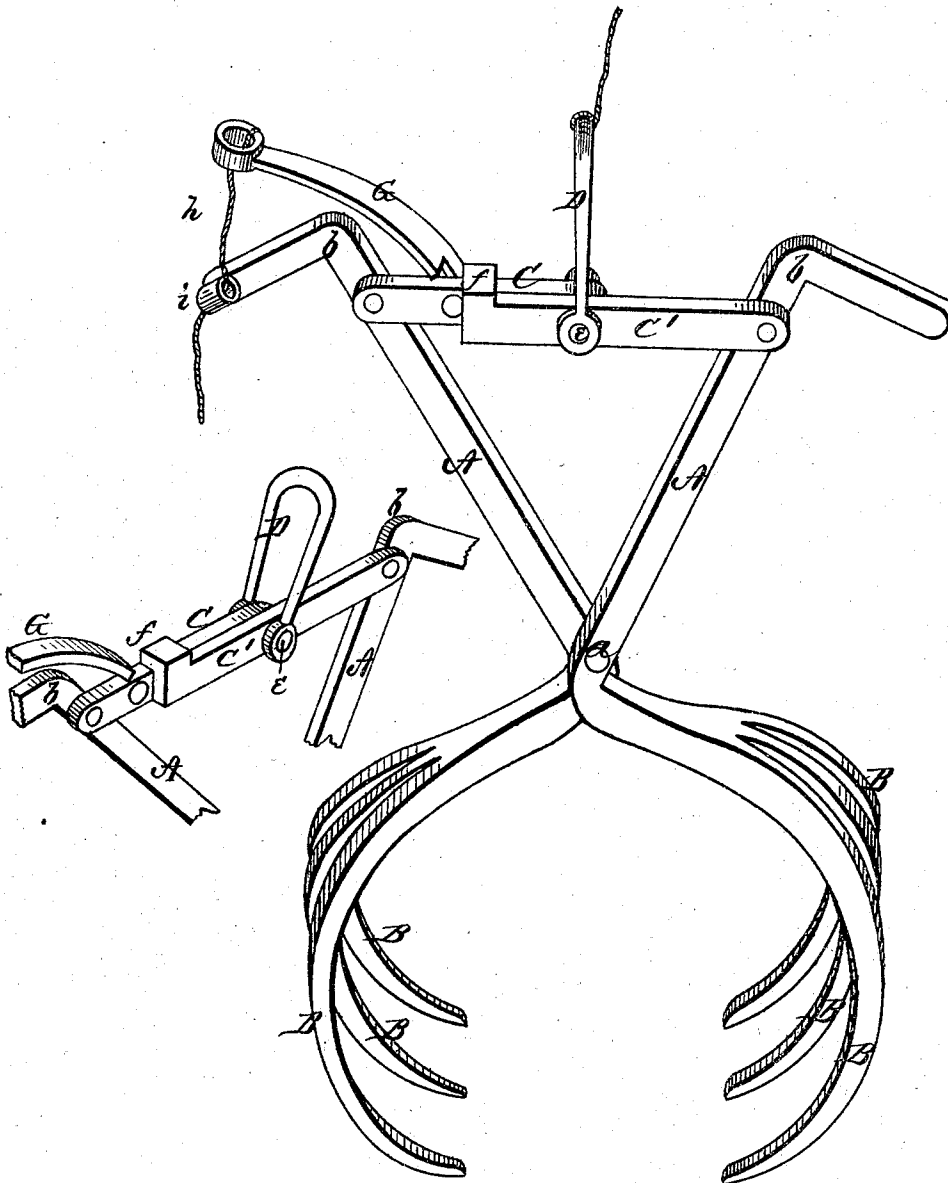


Horse Hay-Forks.

No. 144,143.

Patented Oct. 28, 1873.



WITNESSES.

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UNITED STATES PATENT OFFICE.

BYRON B. ROCKWELL, OF WATERFORD MILLS, INDIANA.

IMPROVEMENT IN HORSE HAY-FORKS.

Specification forming part of Letters Patent No. **144,143**, dated October 23, 1873; application filed September 15, 1873.

To all whom it may concern:

Be it known that I, BYRON B. ROCKWELL, of Waterford Mills, in the county of Elkhart and in the State of Indiana, have invented certain new and useful Improvements in Hay-Fork; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a hay-fork, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing which represents a perspective view of my hay-fork.

A A represent the two arms or shanks of my hay-fork, pivoted together at *a*, and their upper ends bent outward at right angles. The lower ends of the arms A A below the pivot *a* are curved outward, and each arm so curved forms three prongs or tines, B B. C and C' represent two straight bars, pivoted one to each arm or shank immediately below the bends *b*, and said bars are pivoted together by a bolt or rivet, *e*, which also pivots a bail, D, for attaching the hoisting-rope. The bolt or rivet *e* passes through the end of the bar C, while the bar C' projects beyond the bolt, and has

on its end a lug, *f*, which projects above and rests on the upper edge of the bar C when the fork is closed, and the bars C C' on a line with each other. To the bar C is pivoted a latch, G, which, when the fork is closed, can be turned over the lug *f*, and thus lock the fork in position. A trip-rope, *h*, passes from the outer end of this latch through an eye, *i*, upon the extreme end of that shank A to which the bar C is pivoted, so that when the load has been hoisted to the place where it is desired to unload the same, by pulling on the trip-rope *h* the latch G is released from the lug *f*, and the fork at once opened.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, with the arms A A and tines B B of a hay-fork, of the locking-bars C C' and the latch G, the bar C' being provided with the projection *f*, and the two bars pivoted together at *e*, and having the hoisting-rope connected to them at said pivot, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of August, 1873.

BYRON B. ROCKWELL.

Witnesses:

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ELBRIDGE G. CHAMBERLAIN.