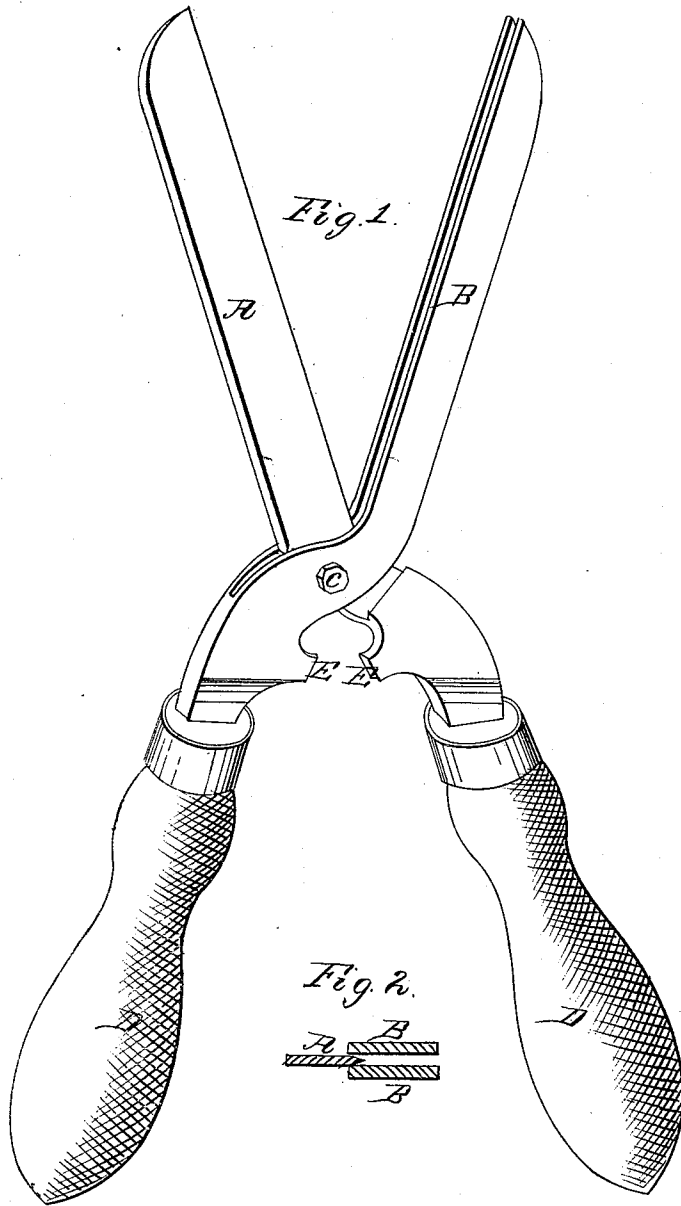


F. BINDER.
HEDGE TRIMMER.

No. 68,280.

Patented Aug. 27, 1867.



Witnesses:

Charles A. Pettit
Jalon C. Kemons

Inventor:

Fred Binder
By *Thun Ho*
Attorneys

United States Patent Office.

FRIEDERICH BINDER, OF BALTIMORE, MARYLAND, ASSIGNOR TO HIMSELF
AND WILLIAM RICHARDSON, OF THE SAME PLACE.

Letters Patent No. 68,280, dated August 27, 1867.

IMPROVEMENT IN HEDGE-TRIMMER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN :

Be it known that I, FRIEDERICH BINDER, of the city and county of Baltimore, and State of Maryland, have invented a new and improved Hedge-Trimmer; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings forming part of this specification, and in which the figure represents a perspective view of my invention.

In this invention the cutting blade is made with a perfectly straight edge, and when closed enters a longitudinal slot in the opposite blade, which is also straight. My improved instrument is shaped very much like a pair of stout shears, both cutting blades having edges perfectly straight. They are not pivoted like a pair of shears, however, one alongside of the other, but one passes through a slot in the other, and is pivoted on a pin which passes through both blades.

In order that others skilled in the art to which my invention appertains may be enabled to make and use the same, I will proceed to describe it in detail.

In the drawings, A represents the single cutting blade, and B the double slotted blade, the slot being longitudinal in the edge of the blade, and passing through from one side to the other. The slotted blade therefore presents two cutting edges parallel to each other, and just far enough apart to allow the cutting edge of the other, the single blade A, to enter it to the depth of an eighth of an inch, or thereabouts. C is the pivot, upon which the blades work, and D are the handles. EE are shoulders, which prevent the blades from closing beyond a certain point.

I have heretofore secured Letters Patent upon an instrument having a slotted blade, with a single blade operating in the slot, for the purpose of pruning vines and other heavy work. In that instrument the cutting blade is convex, and short, like the common eraser used on paper, and the opposite or double blade is highly convex, and is serrated. Such an instrument is useful for simply lopping off branches, as in pruning grapevines, or cutting off the surplus branches from apple trees, &c. For the purpose subserved by the peculiar construction of my trimmer, however, that of trimming hedges, shrubbery, &c., so as to give the shrubs a smooth and beautiful appearance, the convex and concave-bladed instrument is inefficient. Such purpose requires a long straight blade, which is to be worked by handles held in the hand like a pair of tailor's shears. The work has to be done with great care and precision, and often the lines left after trimming are to be perfectly straight, as in trimming hedges with flat tops and straight or flaring sides. For all fine and fancy trimming like this, the straight-edged blades are indispensable, and it is my purpose to combine their advantages with the advantages arising from the use of the slotted blade.

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

The straight-edged single blade A, operating in combination with the straight-edged double or slotted blade B, substantially as and for the purpose described.

FRIEDERICH BINDER.

Witnesses :

JOHN WOLZ,
N. K. ELLSWORTH.