

L. B. Hyatt

Straw Cutter

Nº 91,939.

Patented Jan. 29, 1869.

Fig. 1.

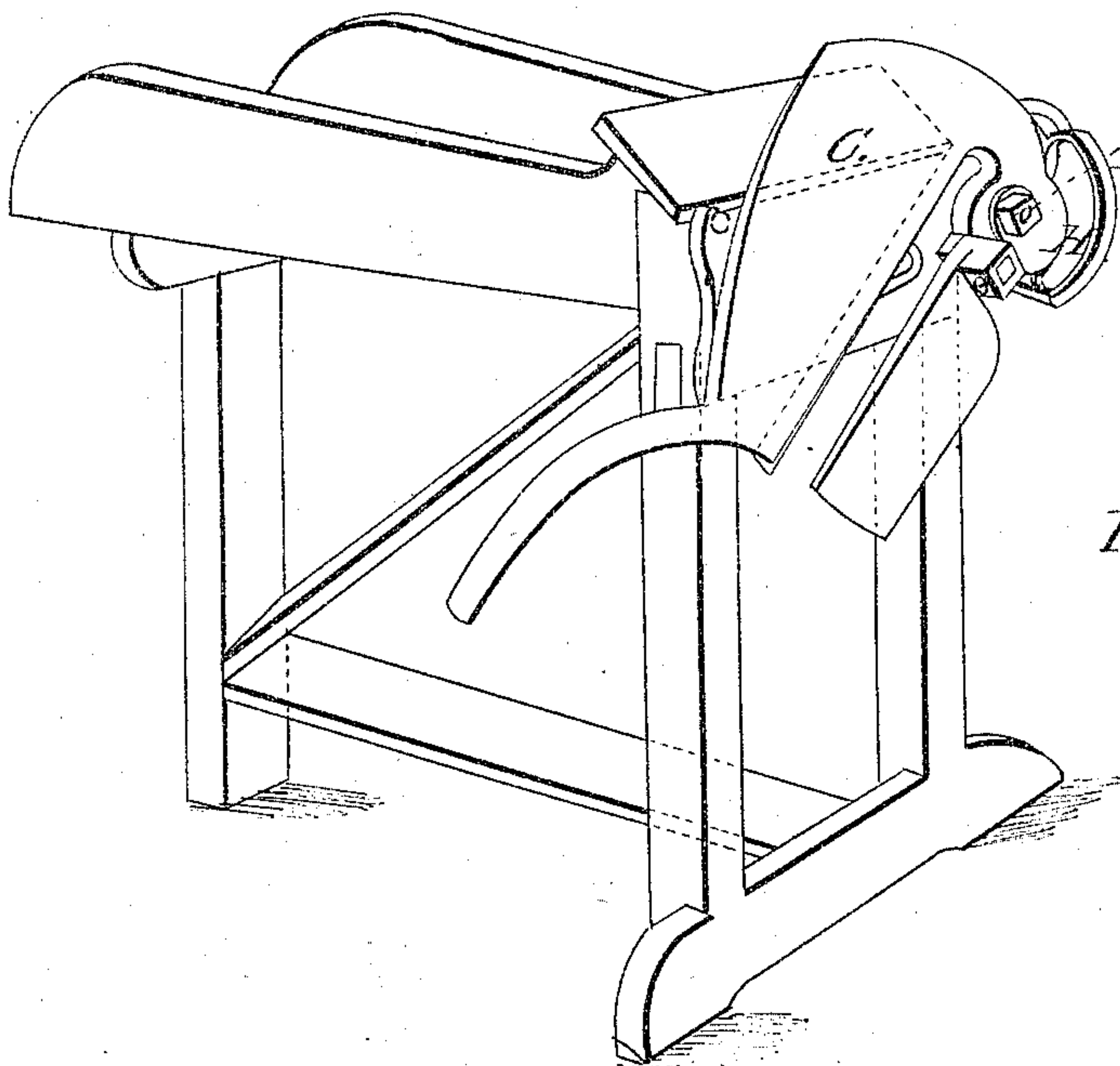


Fig 2.

