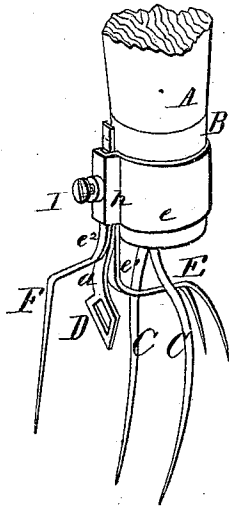


D. ARNOLD.

Band-Cutting Forks.

No. 133,396.

Patented Nov. 26, 1872.



Witnesses.

George E. Upham,
A. D. Lane,

Inventor

David Arnold,
Chipman Fosmire,
Attys

UNITED STATES PATENT OFFICE.

DAVID ARNOLD, OF CLYDE, OHIO.

IMPROVEMENT IN BAND-CUTTING FORKS.

Specification forming part of Letters Patent No. **133,396**, dated November 26, 1872.

To all whom it may concern:

Be it known that I, DAVID ARNOLD, of Clyde, in the county of Huron and State of Ohio, have invented a new and valuable Improvement in Band-Cutting Forks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

The figure of the drawing is a representation of a perspective view of my invention.

This invention has relation to certain improvements in the band-cutting fork for which Letters Patent of the United States were granted to me April 23, 1872; and the novelty consists in the construction and arrangement of the band-holding fork, the tines of which lie behind the main fork; and also in the construction and arrangement of an additional tine or guard, lying in front of said main fork, all substantially as hereinafter more fully described.

A in the drawing represents the handle, B the ferrule, and C C the prongs, of a pitch-fork. D is a V-shaped knife, whose shank *a* passes through an ear, *h*, that projects from the ferrule, or from the band *e* encircling it. In the same ear is also held the shank *e'* of a small two-pronged fork, E, which shank is bent and extended back between the prongs C, and behind them terminates in two short prongs. F represents a single tine or prong, which de-

pends in front of the knife D, and has its shank *e''* bent and extended back; and thence upward through the ear *h*, where, together with the shanks *a e'*, it is secured by means of a set-screw, I.

When a fork made substantially as described—that is to say, provided with the parts C D E F—is applied to a sheaf in a position to bring the knife at right angles across the band wherewith such sheaf is tied, the knife will, after the prongs C have entered the sheaf some distance, commence to cut the band. The fork E and tine F will, at the same time, enter the band, respectively, above and below the cutter, thus holding the sheaf in a proper position, and preventing the scattering of the grain.

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

1. In a band-cutting fork, having the prongs C C, the band-holding fork E and knife D, having their shanks fitted together into the socket *h*, and secured by set-screw I, substantially as specified.

2. The tine F, in combination with the prongs C, knife D, and fork E, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

DAVID ARNOLD.

Witnesses:

PHILIP N. SCHUYLER,
EBENEZER O. MERRY.