

A. Park, Straw Cutter.

No. 112,484.

Patented Mar. 7. 1871.

Fig 1.

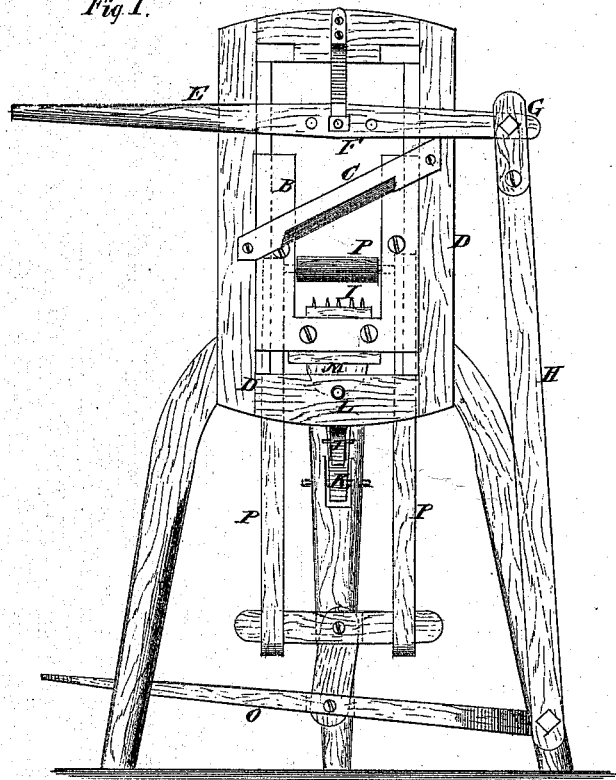
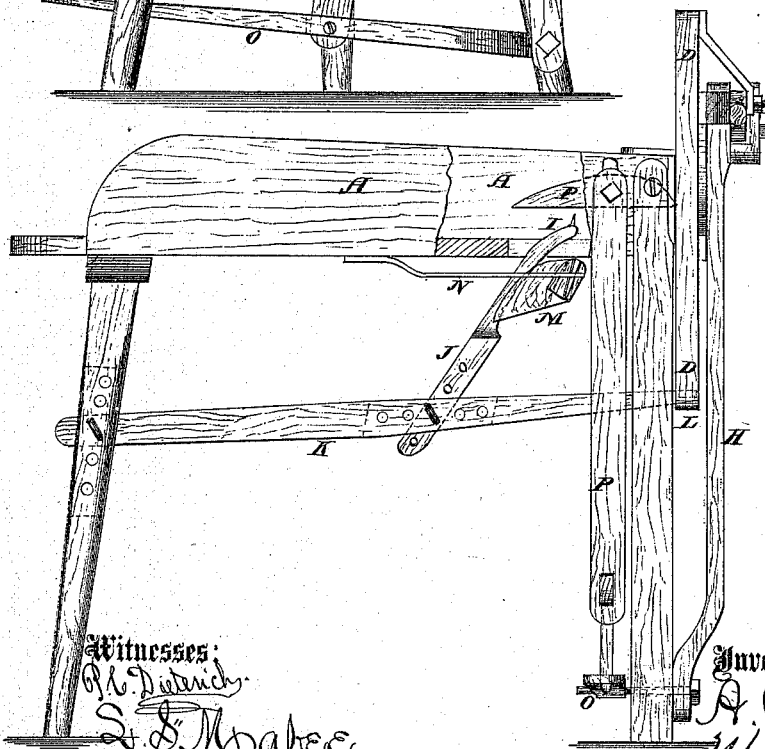


Fig 2.



Witnesses:

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AMON PARK, OF GERMANVILLE, IOWA.

Letters Patent No. 112,484, dated March 7, 1871.

IMPROVEMENT IN STRAW-CUTTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, AMON PARK, of Germanville, in the county of Jefferson and State of Iowa, have invented a new and useful Improvement in Straw-Cutters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new arrangement, in hay and straw-cutters, of a feeding-hand or lever, in connection with other operating parts, as will be hereinafter described and as specified in the claim.

In the accompanying drawing—

Figure 1 represents a front end view of my improved straw-cutter;

Figure 2 is a side view.

Similar letters of reference indicate corresponding parts.

A represents the straw-cutter box. On the front or cutting end of the box a steel frame B is placed and fastened by screws, as seen in the drawing.

The knife C works on the face of this frame, and is obliquely attached to a sash, D. This sash is made of wood or other suitable material, and is confined and guided by the vertical sides of the steel frame B.

The knife C is so attached to the sash that it may be adjusted to the face of the steel frame so as to always make a clean cut.

E is the working lever, by means of which the sash is operated. The lever is attached to the sash by means of a cross-piece through which is the working-bolt or pin F.

The fulcrum of the lever is at the point G, on the stand H, where it is made adjustable. The lever is

also adjustable on the pin F, as indicated in the drawing.

I is the feeding-hand, which passes up obliquely through the bottom of the box. The stem J of this feeding-hand is adjustably connected with the horizontal bar K, the forward end of which bar is connected with the sash D, as seen at L.

It will be seen that the upward motion of the sash will throw the hand forward and give the feed, and that the amount of feed or length of the straw cut will be controlled by the position of the stem J on the horizontal bar K, the latter of which is slotted to receive the stem, where it is fastened by a pin.

M is a flexible bed beneath the bottom of the box, for guiding the feeding-hand in its motion up and down.

The bed is supported by springs N, one on each side of the hand.

O is a treadle connected to the vertical frame P, by means of which the straw or other material to be cut is pressed down and made compact near the mouth of the box, in the usual manner.

It will be seen that the feed is automatic, and may be changed to cut long or short, as may be desired.

Having thus described my invention,

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

The described arrangement of the feeding-hand J, spring-bed M, bar K, and reciprocating sash D, said hand and bar being adjustable for the purpose of varying their throw or movement, substantially as herein shown and described.

Witnesses:

JOHN MANNHARDT,
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AMON PARK.