

M. S. HOLMAN & C. S. FARRER.

REVOLVING HORSE-HAY RAKES

118130

PATENTED AUG 15 1871

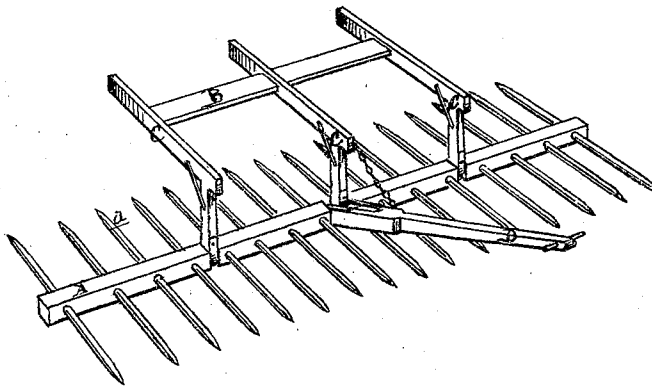


Fig. 1.

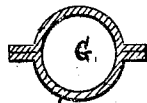
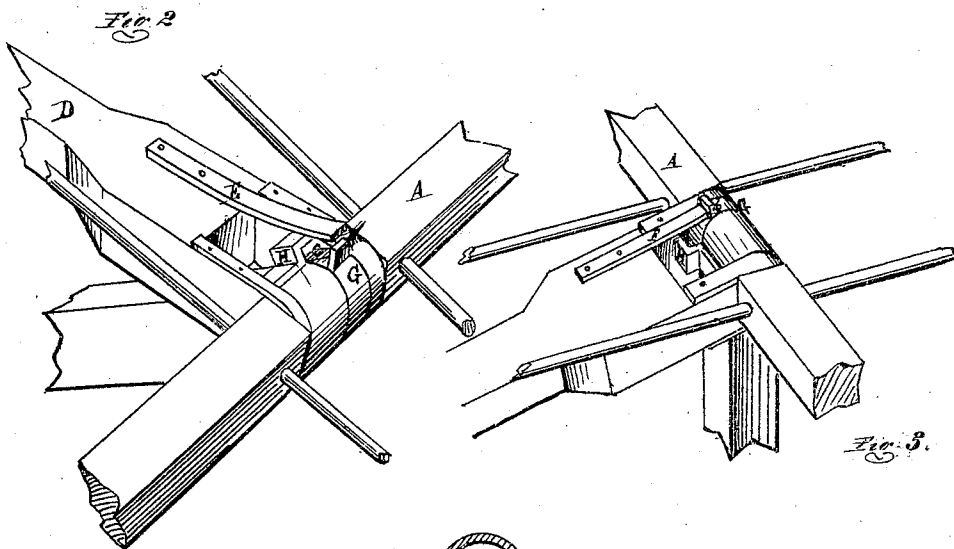


Fig. 4.

ATTEST:

H. F. Church
Notary at Church

INVENTORS:

M. S. Holman
and
C. S. Farrer.
per Attorney

UNITED STATES PATENT OFFICE.

MIRON S. HOLMAN AND CYRUS S. FARRAR, OF ARMADA, MICHIGAN.

IMPROVEMENT IN HORSE HAY-RAKES.

Specification forming part of Letters Patent No. 118,130, dated August 15, 1871.

To all whom it may concern:

Be it known that we, MIRON S. HOLMAN and CYRUS S. FARRAR, of Armada, in the county of Macomb and State of Michigan, have invented a new and useful Improvement in Revolving Horse Hay-Rakes; and we do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective of our invention. Fig. 2 is an enlarged sectional view of the operating parts in top plan. Fig. 3 is a similar view of the same in bottom plan. Fig. 4 is a side elevation of the scape-wheel or ring.

Like letters refer to like parts in each figure.

The nature of this improvement relates to the construction and operation of a revolving horse-rake, so arranged that it will revolve whenever desired. The invention consists in the devices for holding the rake-head and allowing the same to revolve.

In the accompanying drawing, A represents a rake-head provided with teeth *a*, made in the usual manner. B is the draw-bar, connected by means of the three knees C and suitable straps to the rake-head, at nearly equal distances from each other, and from the end of the rake-head, and in such a manner that the rake-head will freely rotate in the strap-connections as such rakes usually do. D is a handle, secured by suitable straps to the center of the length of the rake-

head in the same manner as are the knees, and the handle projects to the rear. Upon the upper side of this handle is fastened the spring-stop E, and upon its lower side is similarly secured another spring-stop, F. G is a scape-wheel or ring, rigidly secured to the center of the rake-head; and H is a lug or projection secured to the strap which secures the center knee to the rake-head.

By raising the handle the forward points of the teeth are thrown down, which tends to elevate the draw-bar; this compels the lug H to disengage the point of the lower spring-stop F from the projection *b* on the outer face of the ring G, when the head will make half a rotation, the upper spring-stop E allowing the projection *c* on the ring to pass under it, when both spring-stops engage with both projections and hold the rake-head rigidly in position until the operation is repeated.

What we claim as our invention, and desire to secure by Letters Patent, is—

The ring G provided with projections *b c*, the spring-stops E F, and the lug H, all arranged relatively to each other, and in combination with a rake-head A, handle D, and strap, by means of which the knee is secured to the rake-head, substantially as and for the purposes set forth.

MIRON S. HOLMAN.

CYRUS S. FARRAR.

Witnesses:

MYRON H. CHURCH,

H. F. EBERTS.