

S. K. PADEN.

Improvement in Horse Hay Forks.

No. 124,381.

Patented March 5, 1872.

Fig. 1.

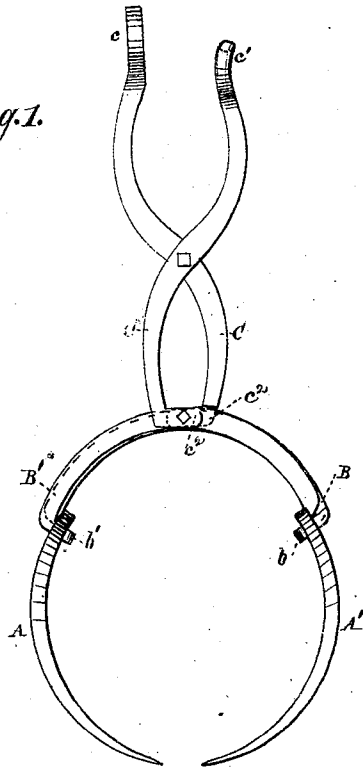
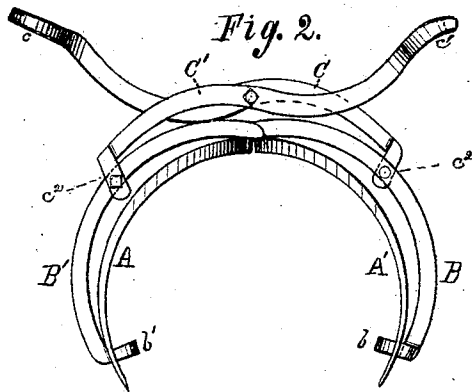


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

SAMUEL K. PADEN, OF PULASKI, PENNSYLVANIA, ASSIGNOR TO HIMSELF,
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IMPROVEMENT IN HORSE HAY-FORKS.

Specification forming part of Letters Patent No. 124,381, dated March 5, 1872.

Specification describing a new Horse Hay-Fork, invented by SAMUEL K. PADEN, of Pulaski, in the county of Lawrence and State of Pennsylvania.

The invention will first be fully described, and then clearly pointed out in the claims.

Figure 1 is a side elevation of the closed fork, and Fig. 2 a side elevation of the same when open.

A A' represent two three-pronged forks, shaped in the arc of a circle, and provided with shanks B B' concentric therewith. These shanks have each on its free end a loop, *b b'*, at right angles thereto. C C' are two levers, having eyes *c c'* at the upper end, and provided with projections *c² c²* at an angle thereto. These projections are pivoted to, or near to, the middle of the arc-shaped shanks B B', whose loops *b b'* slide on the middle prong of a fork, A A'. The fork A, shank B, and arm C constitute one moiety of the fork, while the fork A', shank B', and arm C' constitute the other.

The mode of operation is as follows: The fork being attached, through eye *c* and a suitable cord or rope, to the carriage of a hoisting device, and the eye *c'* being provided with a cord for opening or unclasping the fork, the latter is allowed to descend by its own gravity upon the hay or other long feed. A slight

pull upon the unclasping-cord causes each fork to retreat in the arc of a circle and in the loop of the other's shank. Being now forced into the hay, each again travels in the same arc therethrough and takes a firm hold, a wide grasp, and a large armfull. The levers C C', being provided with the projections *c² c²*, bent at an angle to themselves and pivoted to the middle of shanks, the levers are enabled to fold closely on the shanks and the shanks on the forks.

Having thus described all that is necessary to a full understanding of my invention, what I esteem to be new, and desire to protect by Letters Patent, is—

1. The combination, with two arc-shaped forks, of the concentric shanks B B', having loops *b b'* at right angles thereto, as and for the purpose specified.

2. The combination, with said arc-shaped shanks, of the angle-ended levers C C' pivoted to the middle of said shanks, as and for the purpose set forth.

The above specification of my invention signed by me this 9th day of January, A. D. 1872.

S. K. PADEN.

Witnesses:

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