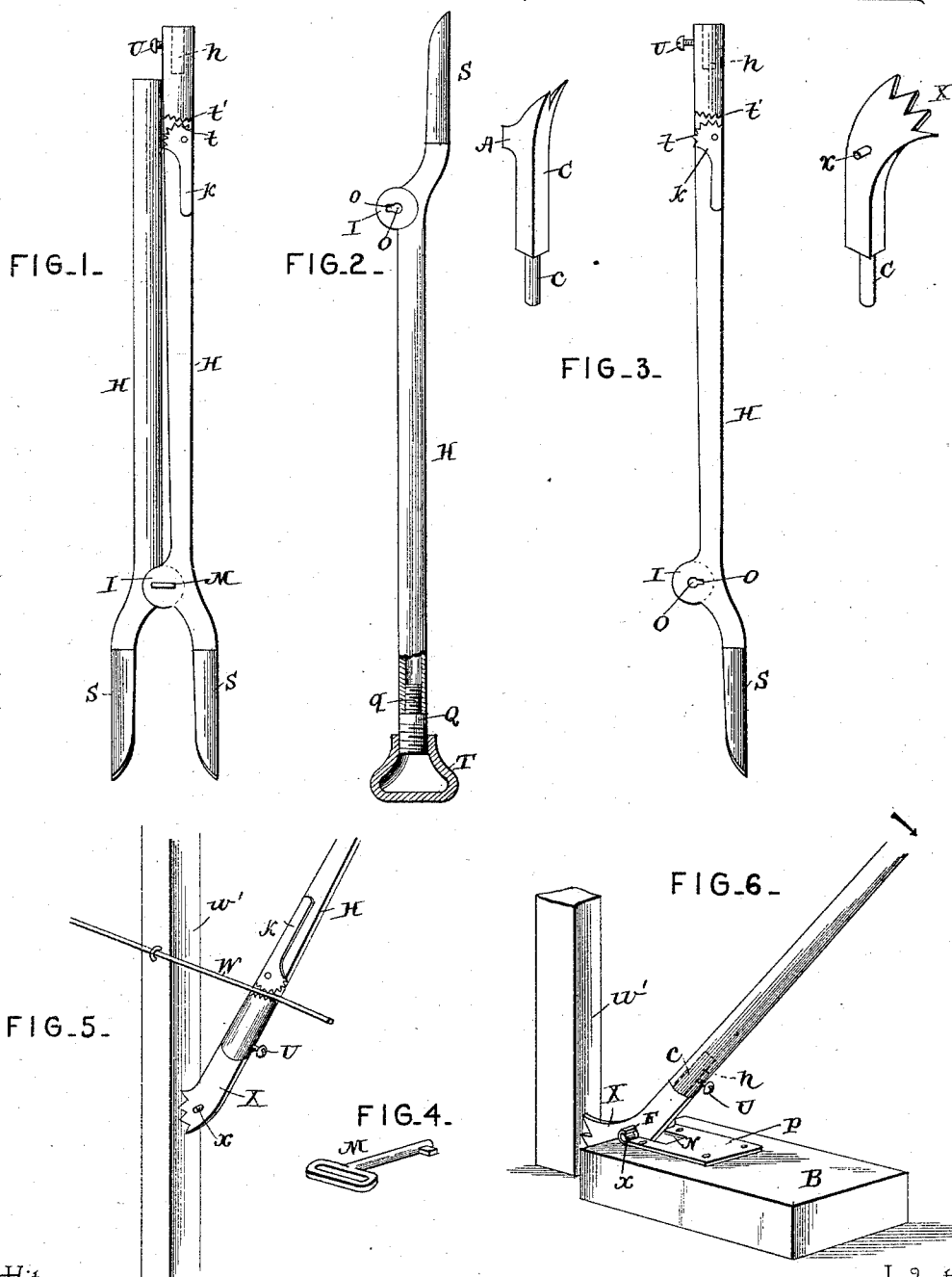


(No Model.)

J. W. BRENNAMAN.
FENCE BUILDING TOOL.

No. 485,835

Patented Nov. 8, 1892.



Witnesses

Jas. K. McArthur
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By his Attorneys,

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UNITED STATES PATENT OFFICE.

JACOB W. BRENNAMAN, OF ABILENE, KANSAS.

