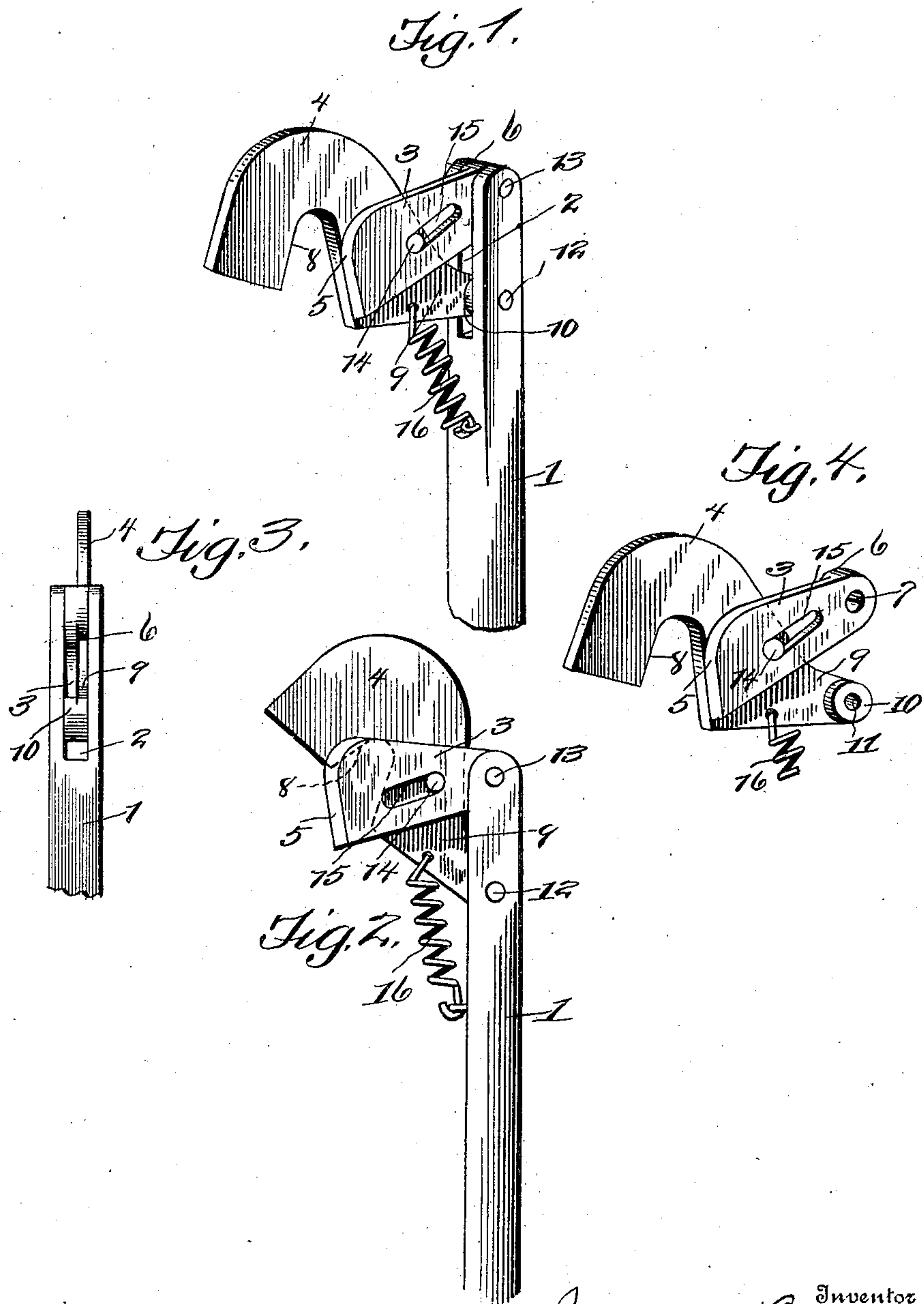


No. 845,027.

PATENTED FEB. 19, 1907.

J. BINGAMAN.
PRUNING IMPLEMENT.
APPLICATION FILED JUNE 4, 1906.



Witnesses

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JOSEPHUS BINGAMAN, OF GARNETT, KANSAS.

