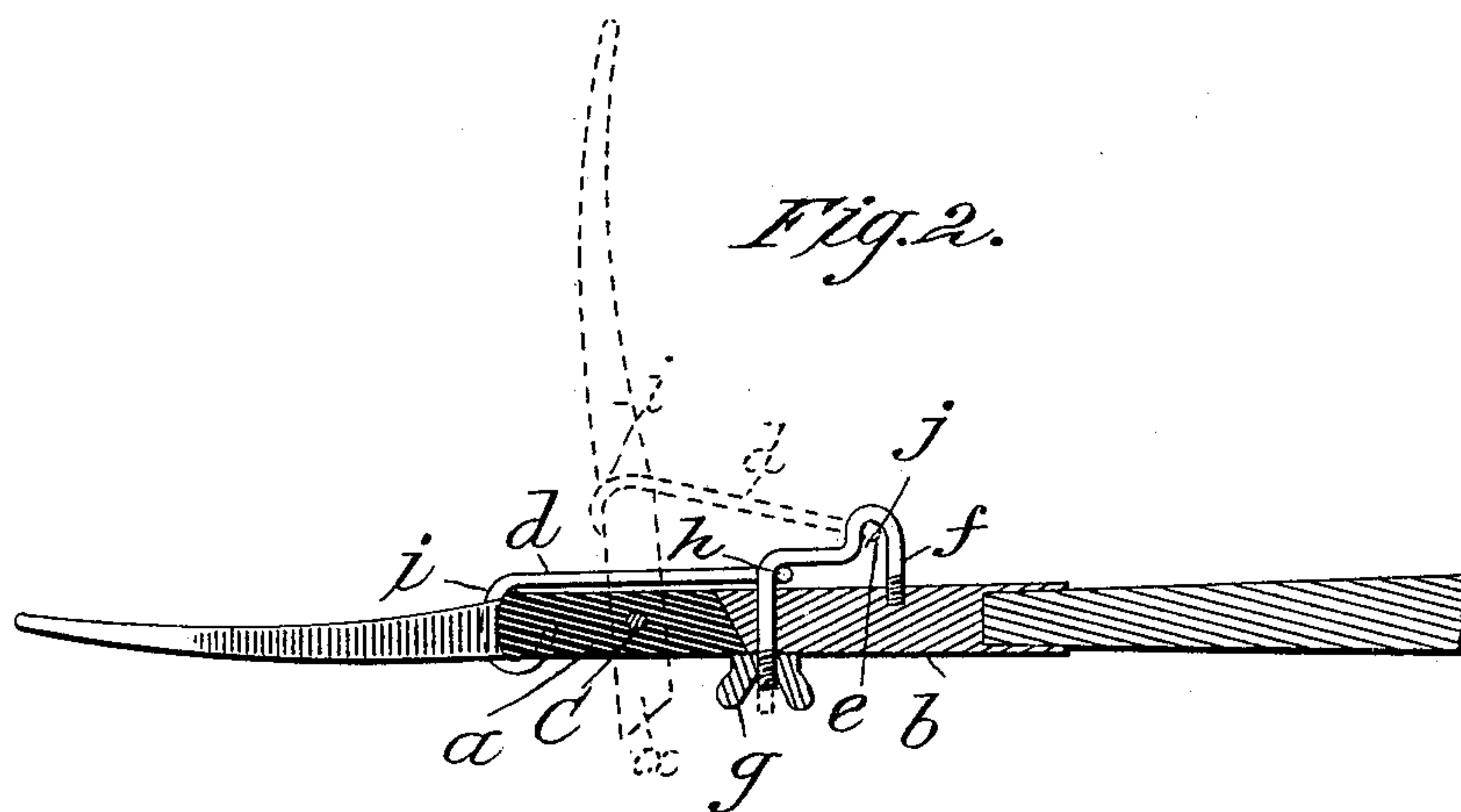
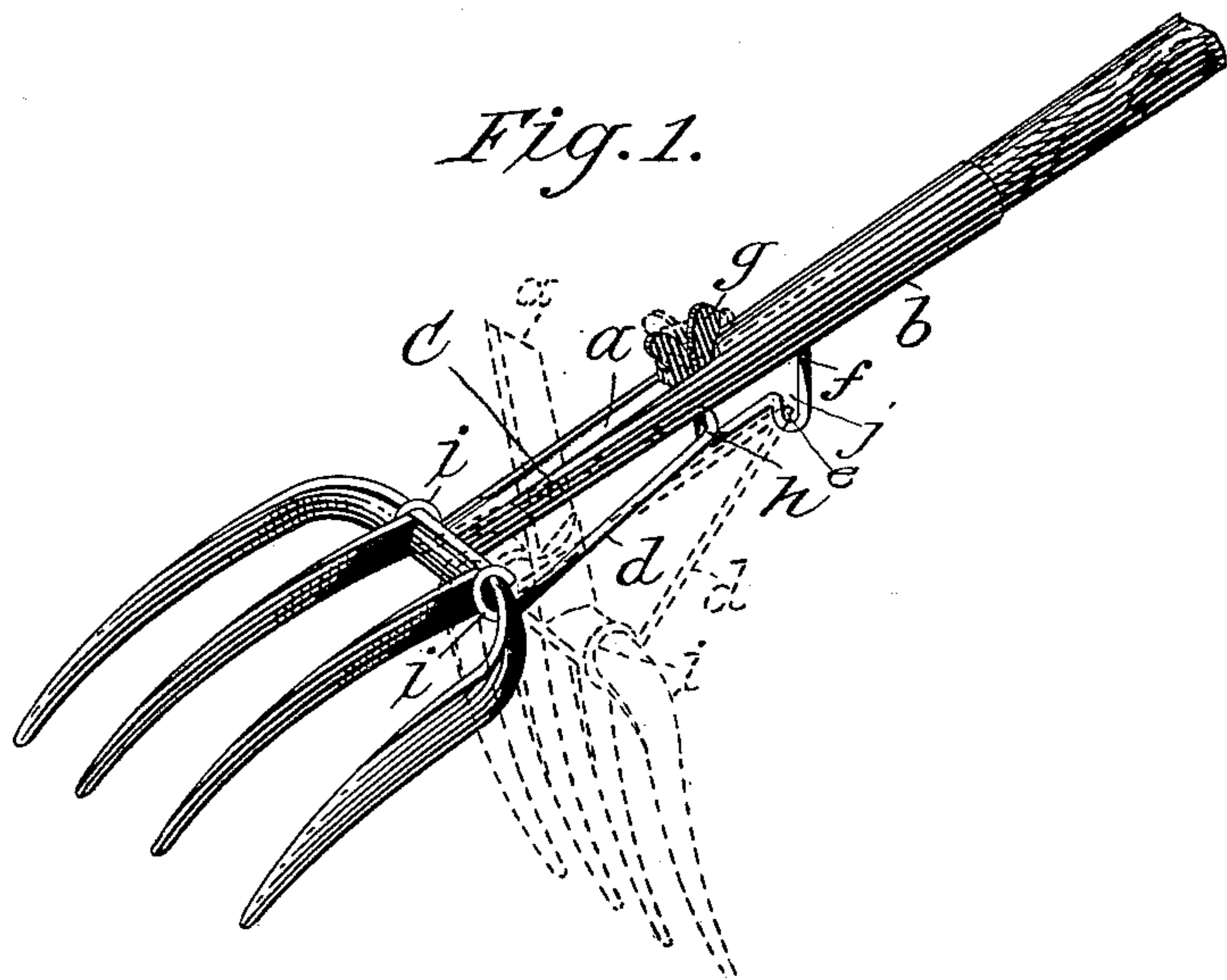


