

D. URIE.
Stalk-Cutter.

No. 214,971.

Patented April 29, 1879.

Fig. 1.

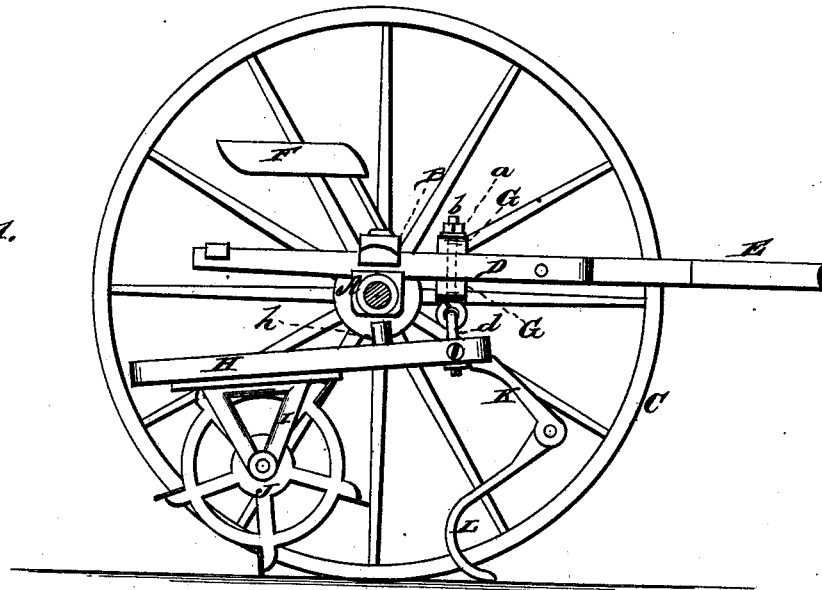
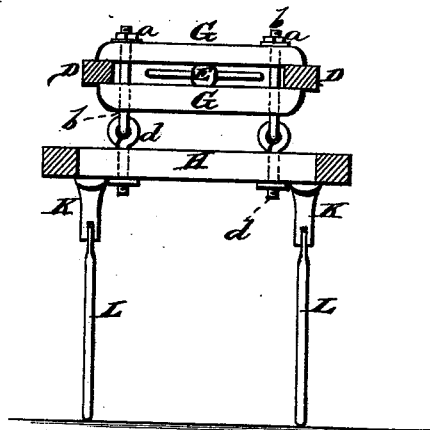


Fig. 2.



WITNESSES
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IMPROVEMENT IN STALK-CUTTERS.

Specification forming part of Letters Patent No. **214,971**, dated April 29, 1879; application filed August 31, 1878.

To all whom it may concern:

Be it known that I, DAVID URIE, of Warrensburg, in the county of Johnson and State of Missouri, have invented a new and valuable Improvement in Stalk-Cutters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my stalk-cutter, and Fig. 2 is a vertical central sectional view of the same.

My invention relates to improvements in stalk-choppers; and it consists in combining a frame and cutting-cylinder with the front portion of the running-gear of an ordinary wagon by means of clamps and bolts, whereby the cutter-frame is hinged to the wagon and the tongue is made rigid, as will be hereinafter fully described, and particularly pointed out in the claim.

The annexed drawings, to which reference is made, fully illustrate my invention.

A represents the front axle, with sand-board B, wheels C C, hounds D D, and tongue E, of an ordinary farm-wagon, to which I attach the stalk-cutter by clamps. F is the seat for the driver, the stem or support of which passes through the hole in the sand-board and axle for the king-bolt. G G are clamps, connected by bolts *b b* and nuts *a a*, and used in connecting the cutter to the front hounds and tongue of the wagon, making a drop or limber tongue perfectly stiff and rigid. H represents the wooden frame of the stalk-cutter, connected at its front end by eyebolts *d* with the clamp-bolts *b*, in such a manner that the frame shall have a free up-and-down motion at its rear. To the frame H are secured suitable brackets or bearings I I, in which the cutting-cylinder J is hung. This cylinder may be of any suitable construction, such as are commonly used for the purpose. At the front end of the frame H are secured rigid arms K K, in the ends

of which are pivoted the hooks L L, to gather in the stalks that lie crosswise.

In stalk-cutters using this class of cylinders a running-gear has heretofore had to be constructed, consisting of an extra frame, wheels, and tongue. My invention obviates so much of the expense.

A portion of an ordinary farm-wagon is utilized in helping to construct the stalk-cutter, enabling the farmer to dispense with the expense of first procuring and afterward taking care of an extra lot of machinery.

I am aware that stalk-cutters have been connected to the fore part of the running-gear of a wagon by means of a short tongue fastened to the frame of the stalk-cutter and connected by the king-bolt, like an ordinary coupling-pole of a wagon. This permits the cutter to rock from side to side, thereby leaving part of its work undone.

By my invention of attaching the cutter by means of clamps, this difficulty is entirely obviated. The hinges, passing from the cutter-frame through the clamps on either side of the hounds and tongue, form a coupling so rigid in its nature as to preclude the possibility of its rocking from side to side, as it would do when coupled from the center.

The invention is simple, practical, durable, and cheap.

What I claim as new, and desire to secure by Letters Patent, is—

In combination with the frame H and cutting-cylinder J, and with the front portion of the running-gear of an ordinary wagon, the clamps G G and bolts *b b* and *d d*, whereby the cutter-frame is hinged to the wagon and the tongue is made rigid, substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in presence of two witnesses.

DAVID URIE.

Witnesses:

W. T. HARRIS,
O. D. HAWKINS.