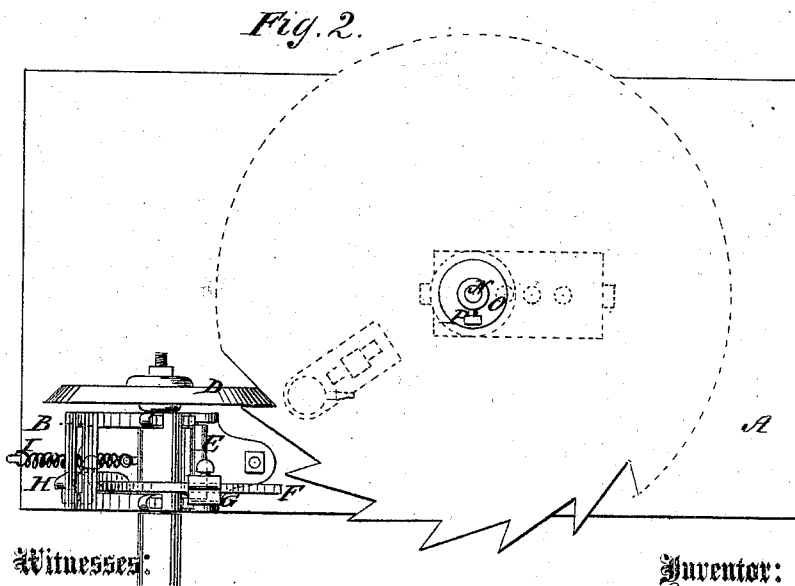
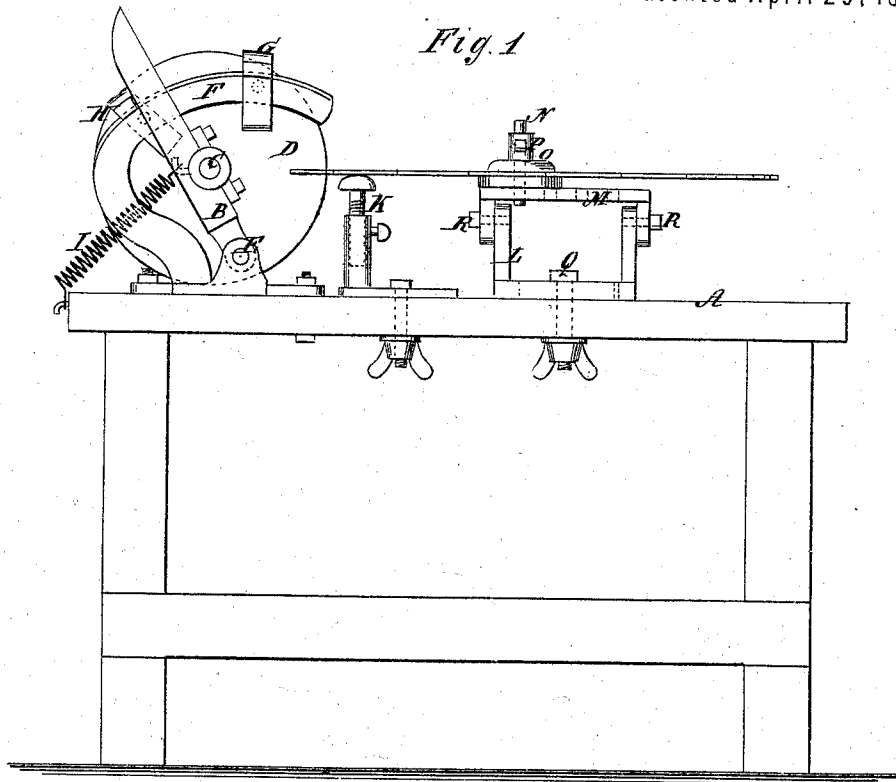


K. WEINBERGER.

Machines for Gumming Saws.

No. 138,354.

Patented April 29, 1873.



Witnesses:

E. Wolff
E. Seaguer

Inventor:

K. Weinberger

PER

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UNITED STATES PATENT OFFICE.

KARL WEINBERGER, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN MACHINES FOR GUMMING SAWS.

Specification forming part of Letters Patent No. **138,354**, dated April 29, 1873; application filed December 31, 1872.

To all whom it may concern:

Be it known that I, KARL WEINBERGER, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and Improved Saw-Gummer, of which the following is a specification:

My invention is an improvement in saw-gummers of the class in which an emery-wheel is mounted on an arbor having its bearings in a pivoted frame, oscillating in a vertical plane to carry said wheel alternately into and out of engagement with the teeth of the saw, which is arranged horizontally, and secured to its support by suitable means or devices. The improvement relates specifically to a curved stationary arm and sliding adjustable stops thereon for limiting the throw or movement of the vibrating frame.

Figure 1 is a side elevation of my improved gummer, and Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

On a bench, A, of any suitable kind I arrange a frame, B, supporting the arbor C of a revolving emery-wheel, D, said frame being pivoted to a bed-plate or other suitable support, at E, and swinging forward and back

along a curved bar, F, whereon stops G H are adjusted and fixed by set-screws or other devices, at any required point to limit and control the vibration of the frame B. A spring, I, is attached to this frame for pulling the emery-wheel back from the saw. In front of the wheel D is a vertically and horizontally adjustable rest, K, for supporting the saw-blade in front of the emery-wheel. A stand, L, supports a table, M, having the center-pin N for the saw, and the clamping-collars O, and binding-screw P for fastening it on the pin. This stand is fastened on the table by a binding-screw and nut, Q, and the table M is pivoted to the stand horizontally by the center screws R, whereby the saw may be adjusted in various positions.

What I claim is—

The sliding or adjustable stops G and H, and the fixed curved bar F, in combination with the vibrating frame B, carrying the arbor C, with emery-wheel D mounted thereon, as and for the purpose specified.

KARL WEINBERGER.

Witnesses:

FREDERICK PREUSSER,
MATHIAS STEIN.