No. 868,330. PATENTED OCT. 15, 1907.

C. E. CROMBIE.

PRUNING IMPLEMENT.

APPLICATION FILED MAY 6, 1907.

Fig. 1.

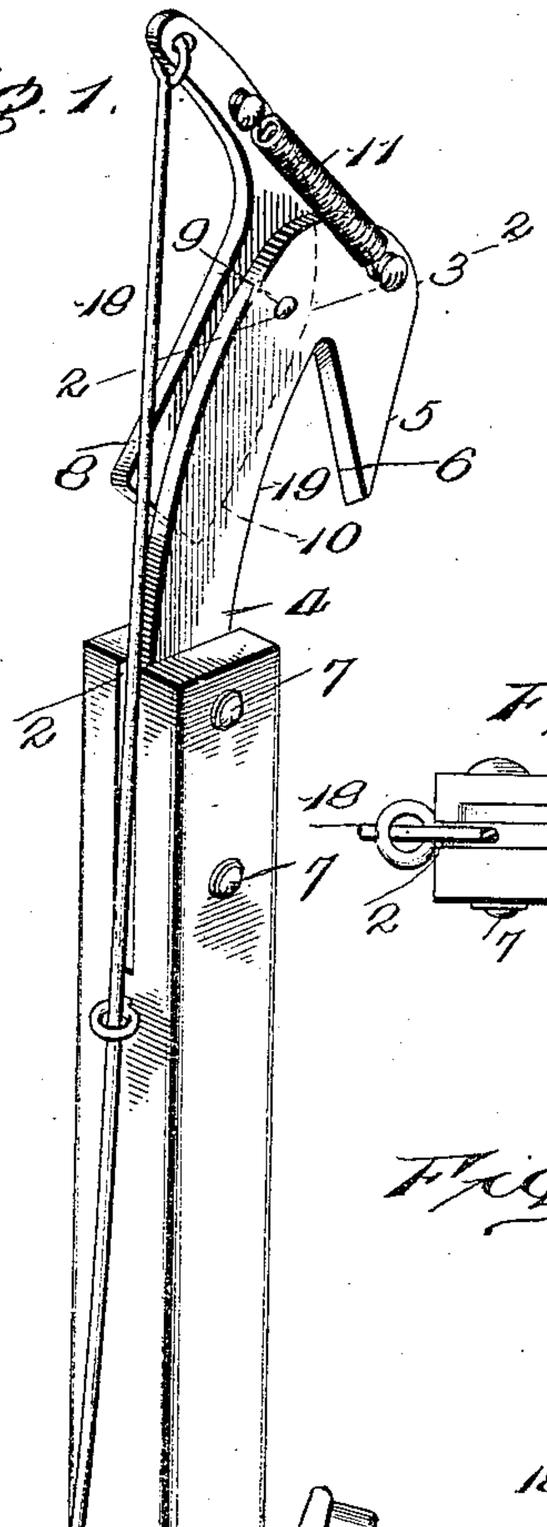

Fig. 2.

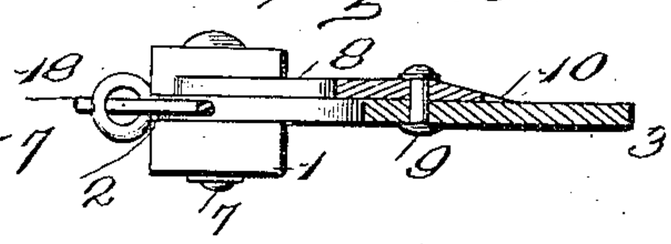

Fig. 3.

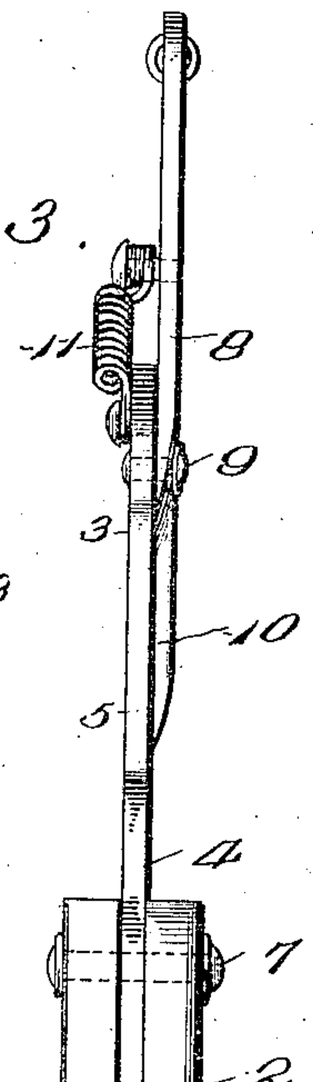

Fig. 4.

Fig. 5.

Witnesses

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PRUNING IMPLEMENT.

