

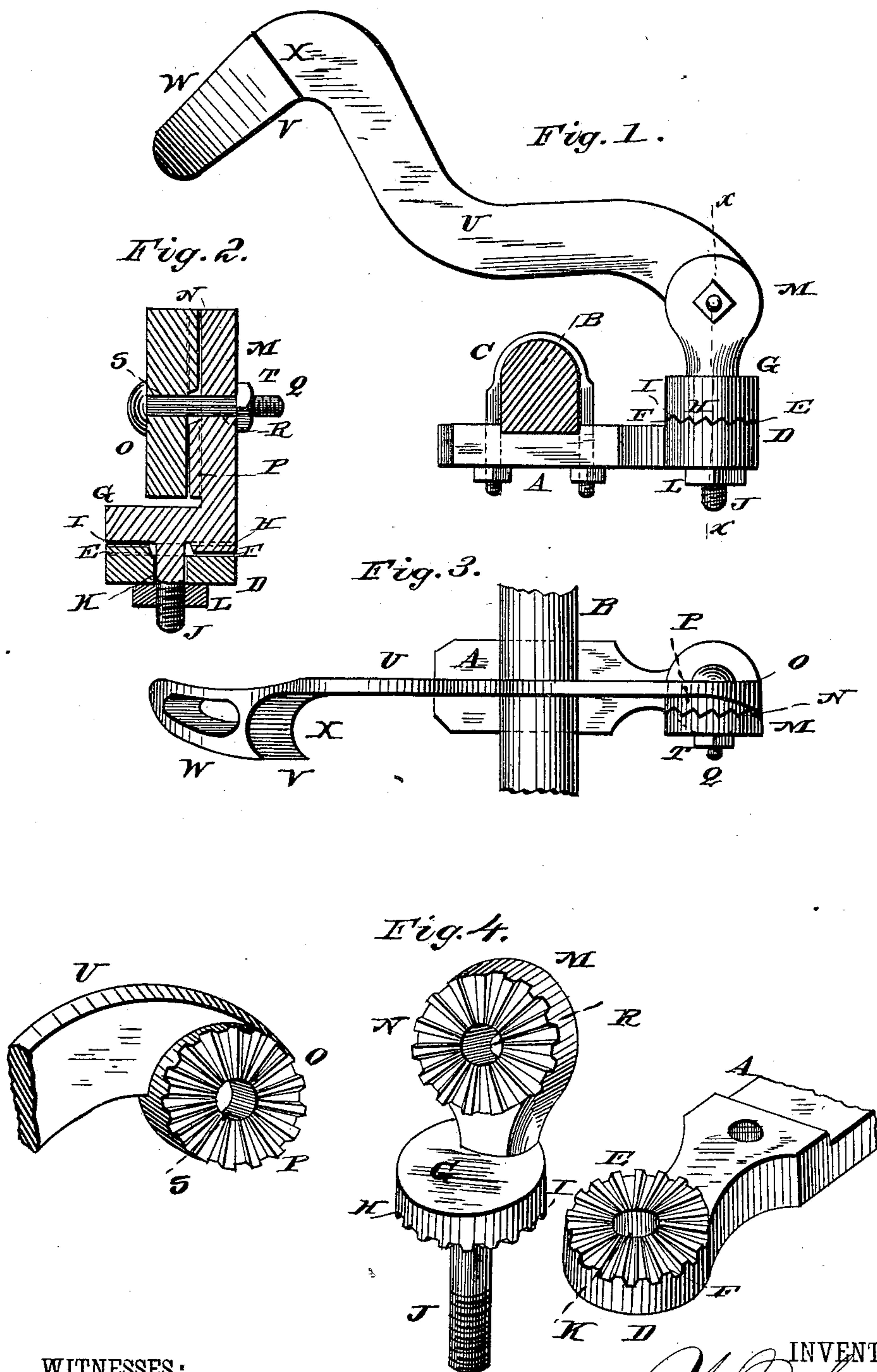
(No Model.)

W. B. McFAIL.

THILL AND TONGUE HOLDER.

No. 266,496.

Patented Oct. 24, 1882.



WITNESSES:

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WELLINGTON B. McFAIL, OF VASSAR, MICHIGAN.

THILL AND TONGUE HOLDER.

SPECIFICATION forming part of Letters Patent No. 266,496, dated October 24, 1882.

Application filed March 30, 1882. (No model.)

To all whom it may concern:

Be it known that I, WELLINGTON BENNET McFAIL, of Vassar, in the county of Tuscola and State of Michigan, have invented certain
5 new and useful Improvements in Thill and Tongue Holders; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make
10 and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention has for its object to provide a simple, durable, inexpensive, and efficient
15 support or holder for vehicle thills or poles that will be readily adjustable either vertically or laterally.

In the drawings, Figure 1 is a side view; Fig. 2, a vertical sectional view on the line *x*
20 *x*, Fig. 1; Fig. 3, a top view; and Fig. 4, a detail view, in perspective, of the adjusting mechanism separated.

Referring by letter to the drawings, A designates a horizontal plate, which is secured to
25 the under side of the cross-bar B by a clip, C, or other suitable means. D is a horizontal disk, formed at the rear end of plate A, and provided with radial notches E in its upper face, forming projections F. G is another horizontal
30 disk, provided on its under face with corresponding notches H, forming like projections I, and with a vertical screw-threaded shank, J, passing down through a central opening, K, in disk D, and provided under the same
35 with a tightening-nut, L. This constitutes the mechanism for the lateral adjustment on a horizontal plane of the support.

To provide for vertical adjustment of the holder or support, a vertical disk, M, is formed
40 at the side on the upper face of disk G, and the inner face of this vertical disk M is grooved like the other disks to form projections N. O is another vertical disk, formed at the bottom of the holding-spring, and correspondingly
45 grooved to form projections P on its inner face. A horizontal screw-threaded bolt, Q, passes through central openings R S, respectively, in the disks M O to hold the two latter together, and is provided with an adjusting or tightening
50 nut, T. Above the disk O the flat spring U extends, and is curved forwardly and upwardly,

and at its top is provided with a lateral projection, V, having forwardly-curved and beveled side W and semicircular recess X in its rear.

It is obvious that in lieu of the grooves and projections the faces of the different disks may be provided with cogs or the like.

The operation and advantages of my invention will be readily understood. To adjust the
60 holder laterally, the horizontal disk G is turned to the desired point, carrying with it the spring U, and the nut L is screwed tightly against the disk D, thus causing the projections or cogs in the latter to enter the grooves
65 or recesses in disk G and hold the disks securely together to prevent their turning. In like manner the disk O at the bottom of the spring is turned and the nut T screwed up to
70 secure the spring in the desired vertical position. To secure the tongue or thills in an upright position, they are simply elevated and pressed against the curved side or projection
75 V, when the spring will be pressed to one side and the pole or thill pass back into the curved recess X, where it is securely retained.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. The combination, with the plate A, having ratchet-disk D, of the ratchet-disk G, carrying the holding-spring U, and having the
80 screw-threaded shank passing through disk D, and provided with a securing-nut, L, whereby the spring is adjusted laterally, as set forth.

2. The combination, with the plate A, carrying the vertical ratchet-disk M, of the holding-spring, provided at its lower end with a
85 corresponding ratchet-disk, N, and means for securing the same together to adjust the spring vertically.

3. The combination, with the holding-spring U, of the herein-described means for adjusting it in both the lateral and vertical direction, the
90 same consisting of suitable ratchet mechanism, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in
95 presence of two witnesses.

WELLINGTON BENNET McFAIL.

Witnesses:

E. H. TAYLOR,
W. A. WHITE.