PRUNING IMPLEMENT.

No. 845,027.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed June 4, 1906. Serial No. 320,223.

To all whom it may concern:

Be it known that I, JOSEPHUS BINGAMAN, a citizen of the United States, residing at Garnett, in the county of Anderson and State of Kansas, have invented new and useful Improvements in Pruning Implements, of which the following is a specification.

My invention relates to improvements in pruning implements, and has for its object the reduction in number of parts and the consequent simplification of construction and assemblage of such parts.

Referring to the accompanying drawings, wherein like characters of reference designate similar parts throughout the several views, Figure 1 is a perspective view of my improved implement. Fig. 2 is a view thereof in side elevation. Fig. 3 is a rear elevation, and Fig. 4 is a perspective view showing the parts in detached position with respect to the supporting-pole.

In actual practice I employ a supporting-pole, (designated 1 and formed with a slot 2 at its upper portion.)

The cutting mechanism embodies two members 3 and 4, the former consisting of a flat section of metal of substantially rectangular form, shaped at its front upper corner with an arc part, which latter and the front edge of member 3 are each beveled to constitute a cutting edge, as indicated at 5. The rear end of member 3 is formed with an inwardly-projecting boss 6, which is perforated, as designated at 7, the boss being received in the slot 2 and being substantially of the same width as the same.

Member 4 consists of a hook-shaped member formed of a section of metal having its inner edge constituting a knife-edge 8, which coöperates with knife-edge 5 of member 3 in obvious manner. Member 4 has a projecting arm 9, formed with an inwardly-projecting boss 10, perforated, as at 11.

Arm 9 of member 4 is placed at a point adjacent the bottom of slot 2, so that the same will be at substantially right angles to the pole 1 when the member 4 is in normal position and is pivotally retained at this point by means of pin 12.

Member 3 is located at the upper end of the pole and in normal position has its body ex-

tending at an acute angle to the pole, being retained in such position by means of pin 13. Member 4 carries a pin 14, which operates in a slot 15, formed in member 3, thereby assuring synchronous movement of the two members.

In order to sustain member 4 in normal position, I provide a spring 16 of the coil type, which is secured to the said member and the pole, as clearly indicated in Figs. 1 and 2. By reason of the pin-and-slot connection it will be noted that member 3 will be automatically adjusted by the action of member 4.

In operation the parts will normally occupy the position shown in Fig. 1, at which time the cutting edges of the two members are inoperative position. The twig, branch, &c., to be cut is placed within the hook-shaped part of member 4 and downward pressure is then exerted on pole 1, which has the effect of employing the branch, twig, &c., as a point of fulcrum for member 4 to move about, thereby causing member 3 to move across the hook-shaped portion of member 4 to the position disclosed in Fig. 2, at which time the branch, twig, &c., has been severed. The parts will be automatically restored to normal position by means of spring 16.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A pruning implement, comprising a pole having a slotted upper end, a pair of members having a pin-and-slot connection between the same pivoted in said slot of the pole at spaced points, and a spring connected to one of the members and to the pole.

2. A pruning implement, comprising a pole having a slotted upper end, a hook-shaped member, a rectangular member, oppositely-disposed perforated bosses integral with said members, said members being pivoted in said slot at spaced points, a spring connected to one of said members and said pole, and a pin-and-slot connection between said members.

3. A pruning implement, comprising a pole having a slotted upper portion, a rectangular member having an arc-shaped portion at one end formed with a knife-edge, an inwardly-extending perforated boss integral with the

opposite end of said member, said boss being
pivoted in the upper part of said pole-slot, a
hook-shaped member having an arm formed
on its end with an inwardly-extending per-
5 forated boss pivoted in said slot at a point
below the pivotal point of said first-named
member, one of said members having a slot
therein and the other a pin operating in said

slot, and a coil-spring secured to said arm of
the second-named member and said pole. 10

In testimony whereof I affix my signature
in presence of two subscribing witnesses.

JOSEPH BINGAMAN.

Witnesses:

Y. H. HARDEN,
D. W. CHEEK.