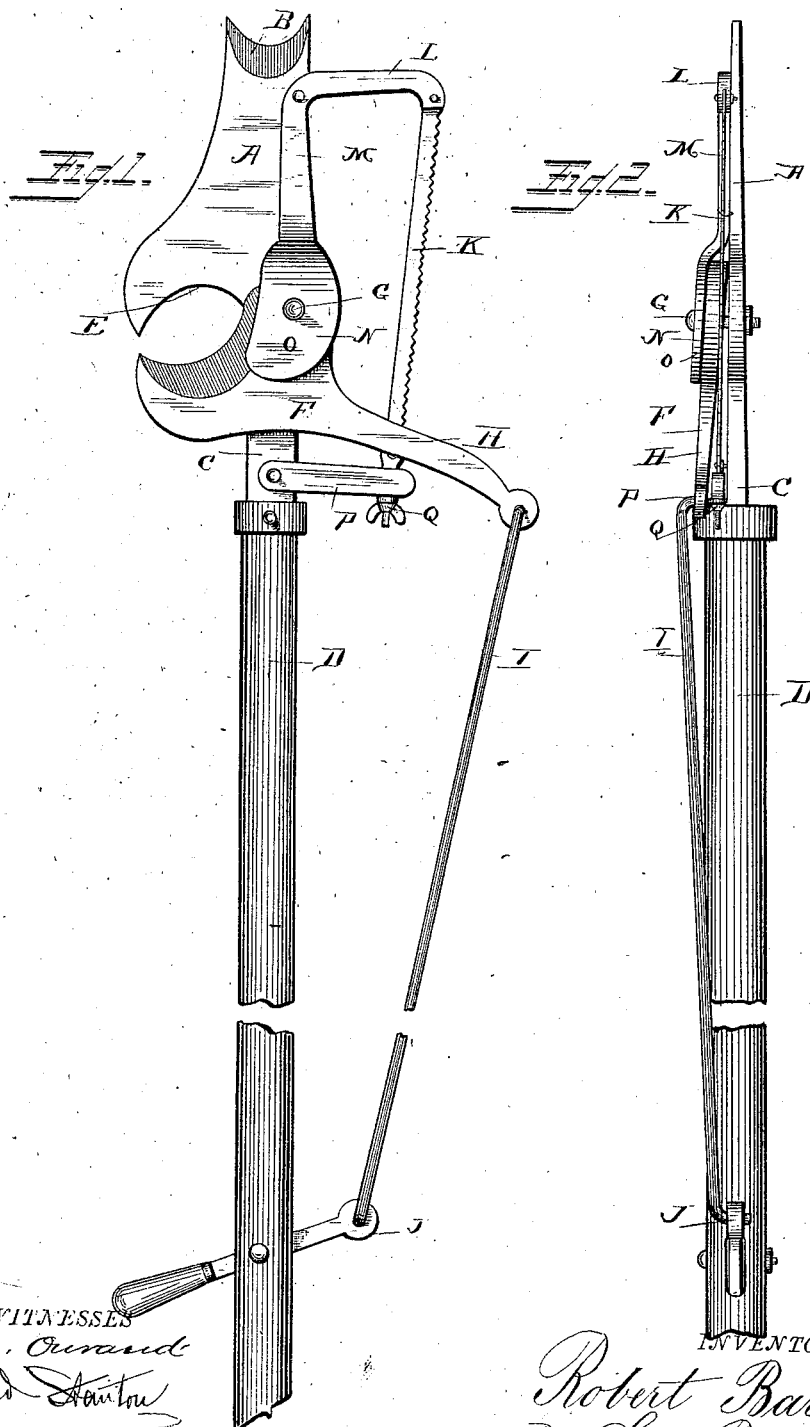


(No Model.)

R. BARTLY.
PRUNING IMPLEMENT.

No. 347,552.

Patented Aug. 17, 1886.



WITNESSES
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UNITED STATES PATENT OFFICE.

ROBERT BARTLY, OF ENNIS, TEXAS.

PRUNING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 347,552, dated August 17, 1886.

Application filed June 28, 1886. Serial No. 206,426. (No model.)

To all whom it may concern:

Be it known that I, ROBERT BARTLY, a citizen of the United States, and a resident of Ennis, in the county of Ellis and State of Texas, have invented certain new and useful Improvements in Pruning Implements; 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 and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of my improved pruning-instrument, and Fig. 2 is an edge view of the same.

Similar letters of reference indicate corresponding parts in both figures.

My invention has relation to that class of pruning implements in which a concave chisel-edge is formed in the upper end of the blade and one concave jaw of a pair of pruning-shears is formed at the lower end of the blade, while a saw is attached to one side of the blade and a pivoted jaw is attached to the lower end, operating together with the lower concave edge, and it contemplates certain improvements upon the pruning implement for which Letters Patent No. 146,744 were granted to me on the 27th day of January, 1874; and it consists, to that end, in the improved construction and combination of parts of such an implement, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the blade, the upper end of which is provided with the concave chisel-edge B, and the lower end of which is formed with a tang, C, which fits in the upper end of a pole or handle, D. The lower end of the blade is formed with a concave cutting-edge, E, at the side of the tang, which edge forms the rigid jaw of a pair of pruning-shears. The movable jaw F of this pair of shears is pivoted at its inner end upon a bolt or pin, G, passing into the blade at the inner end of the concave edge in the blade, and this concave movable jaw is provided with a handle, H, projecting from the middle of the convex rear edge of the

jaw, the said handle having a rod, I, pivoted to its outer end, which rod is pivoted at the lower end to a lever, J, having its fulcrum upon the handle or pole of the implement. The saw-blade K is secured at its upper end to an arm, L, projecting from the upper end of a bar or plate, M, secured to the side of the blade near the rear edge, and the lower end, N, of this plate is widened and formed into a guard, O, which projects over the inner pivoted end of the movable jaw, and into which the pivotal bolt of the jaw passes. The lower end of the blade is secured to an arm, P, projecting from the tang, and this end of the saw is provided with suitable means, Q, for regulating the tension of the blade. By having the handle or arm of the pivoted jaw projecting from the middle of the rear convex edge of the jaw the handle and the operating-lever will not have to be moved in as large an arc as when the handle projects from the outer end of the jaw, as in the former implement described in the hereinbefore-referred-to patent, and the inner end of the jaw will be protected from injury as well as from being clogged up by dirt or pieces of bark by the guard formed by the lower portion of the bar secured to the blade and forming a portion of the saw-frame.

It is desirable to have the saw-frame detachable, as it is liable to be injured on account of its projecting out to the side, and by having it constructed and secured in the hereinbefore-described manner the frame may be removed and repaired when injured, or a new frame may be attached to the blade in its place without affecting the usefulness of the remaining portions of the implement.

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

In a pruning implement, the combination of a blade having a concave chisel-edge at its upper end and a tang and a rigid cutting-jaw at its lower end, a bar secured to the side of the blade near the rear edge and having an arm projecting at its upper end and a guard at its lower end, a saw secured between the arm of the bar and an arm from the tang, and a movable cutter-jaw having a concave edge and piv-

5 oted at its inner end between the blade and the guard at the inner end of the rigid cutting-edge, and having an arm projecting from the middle of the convex rear edge having a suitable connecting-rod and a lever upon the handle of the implement for operating it, as and for the purpose shown and set forth.

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

ROBERT BARTLY.

Witnesses:

LOUIS BRIN,

EUGENE FURSTUEN.