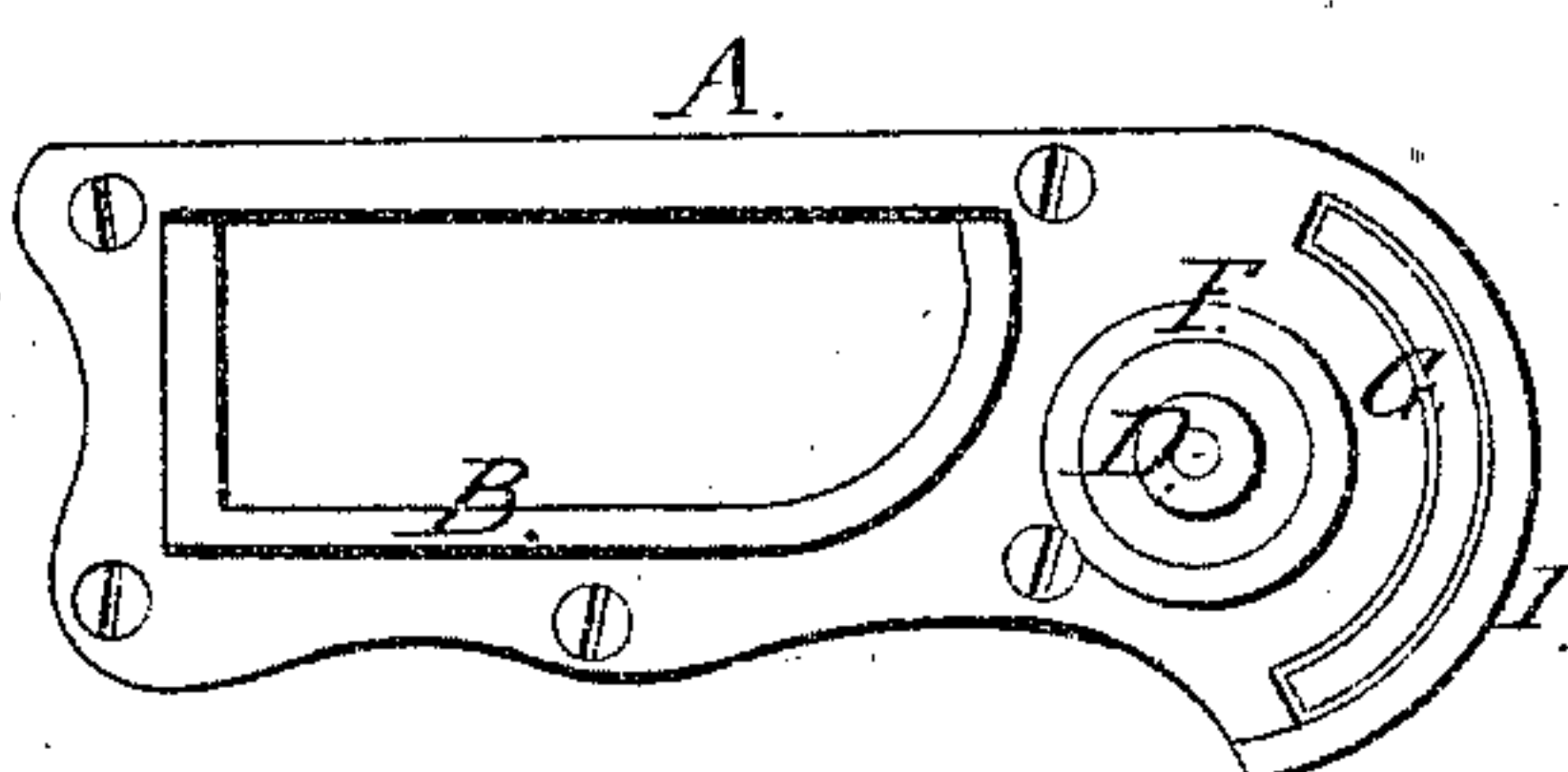


Fig 3.



Witnesses:

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J. H. T. Brook

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PER

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L. B. HYATT, OF FLEMINGTON, PENNSYLVANIA.

Letters Patent No. 91,939, dated June 29, 1869.

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, L. B. HYATT, of Flemington, in the county of Clinton, and State of Pennsylvania, 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 improvements in the construction of straw-cutters, the object of which is to provide a more durable pivot-point for the hand-vibrating cutter-lever; also to prevent lateral play of the said lever on the point, all as hereinafter more fully specified.

Figure 1 represents a perspective view of a cutter, constructed according to my improvements, and

Figures 2 and 3 represent detail views of the same.

Similar letters of reference indicate corresponding parts.

A represents a metallic plate for the end of the box, having an opening through it, for the passage of the straw, on the bottom wall, B, of which the vibrating cutter acts to cut the straw.

This plate has a projection at one end, for supporting the axial bolt of the vibrating cutter-arm C.

My invention consists in casting a hollow stud, D, on this plate for the axis of the said lever, whereby the wearing-surface may be large and hard, and a small bolt may be passed through for holding the lever thereon by a washer and nut, as shown at E.

To prevent lateral vibration of the cutter-arm, I provide, also, by casting an annular collar, F, around the said stud; also a circular spring-bearing, G, in a curved slot near the end of the plate A, and a projection, H, on the lever, beyond the axis.

The bearing G is made yielding, by rubber springs interposed in the slot behind it; and to prevent the said bearing from falling out, I form a curved flange, I, at the end of the said plate.

This arrangement provides a much more durable machine, and confines the knife with a strong pressure against the margin of the opening through the plate A, but capable of yielding to some extent, and thereby preventing too great friction between the two.

Having thus described my invention,

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

1. The plate A, provided with the hollow axial-pin D, annular collar F, and yielding-guide G, substantially as specified.

2. The cutter-arm C, provided with the projection H, and combined with the plate A, when the latter is arranged substantially as specified.

3. The combination, with the vibrating cutter-arm, of a yielding bearing, G, substantially as specified.

L. B. HYATT.

Witnesses:

HUGH DEVLING,
J. W. DEVLING.