# P. Schmitzer.

## Horse Hay-Fork.

No. 76352 Patented Apr. 7, 1868.

Fig. 1.

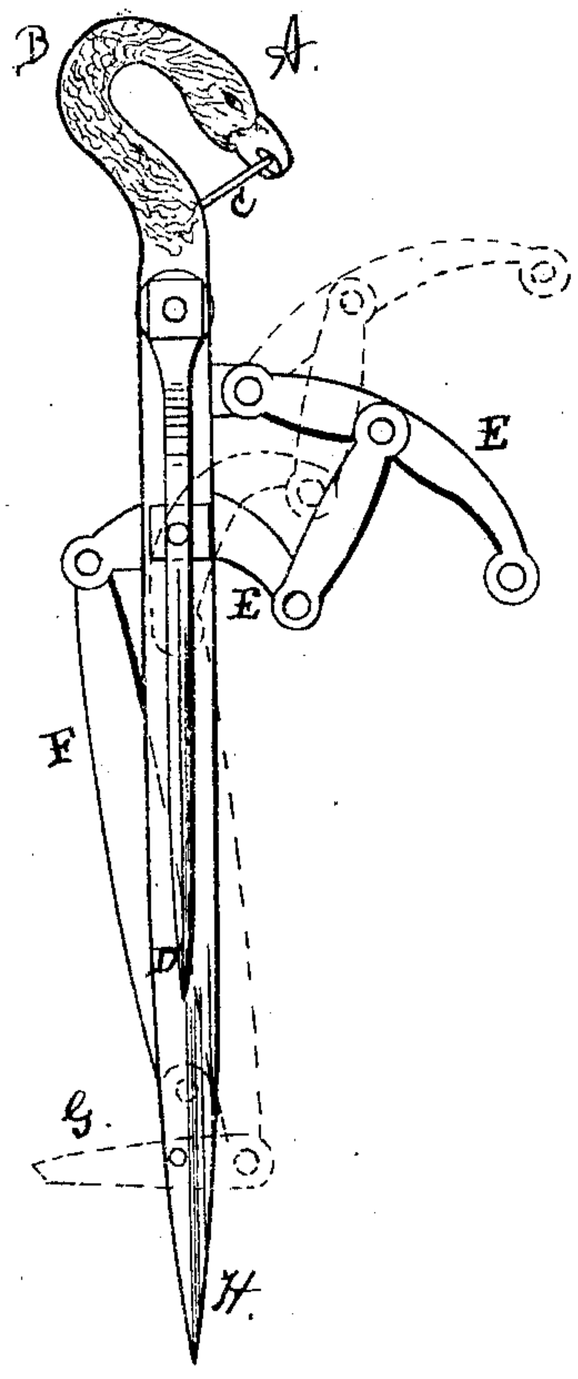
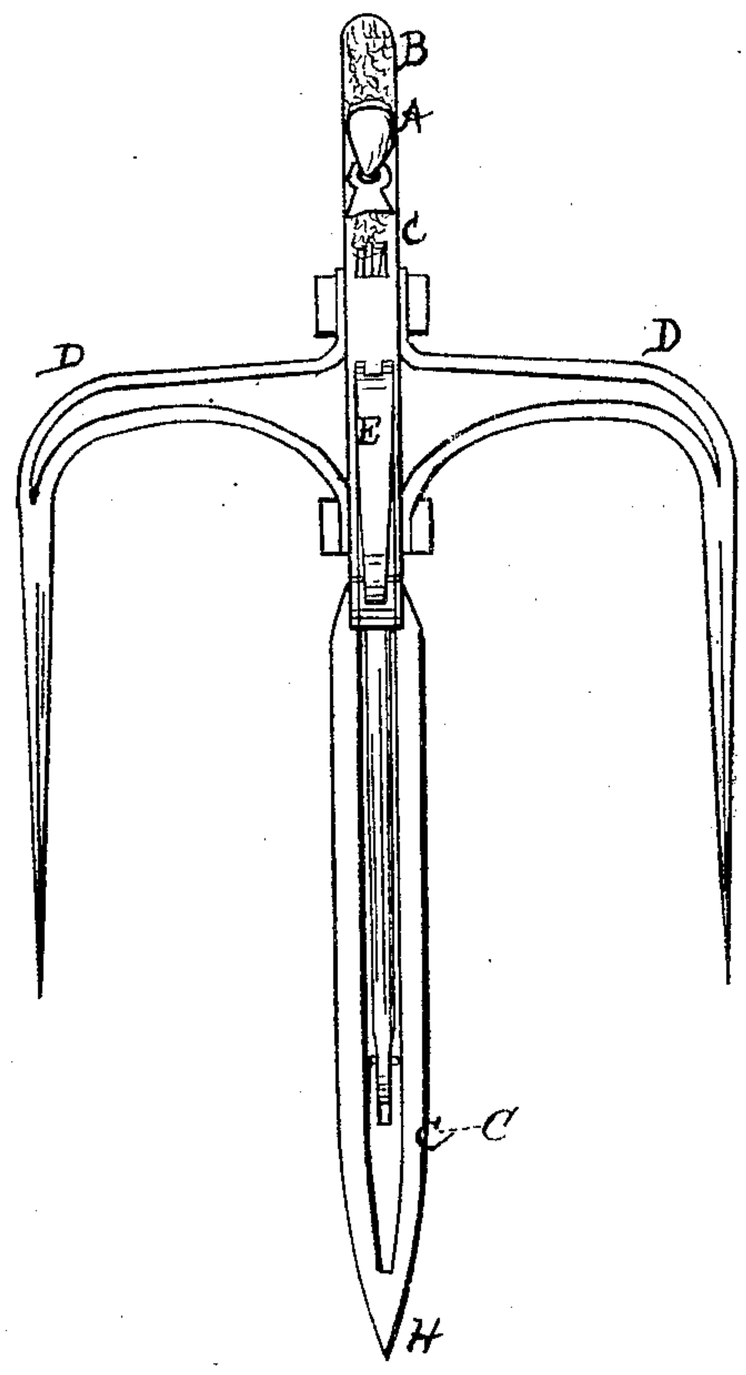



