W. W. McFaddin,

Hay Fork.

No. 109,032. Patented. Nov 8. 1870.

Fig. 1.

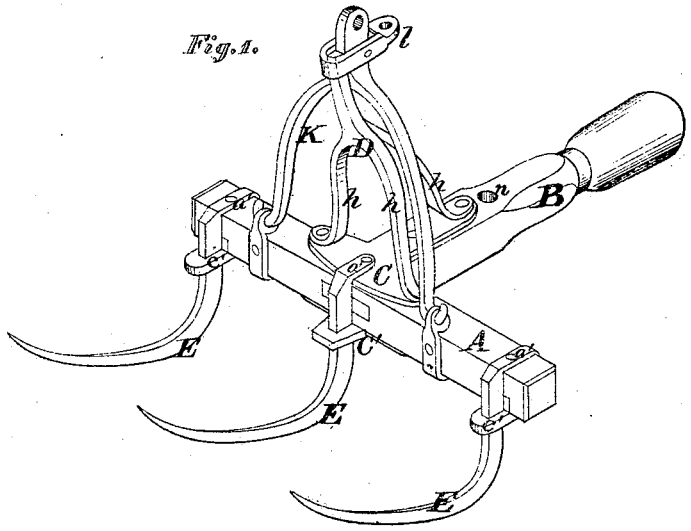
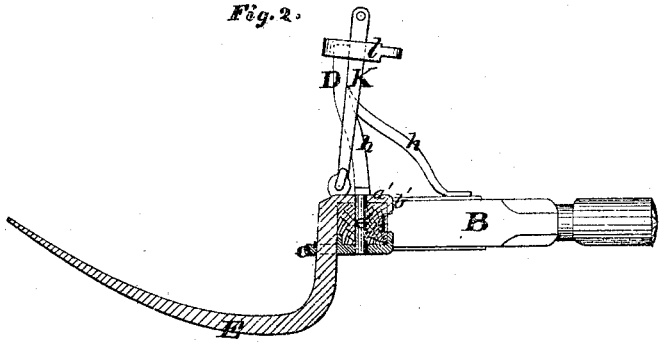


Fig. 2.



Witnesses
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WILLIAM W. McFADDIN, OF ENNISVILLE, PENNSYLVANIA.

Letters Patent No. 109,032, dated November 8, 1870.

IMPROVEMENT IN HORSE HAY-FORKS.

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, WILLIAM W. McFADDIN, of Ennisville, in the county of Huntingdon and State of Pennsylvania, have invented a new and valuable Improvement in Hay-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.

Figure 1 of the drawing is a perspective view of my invention.

Figure 2 is a longitudinal section through the end prong.

My invention relates to an improvement in the mode of constructing hay-forks; and

It consists in the manner of securing the prongs to the wooden cross-head, whereby lightness and strength are secured.

The letter A of the drawing represents the wooden cross-head, to which is attached the handle B. The cross-head is usually of a rectangular form.

C represents a plate attached partly to the cross-head and partly to the handle.

It serves to support the catch D and to strengthen the joint.

A similar plate, C′, is attached under the joint.

E E represent the tines of the hay-fork.

The heel of each tine is flattened to form a plate, *a′*, which is bent backward at right angles with the rear portion of the tine, and is designed to lie on the upper side of the cross-head.

At the rear end of the plate *a′* is a short flanch, *b′*, which extends downward on the rear side of the cross-head, and serves to clamp the tine thereto, and prevents lateral movement.

c′ c′ represent metal loops secured to the under surface of the cross-head and projecting forward therefrom in such a manner as to embrace each tine.

The loop *c′* is secured to the clamp *a′* by the bolt *e′*, which passes through the cross-head.

In the drawing the central tine is represented as passing through a loop formed on the plate C′ and as secured to the upper plate C.

The catch D is supported upon three bearing-standards, *h h*, which are somewhat spread in order to give the catch sufficient strength, and to keep it from being thrown out of position.

K represents the metal arc or bail which supports the hay-fork.

Pivoted to the upper part of this is the catch-loop *l*, which is operated by means of a small rope passing through the perforation *n* in the handle of the hay-fork.

My invention is designed to constitute a strong, light, and durable implement. The mode of construction is such as to give all the strength of a fork made entirely of metal, without its weight. It is also less expensive on account of the saving in metal, accomplished by the use of the wooden cross-head and handle.

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

The tine E, when constructed as described, to clasp the cross-head at its front, top, and rear, and to pass through the loop *c′* of the bottom plate, said tine and plate being connected by one bolt only, in conjunction with said loop, substantially as specified.

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

Witnesses: WILLIAM W. McFADDIN.

WM. L. DUFF,

M. MILLER.