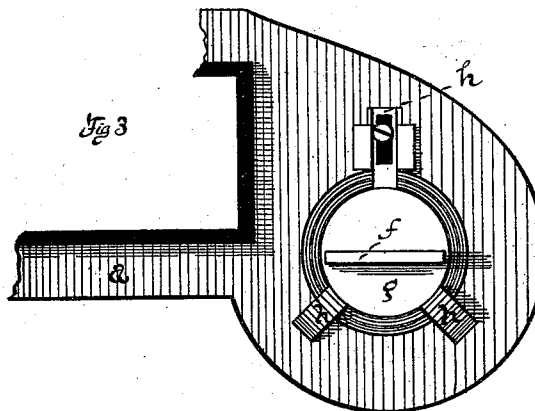
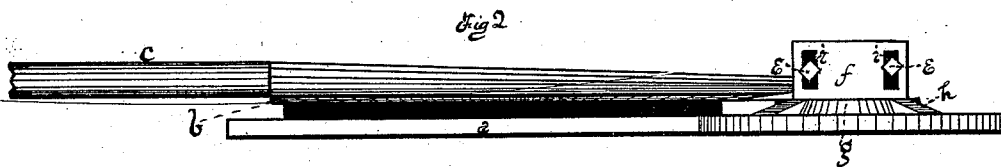
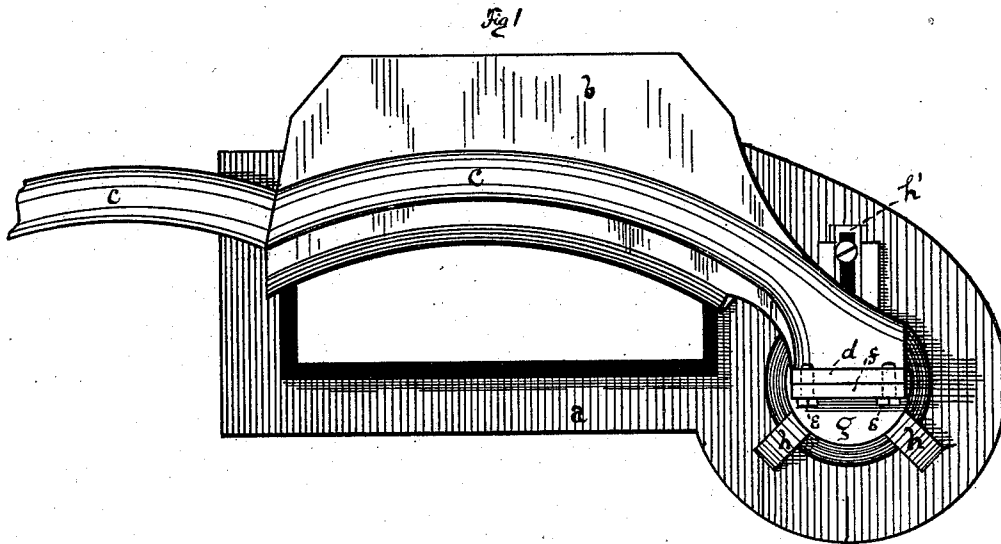


G. M. CLARK.
HAY-CUTTER.

No. 174,482.

Patented March 7, 1876.



WITNESSES

Robt. F. Gaylord
George C. Sill

INVENTOR

Geo. M. Clark
By W. E. Simmonds
Att'y.

UNITED STATES PATENT OFFICE.

GEORGE M. CLARK, OF HIGGANUM, CONNECTICUT.

IMPROVEMENT IN HAY-CUTTERS.

Specification forming part of Letters Patent No. **174,482**, dated March 7, 1876; application filed February 3, 1876.

To all whom it may concern:

Be it known that I, GEORGE M. CLARK, of Higganum, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements pertaining to a Lever Hay-Cutter, of which the following is a specification, reference being had to the accompanying drawings, where—

Figure 1 is a front view with the body of the cutter omitted. Fig. 2 is a bottom view. Fig. 3 is a front view with the lever removed.

My improvements are applied to the common lever-cutter; and they consist in securing the cutter-lever to the facing of the feed-box by means of a removable rotating conical bearing, as hereinafter specified.

The letter *a* denotes the metallic facing of the feed-box; *b*, the knife; *c*, the lever bearing the knife, and also the horizontal leaf *d*, lying on and attached, by bolts *e e*, to horizontal leaf *f*, which is fast on disk *g*. This disk *g* is the frustum of a cone, and I shall herein refer to it as frusto-conical. It lies

against the facing *a*, and is held thereto by the two stationary fingers *h h* and the adjustable finger *h'*. This disk forms the pivot for the vibrations of the lever *c*.

In lever-cutters it is desirable that the knife should bear against the throat of the facing *a* with increased pressure at the side of the throat farthest removed from the pivot of the lever, and in use this pressure needs to be increased by readjustment from time to time. In this mechanism I attain such adjustment by having the bolts *e e* run through slots *i i* in the leaf *f*, which makes the two leaves *d f* adjustable one upon the other.

I claim as my invention—

The combination of the frusto-conical disk *g*, facing *a*, stationary fingers *h h*, and adjustable finger *h'*, all substantially as described.

GEORGE M. CLARK.

Witnesses:

ALLEN W. PAGE,
HENRY SMALL.