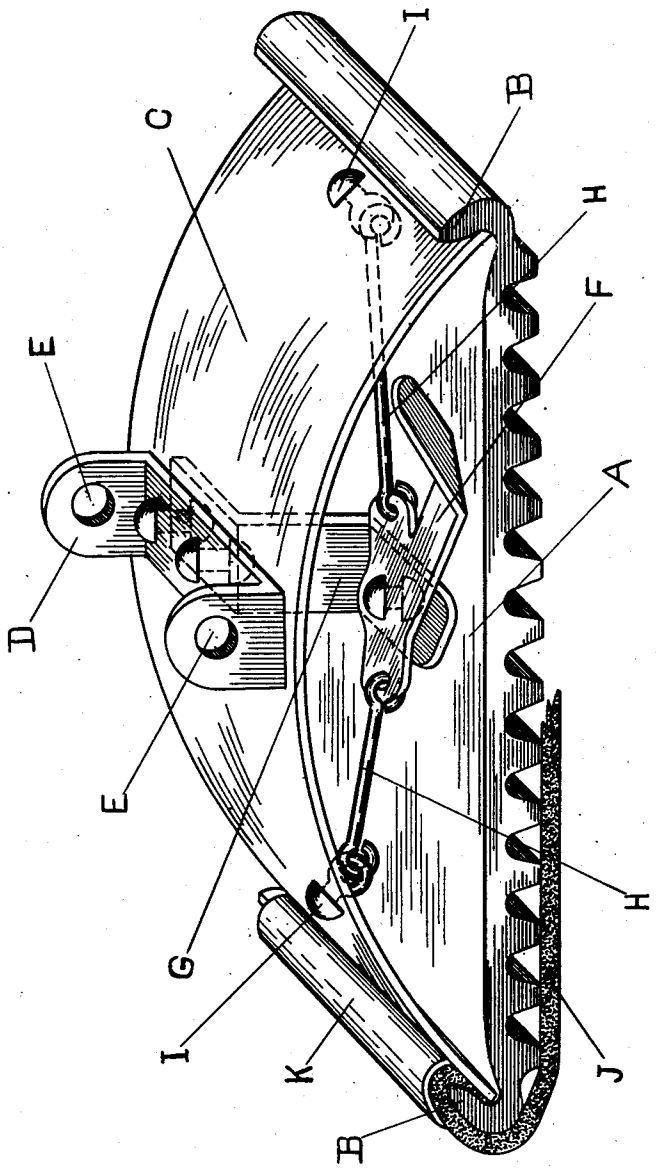
G. A. DENNIS.

COMBINATION FLOOR POLISHING AND SANDPAPERING TOOL.

APPLICATION FILED APR. 17, 1915.

1,175,245. Patented Mar. 14, 1916.



WITNESSES:

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COMBINATION FLOOR POLISHING AND SANDPAPERING TOOL.

1,175,245. Specification of Letters Patent. Patented Mar. 14, 1916.

Application filed April 17, 1915. Serial No. 22,214.

To all whom it may concern:

Be it known that I, GEORGE A. DENNIS, a citizen of the United States, residing at Oakland, in the county of Alameda, State of California, have invented a new and useful Combination Floor Polishing and Sandpapering Tool, of which the following is a specification.

My invention relates to improvements in a floor polishing and surfacing tool, which can be easily and quickly converted into a sand-papering or polishing tool, the construction being such that the sand-paper or polishing cloth can be instantly removed or replaced, also the clamping arrangement admits of a minimum amount of waste of material. I attain these objects by the construction illustrated in the accompanying drawing, in which the figure is a perspective view of the tool in the position ready for use, half of the drawing showing the arrangement when used as a sand-papering or polishing device, the other half showing the tool with sand-paper or polishing cloth removed, which is the case when used as a surfacing tool.

The frame A is a metal casting, having the ends formed in the manner as shown at B—B, and fluted on the bottom surface as shown in the drawing.

C is a spring retainer, the ends of which fit into the grooves forming the channel in back of B. B.

D is a bracket riveted firmly on the top and in the center of the spring retainer C, as shown in the accompanying drawing. The two holes E—E in the turned up portions of D, are used for fastening a suitable handle, in a manner to allow freedom of movement of the tool.

F is a lever, pivoted to the drop bracket G, which in turn is fastened rigidly to the underside of C, substantially as shown.

H—H are two pieces of wire each fastened on their outer ends in an eyelet rivet I—I. These rivets I—I are securely fastened into the center of the ends of C. The inner ends of H—H are fastened in the two ears of the lever F in the manner and as shown in the drawing. The mounting of the lever F, in relation to two pieces of wire H—H, is such, that moving the lever backward or forward will draw in the ends of the spring C, or release same, according to which way the lever is moved.

J is a piece of backing preferably a piece of carpet cut to fit over the under portion of A and sufficiently long to permit bending over the ends of B—B.

K is a piece of sand-paper cut to match backing J.

To assemble the tool first place the carpet or backing in position over frame A, then stretch the sand-paper over the backing, place the spring retainer C in place and release lever F. The tool is now assembled, ready to be used for sand-papering purposes. When the tool is to be used for polishing, remove the sand-paper, but retain the carpet or polishing cloth on the frame A. When the tool is to be used for rough surfacing or scraping, remove the remaining carpet or polishing cloth.

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

In a device of the character described, a frame provided with upturned ends, a spring retainer to engage said upturned ends, a bracket secured to the under side of said retainer, a lever pivoted to said bracket and links connected to said lever and to the outer ends of the spring retainer to expand and contract said retainer.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE A. DENNIS.

Witnesses:
JOS. PAULSON,
DAVE HIRSTEL.