(No Model.)

J. N. PERVIER.

STALK CUTTER.

No. 249,083. Patented Nov. 1, 1881.

Fig. 3.

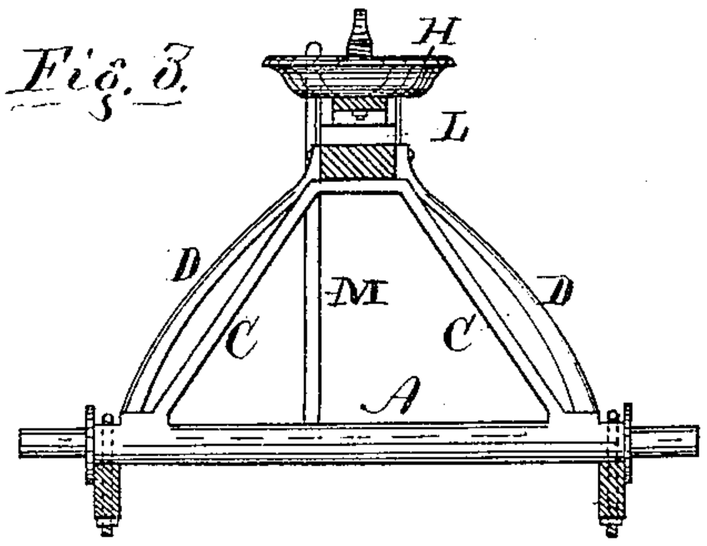


Fig. 2.

