L. B. SNOW.

Pruning Implements.

No. 150,724. Patented May 12, 1874.

FIG. 1.

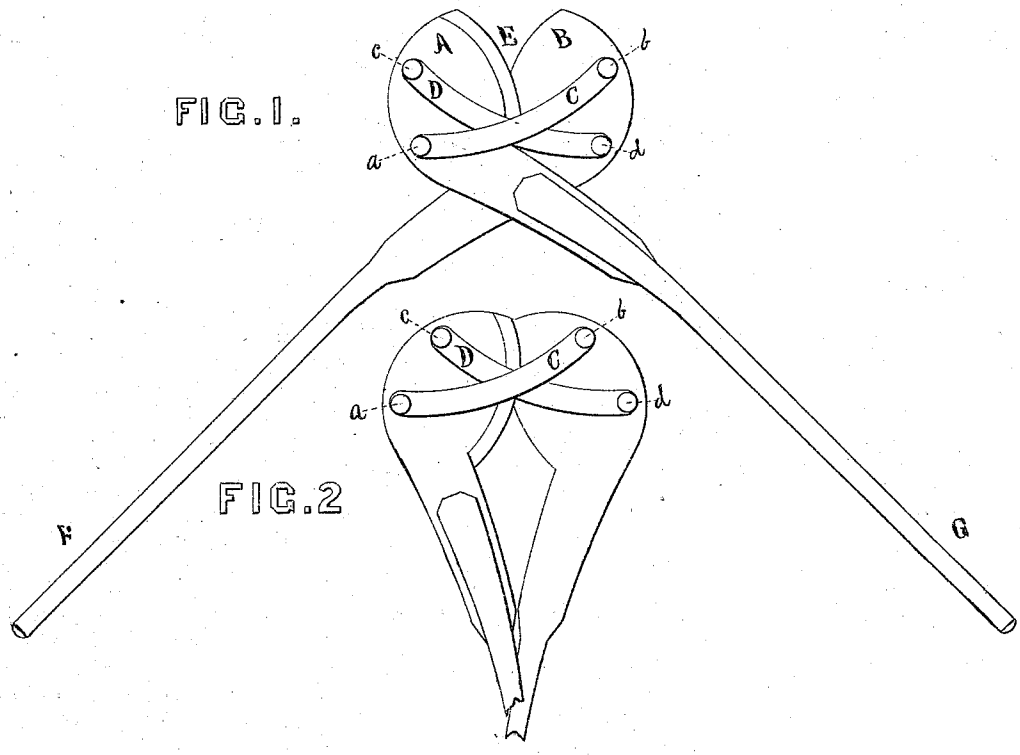

FIG. 2

Witnesses.
Chas. M. Hills
L. P. Hosmer

Inventor.
L. B. Snow.

UNITED STATES PATENT OFFICE.

LEXOR B. SNOW, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO CHARLES W. HILLS, OF SAME PLACE.

IMPROVEMENT IN PRUNING IMPLEMENTS.

Specification forming part of Letters Patent No. **150,724**, dated May 12, 1874; application filed March 21, 1874.

To all whom it may concern:

Be it known that I, LEXOR B. SNOW, of Cleveland, Ohio, have invented a Pruner, of which the following is a specification:

The object of my invention is to lessen labor and economize power in the work of pruning trees or vines; and it consists in a novel use of pivoted braces for connecting together the cutting-blades, as will be hereinafter more fully described.

A description follows sufficiently clear and exact to enable any one skilled in the mechanical arts to construct and operate the device, reference being had to the accompanying drawings.

In Figure 1, A and B are two convex steel cutting-blades, joined by two metallic pivoted braces, C and D, on each side, the braces being curved slightly, so as to allow free motion. To the cutting-blades are attached levers or handles F and G, either of wood or metal, crossing each other like ordinary shear-blades, but moving on four pivots, *a*, *b*, *c*, and *d*, at the extremities of the braces C and D.

Fig. 2 is the reverse view of the device with the blades closed.

The operation of the pruner is as follows: The handles F and G are extended, as in Fig. 1. The cutting-blades A and B are placed against the bough or vine to be cut off, at E. The levers are brought together and the cutting-blades close, as shown in Fig. 2, working on the four pivots with a drawing stroke and increasing force until the bough is severed.

This device overcomes the tendency to slide off from, and obviates the necessity for any contrivance to hold the blades against, the bough, as the stroke is of such a nature as to clasp firmly and retain it until cut off. It acts with powerful and constantly-increasing force, overcoming a difficulty always experienced in cutting with blades working by lever power on one fixed pivot, viz., the necessity for the employment of greatly-increased power near the end of the stroke.

I claim as my invention—

The combination, in a pruning implement, of the convex cutting-blades A and B, working on the four pivots *a*, *b*, *c*, and *d*, and joined by the pivoted braces C and D, in the manner and for the purpose set forth.

LEXOR B. SNOW.

In presence of—
T. D. PECK,
CHAS. W. HILLS.