No. 868,330. Specification of Letters Patent. Patented Oct. 15, 1907.

Application filed May 6, 1907. Serial No. 372,230.

To all whom it may concern:

Be it known that I, CHARLES E. CROMBIE, a citizen of the United States, residing at Manchester, in the county of Hillsboro and State of New Hampshire, have invented certain new and useful Improvements in Pruning Implements, of which the following is a specification.

My invention relates to certain new and useful improvements in pruning implements and the object of my invention is to produce an implement of this class which shall be cheap to construct, composed of few parts, powerful and simple in its operation, and durable.

With these and other objects in view my invention consists in certain constructions, combinations and arrangements of parts the preferred form of which will be first described in connection with the accompanying drawings and then the invention particularly pointed out in the appended claims.

Referring to the drawings wherein I show the preferred form of my invention and wherein the same part is designated by the same reference numeral wherever it occurs

Figure 1 is a perspective view of a pruning implement embodying my invention, Fig. 2 is a section on line 2—2 of Fig. 1, Fig. 3 is a front edge view, Fig. 4 is a detail section on line 4—4 of Fig. 1, and Fig. 5 is a cross section of the staff through the lever.

1 designates a staff of any suitable or desired length in the upper end of which is cut a kerf 2, 3 designates a hooked member having a shank 4, a nose 5 and a cutting edge 6 on the inner edge of the nose portion. The hooked member is secured to the staff 1 by placing the end of the shank in the kerf 2 and passing rivets 7 or other securing devices through the staff and suitable openings in the shank.

8 is an arm pivoted at 9 to the member 3. The edge of this arm at 10 is ground down on the outside to form a cutting edge to co-act with the edge 6 of the nose 5. Preferably, and as shown, the edge 6 is formed by a sharp bevel while the edge 10 tapers gradually back.

11 designates a coil spring one end of which is secured to the arm 8 and the other end to the hooked member 3 near its upper end whereby the cutting edges will be normally held apart.

12 designates an operating lever pivoted at 13 in a slot 14 cut in the side of the staff near its lower end. 15 designates a pair of plates one secured to each side of the slot between which the lever 12 works.

16 designates a plate provided with a slot 17. This plate is secured on the side of the staff and over the slot 14 with the lever passing through the slot 17 whereby the movement of the lever is limited and the enlarging of slot 14 prevented.

18 designates a wire one end of which is connected to the lever 12 and the other end to the arm 8 whereby power applied to the lever 12 is transmitted to the arm.

It will be noted that the nose 5 tapers down to a point and that the cutting edge 6 on the inner edge thereof is substantially parallel to the staff 1. It will also be noted that the edge 19 of the shank forms an acute angle with the cutting edge 6 and also that when the parts are in open position the cutting edge 10 of the arm 8 stands entirely behind the shank portion. It is also to be noted that by giving the arm 8 the curve shown it extends up from the staff and the device can therefore be pushed up through the branches with less difficulty. It is also to be observed that by having the edge 6 extend substantially parallel to the body of the staff there will not be the tendency for the device to lift and slip during the cutting operation that there would otherwise be.

What I claim as new and desire to secure by Letters Patent is:

1. A pruning implement, comprising a staff, a hooked portion mounted at one end of the staff, said hooked portion comprising a nose, and a shank portion, a cutting edge formed on the edge of the nose adjacent to the shank portion, the cutting edge extending substantially parallel to the staff, an arm pivoted to the hooked member said arm having a cutting edge on one side of the pivot with the portion of the arm on the other side of the pivot adapted to extend substantially in line with the staff when in normal position, a spring connected to the hooked member and the arm to hold the arm in its normal position, an actuating lever pivoted on the staff and a connection between the lever and the arm.

2. A pruning implement, comprising a staff, a hooked portion mounted at one end of the staff, said hooked portion comprising a nose and a shank portion, a cutting edge formed on the edge of the nose adjacent to the shank portion, an arm pivoted to the hooked member, said arm having a cutting edge on one side of the pivot with the portion of the arm on the other side of the pivot adapted to extend substantially in line with the staff when in normal position, a spring connected to the hooked member and the arm to hold the arm in its normal position, an actuating lever pivoted on the staff, and a connection between the lever and the arm.

3. A pruning implement, comprising a staff, a hooked portion mounted at one end of the staff, said hook portion comprising a nose, and a shank portion, a cutting edge formed on the edge of the nose adjacent to the shank portion, the cutting edge extending substantially parallel to the staff, an arm pivoted to the hooked member, said arm having a cutting edge on one side of the pivot which is adapted to stand behind the edge of the shank when the parts are in their normal position, a spring connected to the hooked member and the arm to hold the arm in its normal position, an actuating lever pivoted on the staff and a connection between the lever and the arm.

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

CHARLES E. CROMBIE.

Witnesses:
JOHN P. BARTLETT,
CHARLES D. BARNARD.