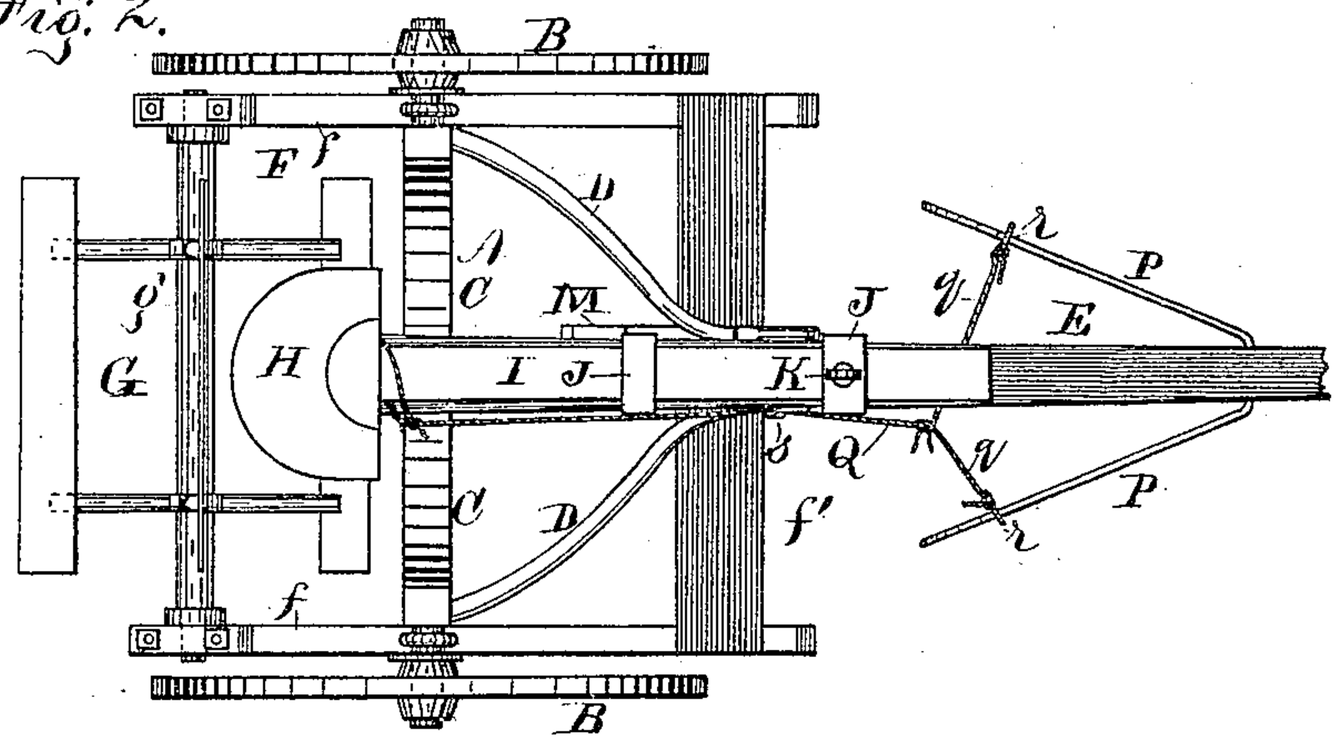
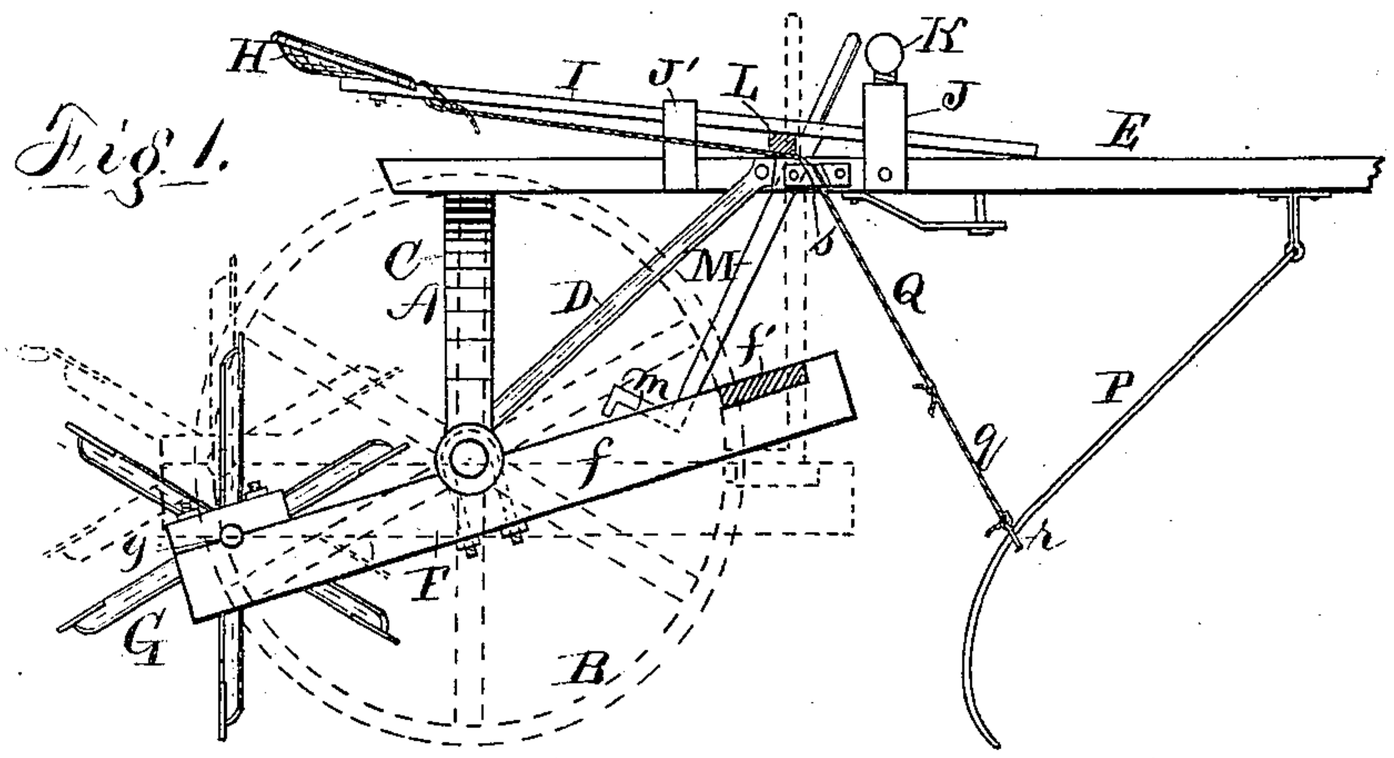


Fig. 1.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH N. PERVIER, OF BUDA, ILLINOIS, ASSIGNOR OF TWO-THIRDS TO ABEL H. GUNN AND PETER M. PICKARD, OF SAME PLACE.