FENCE-BUILDING TOOL.

SPECIFICATION forming part of Letters Patent No. 485,835, dated November 8, 1892.

Application filed April 3, 1891. Serial No. 387,539. (No model.)

To all whom it may concern:

Be it known that I, JACOB W. BRENNAMAN, a citizen of the United States, residing at Abilene, in the county of Dickinson and State of Kansas, have invented a new and useful Fence-Building Tool, of which the following is a specification.

This invention relates to devices for building fences; and the object of the same is to construct an improved combination-tool by means of which the various movements and operations necessary in digging post-holes, seating posts, extracting them, and stretching the wires may be speedily and readily accomplished.

To this end the invention consists of the specific details of construction hereinafter more fully described and claimed, and as illustrated on the sheets of drawings, wherein—

Figure 1 is a front elevation of the post-hole digger. Fig. 2 is a similar elevation of the tamping device. Fig. 3 is a similar elevation of one shovel, showing a nail-extracting claw and a post-extractor and hammer adapted to be inserted in the upper end of the handle of this shovel and held therein by a set-screw. Fig. 4 is a perspective view of the locking-key. Fig. 5 is a perspective view of the wire-tightening devices. Fig. 6 is a similar view of the post-raising devices.

Referring to the said drawings, the letter S designates shovels having handles, which may be of gas-pipe or may be solid and tapered and are about the relative shape and size shown. The said handles are provided near the shovels with interlocking eyes I, having holes O with small offsets o, and a pin or key M, Fig. 4, is adapted to be inserted through the holes and their offsets and then turned axially, so as to pivotally connect the interlocking eyes I. When so connected, these shovels form a post-hole digger, as shown in Fig. 1; but when disconnected it is obvious that they may be used as shovels.

The letter T designates a tamping device into whose upper end is screwed a block Q, having a reduced and threaded extension q, which is in turn screwed into the gas-pipe handle H of one of the shovels, all as best

seen in Fig. 2. The use of this device will be obvious.

In Fig. 3 is shown a nail-extracting claw C, having a hammer face A, and also having a reduced shank c. There is also illustrated the post-extractor X, having a transverse pin x through its head, and also having a reduced shank c. These shanks are capable of being removably inserted in the hole h in the upper hollow end of one of the tapered and solid handles H, as shown in this figure, and held therein by a set-screw U. The uses of the claw and the hammer are well known and the post-extractor will be referred to hereinafter.

Pivoted to one of the handles H is a cam-shaped plate K, having teeth t on its face, and adjacent this face similar teeth t' are formed upon a shoulder in the handle.

In Fig. 5 is shown the manner in which this device is used as a wire-tightener—that is to say, the wire W is led by the post w', to which it is attached and is passed between the teeth t and t' at the proper point. The lower end of the handle H (or whatever tool may be therein) is then rested against the post, as shown, and the shovel end of the device is moved in the direction of the arrow. A strong tension is thereby imparted to the wire W, which is then stapled to the post.

The letter B designates a block having a deep notch N in one end, and to the upper face of this block is secured a plate P, also having a notch registering with that in the block and further provided with upwardly-curved fingers F, as shown. In Fig. 6 is shown the manner in which this device is used for extracting posts. The block B is brought close to the post, the extractor placed in the notch in the plate P, with the ends of its transverse pin x resting behind the fingers F, and the shovel end of the handle is moved in the direction of the arrow. This motion causes the teeth of the extractor X to take into the post w', and the latter is drawn from the earth.

The various uses and advantages to which the several parts of this device can be put will be obvious to a skilled artisan in fence-building and need no elaboration here; and I reserve the right to make changes in the shape

and size of parts, together with such additions as may seem advisable, all without departing from the spirit of the present invention.

5 What is claimed as new is—

The herein-described combination fence-building tool, the same consisting of a pair of handles having at their lower extremities shovels, said handles being removably pivoted
10 above the shovels, one of said handles being provided at its upper end with a socket adapted to receive the shank of a claw-bar having

opposite fulcrumed lugs, a tamping-head, or other device, and below said socket provided with a toothed shoulder and a toothed binding-pawl eccentrically pivoted to the handle
15 below the shoulder, substantially as specified.

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

JACOB W. BRENNAMAN.

Witnesses:

A. S. DAVIDSON,
G. D. KIEFFER.