(No Model.)

O. KRAMER.  
FORK.

No. 403,536.

Patented May 21, 1889.



*Witnesses:*  
*Geo. W. Coburn*  
*D. H. Deane*

*Inventor:*  
*Otto Kramer*  
*James J. Sheehy Attorney.*

# UNITED STATES PATENT OFFICE.

OTTO KRAMER, OF UNIONVILLE, MICHIGAN.

## FORK.

SPECIFICATION forming part of Letters Patent No. 403,536, dated May 21, 1889.

Application filed March 3, 1888. Serial No. 266,051. (No model.)

*To all whom it may concern:*

Be it known that I, OTTO KRAMER, a citizen of the United States, residing at Unionville, in the county of Tuscola and State of Michigan, have invented a new and useful Combined Fork, of which the following is a specification.

My invention relates to improved use of four-tined or other fork. By means of a riveted joint in the shank and other attachments it is adjusted in the form of a hook. My object is to make the implement useful for other than the ordinary use and by the attachments to make it permanent in either position. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective of my fork and attachments. Fig. 2 represents a side sectional view, showing joint, staple, and adjustment of the fork.

Similar letters refer to similar parts throughout both views.

The full-lined figure in Fig. 1 represents the ordinary four-tined fork inverted and also the representations of the joint and attachments. The dotted representation of the fork turned at right angle to the handle shows it adjusted in the shape of a hook.

*a* represents a tenon attached to *b*, the counterpart, by a rivet, *c*, on which it is permitted to swing at right angle to the handle, where it is supported by a brace, *d*, being in the partial circle *e* of staple *f*, which is fastened to the major portion of the shank *b* in rivet form at the end farthest from the fork, the other branch of the staple passing through the shank from the front side to or near the end of tenon *a* when closed, where the staple is finished with thread and provided with thumb-screw *g*, the base of which is flattened on one side, which side when turned toward the fork will permit the tenon to open or shut, but which thumb-screw when turned

quarter or half around will cover the point of said tenon, holding it firmly in its position as an ordinary fork. This staple *f* when placed in position on the shank or fork-handle forms a space much the form of the Roman letter P, through which the triangular brace *d* can pass, resting at the lower end, *h*, when the fork is in the usual position and in the bow *e* of that space when the fork is at an angle.

The triangular brace *d* is so formed that each end encircles the base of the outside tine, *i*, (permitting it to revolve in making the change,) and the portion under the staple is straight, twice the thickness of the staple, one half being larger than the other, filling and fitting bow *e* in staple, the smaller half permitting brace *d* to pass to and from bow *e* through the opening *j*, which is narrower than the bow *e*.

Having described my invention, what I claim is—

1. The combination, with a fork-handle having a slot at its lower end, of a loop secured to said handle and having an offset, and a fork having its tine pivoted in the slot of the handle, and a slide-brace secured at one end to the fork and its opposite end bearing in the loop, substantially as specified.

2. The combination, with a handle having a slotted ferrule at one end, of a fork having its shank pivoted in the slot, a loop secured to the fork-head, with one end adapted to receive a set-nut and also having an offset, a set-nut adapted to hold the fork to the handle in a straight position, and the slide-brace secured at one end to the fork and having its opposite end bearing in the loop, so that the fork may be held in an angular position with respect to the handle, substantially as specified.

OTTO KRAMER.

Witnesses:

W. C. WRIGHT,  
D. E. DOZER.