STALK-CUTTER.

SPECIFICATION forming part of Letters Patent No. 249,083, dated November 1, 1881.

Application filed July 6, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH N. PERVIER, a citizen of the United States, residing at Buda, in the county of Bureau and State of Illinois, have invented certain new and useful Improvements in Stalk-Cutters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a side elevation of a stalk-cutter embodying my invention, the near wheel shown removed and the distant wheel in dotted lines. Fig. 2 is a top plan. Fig. 3 is a rear elevation of the axle and frame.

This invention relates to improvements in machines for cutting or chopping cornstalks in the field into short lengths preparatory to plowing them under; and it consists in construction and combination hereinafter described, and set forth in the claims hereto annexed.

Referring to the drawings by letters, letter A represents an axle, supported on wheels B. A frame composed of two bars, C, and two braces, D, connected at their lower ends to the axle, as shown at Figs. 1 and 3, support a draft-pole, E, on their upper ends.

F is a frame composed of bars *f*, connected at their front ends by a bar, *f'*. The bars *f* are hinged or journaled somewhat in rear of their mid-lengths, one to each end of the axle A.

G is an ordinary cylinder of cutters, with a central shaft, *g*, the ends of which are journaled in the rear ends of the bars *f*.

H is the driver's seat, supported on the rear end of a spring-bar, I. The front end of the bar I passes beneath a stirrup, J, and is held by a set-screw, K. Back of the stirrup J the bar I rests on a block, L, which holds its rear end in an elevated position. A stirrup, J', prevents lateral movement of the rear end of the bar I.

The bar I may be adjusted to locate the seat forward or rearward on the draft-pole, whereby it may be adjusted to counterbalance the weight of the forward end of the draft-pole when the machine is at work in the field, and further adjusted to counterbalance it when the lever M is adjusted to hold the cylinder of cutters above the ground for local transportation.

M is a lever pivoted to the side of the draft-pole, and its lower end provided with a foot-piece, *m*. The upper end of the lever M extends above the draft-pole.

P P are ordinary gathering-hooks. Q is a cord having two branches, *q*, at its forward end, each with a ring, *r*, through which a hook, P, is passed. The cord Q passes through an eye, *s*, and may be attached at its rear end to the draft-pole near the driver's seat, so that he can use it, in the evident manner, to raise and lower the gathering-hooks, as desired.

In operation the lever M may be thrown back at its lower end, as shown by full lines at Fig. 1, to allow the cylinder of cutters to come to the ground and to operate by the forward movement of the draft-animals; and it will be seen that the vibrating frame F will prevent the jar and jolting of the cutters from affecting the draft-pole and driver's seat. By pressing with his feet on the bar *f'* the driver may raise the cylinder of cutters clear above the ground, and when so raised he may turn the lever M back to the position shown by dotted lines at Fig. 1, and retain the cutters in such elevated position for any required or desired purpose.

I do not claim, broadly, the frame which carries the cylinder of cutters when pivoted at its end to the axle, nor the same frame pivoted to a frame near the axle; but

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

1. In combination with the axle, frame, and wheels supporting the draft-pole, and with the driver's seat mounted on the draft-pole, the

frame F, having its center of motion on the axle and having the cylinder of cutters journaled at its rear end, and its forward end provided with a foot-board, *f'*, located within reach of the driver's feet, substantially as and for the purpose specified.

2. In combination with the axle, frame, and wheels supporting the draft-pole, frame F, provided with a cylinder of cutters at its rear end and centrally hinged to the axle, as described, and the adjustable driver's seat, substantially as and for the purpose specified.

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

JOSEPH N. PERVIER.

Witnesses:

ISAAC D. PAGE,

WILLIAM H. ROBERTSON.