Fig. 2.




Witnesses.

Schmaybury.

James L. Buck.

Inventor.

Peter Schmitzer.

By his Atty. J. F. Rigart.

# United States Patent Office.

PETER SCHWITZER, OF ROBESON TOWNSHIP, PENNSYLVANIA.

*Letters Patent No.* 76,352, *dated April* 7, 1868.

## 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, PETER SCHWITZER, of the township of Robeson, county of Berks, and State of Pennsylvania, have invented a new Hay-Fork, which I style the Eagle Hay-Fork, for the purpose of elevating and stowing away hay by horse-power; and I do hereby declare that the following is a full 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.

Figure 1 represents a side elevation.

Figure 2, a front view.

The nature of my invention is as follows: Letter A is the head. B, the neck, forms the hook which receives the ring that is fastened to a rope that joins the tackle. C admits the ring in the neck, and keeps it there until the operator relieves it by a slight rise at the loose end; this saves the operator from the danger of being struck by the pulley while he is piercing the hay. D′, the steel prongs which protect the hay from falling off, and this prong enters more easily, and is much lighter and stronger than those before invented; it will not break as all others do, from sudden jars, as this prong is double where the strain comes on, and, of course, must spring. E is the double lever, which works the rod F and foot G; it puts the hand-lever out of the way of the hay, which makes it much easier for the operator; it throws the connecting-rod across the centre, and, when the hand-lever stands vertically, it is over the centre, as shown by drawing, so that it will stand perfectly safe until jerked by the operator. F is the connecting-rod, which is made of steel instead of iron, so as to be much lighter than when made of iron, and to give strength, and avoid weight and friction. G is the foot, which is also made of cast steel, so as to be strong and avoid weight; this is made perfectly straight from heel to toe on the under side, so as to avoid the projection of the heel outside of the point of the frame; this avoids all friction in penetration. H is the point of the frame, which is lettered as the centre-prong D. This frame or centre-prong D has a slot, in which the lever E, rod F, and foot G, operate on pivots.

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

The arrangement of the slotted frame D, double-jointed levers E E, and connecting-rod F, as herein described, and for the purposes set forth.

PETER SCHWITZER.

Witnesses:

WASHINGTON RICHARDS,

TOM. D. MAURER.