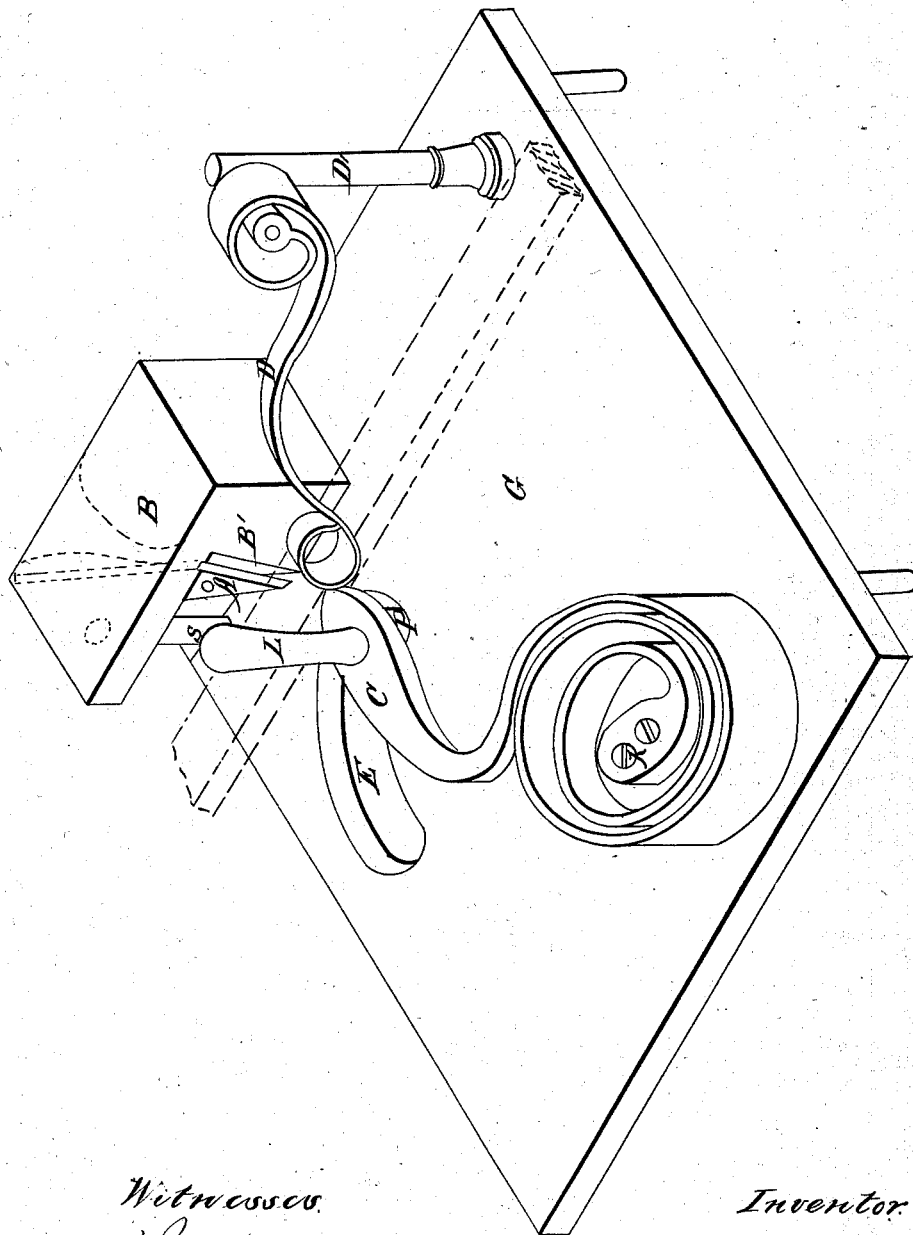


W. L. Hutchinson,
Cutting Leather,
No. 49,110,
Patented Aug. 1, 1865.



Witnesses:
Wm. Grewin
Flew Luseh

Inventor:
Wm. L. Hutchinson

UNITED STATES PATENT OFFICE.

WM. L. HUTCHINSON, OF BURLINGTON, IOWA.

IMPROVED TRACE-TRIMMER.

Specification forming part of Letters Patent No. 49,110, dated August 1, 1865.

To all whom it may concern:

Be it known that I, WILLIAM L. HUTCHINSON, of Burlington, in the county of Des Moines and State of Iowa, have invented a new and Improved Device for Trimming Traces and other Straps; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The drawing is a perspective view of my improvement.

The object of this improvement is to facilitate the trimming or dressing of leather traces and other straps used for harness and other purposes.

This invention consists in the combination of two springs—namely, a lateral and a vertical self-adjusting spring—with an adjustable cutter or knife, the construction being such that on simply drawing the trace or strap between the springs it will be very smooth and rapidly trimmed upon its edges.

Upon a suitable bed-plate or flat board, G, I mount at one side thereof a block, B, having an inclined aperture through the same, shown by dotted lines. Against one side of this aperture, in an inclined position, I place a turning cutter or knife, A, which is secured to and adjusted upon the block B by means of a set-screw, I. The arrangement of the cutter is much the same as that of a plane-iron in a common carpenter's plane. One cover of the block B is removed for the convenient insertion of the cutter, and a supporting pin or post, G S, is inserted at such cover to support the same.

The cutting-edge of the knife is to be adjusted to or from the inner face, B', of the block B, and the said inner face, B', constitutes the guide or rest against which the edge of the trace or strap that is to be cut is pressed.

When the trace or strap C (shown in red) is drawn in the direction of the arrow, the cutter A cuts or turns the edge thereof, and the shav-

ings pass out through the dotted aperture in the block before described. The trace or strap is held against the face B' and upon the board G by means of two springs, C D. The spring C presses laterally against toward the face B', and the spring D presses vertically toward the board G. The spring C consists of a coil-spring, one end of which is secured at K to the board G. The nose or front end of spring C presses against the side edge of the trace and presses the trace into contact with the cutter A and face B'. The free extremity of the spring C is provided with a vertical handle or pin, L, which projects through and below the spring into a slot or cavity, E, in the board G, and the slot E serves to limit, direct, and govern the movement of the spring. P is lower part of the pin L, which occupies the slot. The rear end of the spring D is attached to a vertical standard, D', upon the board G. The front end or nose of the spring D presses vertically toward the board G, so that when a trace or strap is introduced between the nose of spring D and the board the trace will be pressed down upon the board and will be prevented from rising out of place while it is being drawn through in the act of turning.

This device can be used upon any work-bench by having two pins, a a, arranged to project below the board G into two corresponding cavities in the bench; or the device may be fastened in any other suitable manner to the bench.

I do not limit myself to any spiral form of springs or cutters.

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

A device for trimming traces and other straps, constructed and operated substantially as here-in shown and described.

The above specification of my invention signed by me this 5th day of May, A. D. 1865.

WM. L. HUTCHINSON.

Witnesses:

C. MARBLE,

C. WILKIN.