

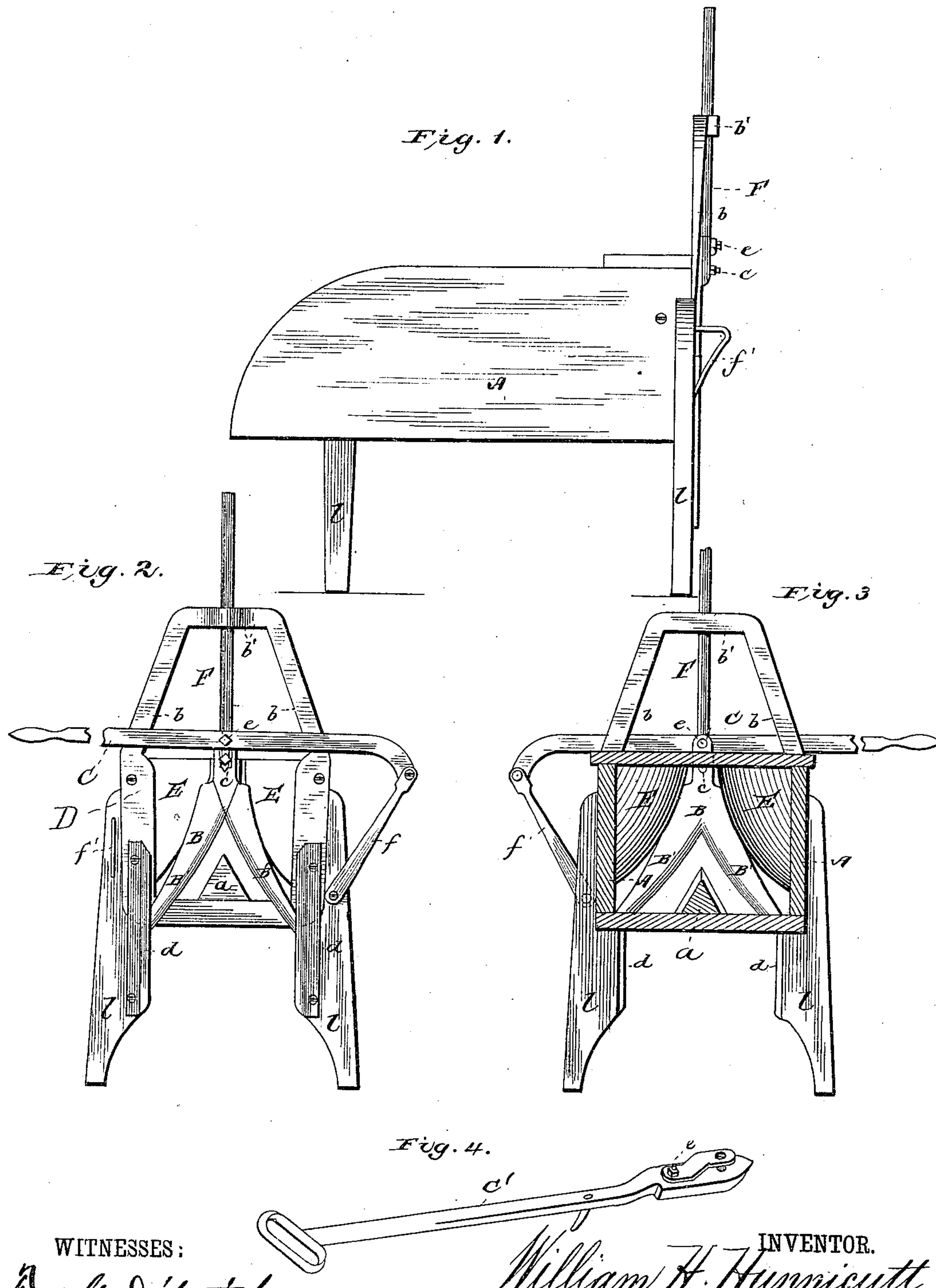
(No Model.)

W. H. HUNNICUTT.

FEED CUTTER.

No. 270,435.

Patented Jan. 9, 1883.



WITNESSES:

*Ad. G. Dietrich*  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. HUNNICUTT, OF WEST LIBERTY, ASSIGNOR TO JOHN MILO PATTERSON, OF WINDFALL, INDIANA.

## FEED-CUTTER.

SPECIFICATION forming part of Letters Patent No. 270,435, dated January 9, 1883.

Application filed June 5, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. HUNNICUTT, of West Liberty, in the county of Howard and State of Indiana, have invented certain new and useful Improvements in Hay-Knives and Feed-Cutters; 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, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of my improved feed-cutter. Fig. 2 is an end view of the same. Fig. 3 is a vertical transverse section through the front part of the same, and Fig. 4 is a perspective view of a handle for the knife.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to that class of feed-cutters in which the bifurcated reciprocating cutter is mounted upon a rod or bar sliding in bearings and operated by a handle pivoted upon the bar; and it consists in the improved construction of the metallic frame inclosing the front of the box, said frame being made in one piece, and forming bearings for the cutter-bar, as hereinafter more fully described and claimed.

In the accompanying drawings the letter A indicates the box of the usual construction supported by legs *l*.

*a* is a block triangular in section, and tapering toward the rear of the machine, which is fastened in the middle of the bottom of the box, extending from the front a short distance into the box.

E E are two rounded and beveled blocks, fastened in the upper corners of the front of the box, increasing in thickness toward the front, and serve, in conjunction with the tapering ridge or block *a*, to compress the feed as it is fed toward the knife.

D is a metal frame, which incloses the front part of the box, and extends above the box at *b b*, forming a bearing, *b'*, for the guide-rod F of the knife.

*d d* are guides fastened to the sides of the frame D and the front legs, *l*, in which the points of the bifurcated knife slide.

The frame D serves three different purposes, viz: in strengthening the front part of the box where the feed is compressed and the greatest

strain is; in serving as guide for the knife and guide-bar, and in forming a surface upon which the knife slides, protecting the ridge *a* and the blocks E E, which are preferably made of wood, and the whole front of the box from wear.

B is the knife, which is bifurcated, forming two divergent blades, B' B', the inner curved edges of which are sharpened, giving the blades a sliding cut. The ends of the blades slide in the guides *d d*, and the upper part of the knife is fastened by bolts *c* and *e* to the guide-rod F.

C is the handle by which the knife is operated, it being connected to the knife by the bolt *e*. The handle is hinged to an arm, *f*, which is hinged at its other end to the box, and a projection, *f'*, serves to support the handle and prevent its going too far down.

In Fig. 4 is shown a handle, C', which may be fastened to the knife B when the latter is removed from the cutter, forming a knife for cutting hay or straw out of the stack or mow, and for other like purposes.

I am aware that straw-cutters have been made with a bifurcated reciprocating cutter operated by a handle pivoted to the same and guided by a downward-projecting rod sliding in bearings, and I do not claim that as my invention; but

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The feed-cutter box A, having triangular tapering ridge *a*, and rounded beveled triangular blocks E E, and provided with the metal frame D, having knife-guides *d d*, and forming bearing *b'* for the guide-bar F, substantially as and for the purpose shown and set forth.

2. In a feed-cutter, the combination of the box A, having triangular tapering ridge *a*, beveled rounded blocks E E, and frame D, with the reciprocating bifurcated knife B, sliding in guides *d*, and having guide-bar F and handle C, substantially as and for the purpose shown and set forth.

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

WILLIAM H. HUNNICUTT.

Witnesses:

DAVID BAILEY,  
LOWE LEWELLYN.