ends of the hood to prevent warping of the material of which it is constructed.

To the outer sides of the side pieces 1 1 are secured a pair of wear-straps 14 for the purpose of taking up wear which might be caused during the operation of turning by the wheeled machine or device with which the stalk-cutter is connected for operation.

The means for operatively connecting the improved stalk-cutter with the cultivator or some other implement is located at the front ends of the side pieces 1 1, the latter being provided with horizontal slots 15 for the reception of lap-links 16, which are flexibly connected with journal-boxes 17, adapted to be clamped upon the axle of the cultivator or other implement with which the device is to be connected. This, it will be seen, constitutes an extremely simple connecting device, which is of such a nature as to enable the frame of the stalk-cutter to rise and fall, as may be necessitated by unevenness in the surface of the land, while at the same time a limited lateral swaying movement will be permissible, which overcomes any objectionable stiffness in the movement of the device when in operation.

The improved stalk-cutter of my invention,

as will be seen from the foregoing description, is extremely simple, inexpensive, and convenient.

The hood formed by the supporting-block 5 11 and the deflecting-board 12 is provided at the front edge of the latter with a depending resilient flange 18, which by direct engagement with the blades of the revolving cutter will clear the latter of any adhering substances, which will thus be compelled to pass 10 under the hood and into the ground.

Having thus described my invention, I claim—

A stalk-cutting device consisting of a frame, 15 a stalk-cutting cylinder mounted for rotation

in said frame, inclined supporting-blocks mounted upon the rear ends of the side pieces of said frame, an inclined deflecting-board supported upon said blocks, and a resilient flange depending from the front edge of said 20 deflecting-board and cooperating with the cutter to clean the blades of the latter.

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

HORACE F. HINTON.

Witnesses:

HY R. LAURENCE,
R. LAURENCE.