

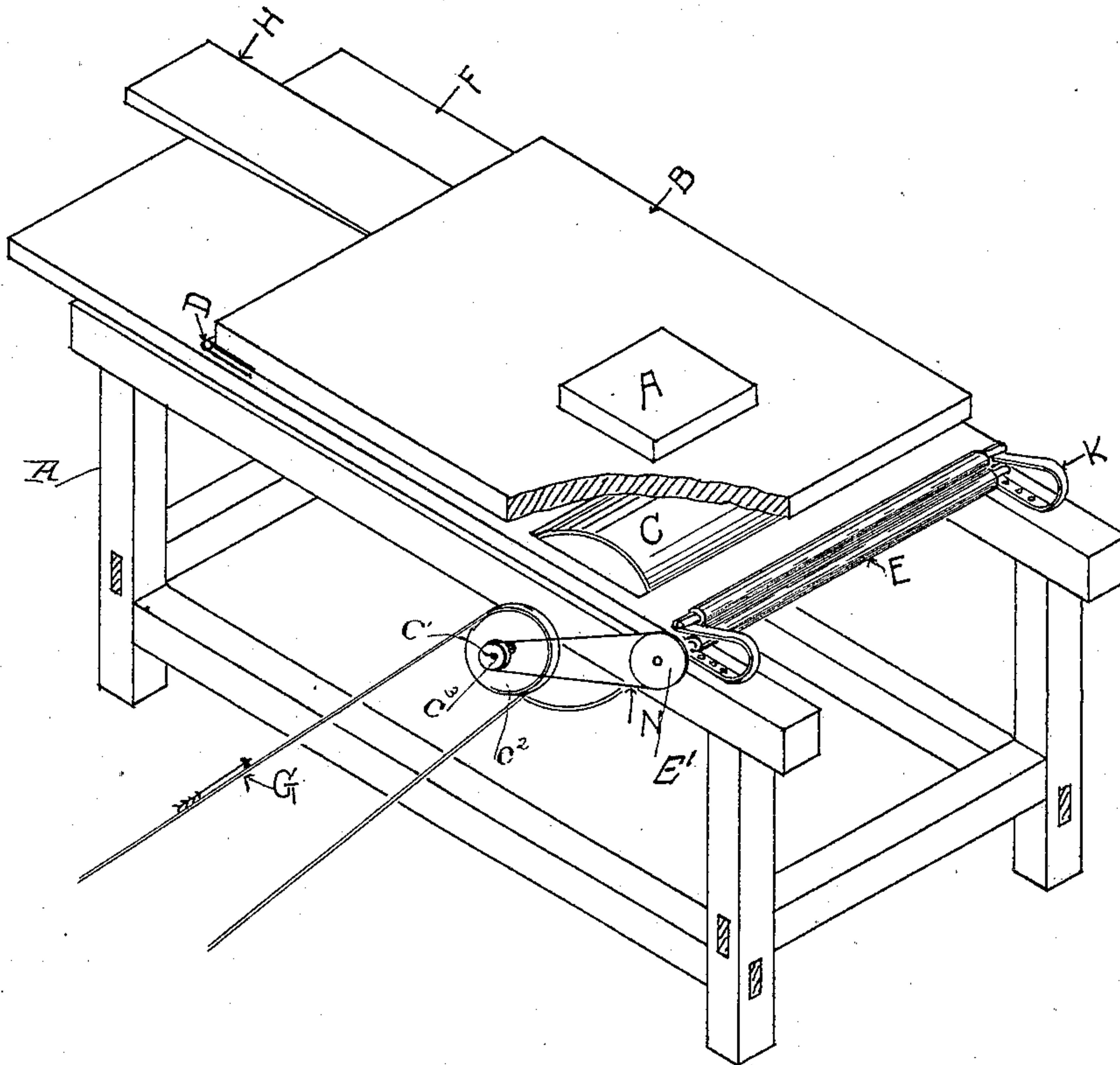
No. 618,724.

Patented Jan. 31, 1899.

A. A. PELTON.
SANDPAPERING MACHINE.

(Application filed Sept. 19, 1898.)

(No Model.)



WITNESSES

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SANDPAPERING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 618,724, dated January 31, 1899.

Application filed September 19, 1898. Serial No. 691,399. (No model.)

To all whom it may concern:

Be it known that I, ABNER A. PELTON, a citizen of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented a new and useful Improvement in Sandpapering-Machines, of which the following is a specification.

This invention relates to new and useful improvements in polishing-machines, and especially to a sandpapering-machine designed to polish plain surfaces; and it consists in the provision of a sandpaper-cylinder mounted in a suitable frame and carrying on its top an adjustable weighted plate and adapted to adjust itself to the tapered surface of a shingle or other article being polished (the machine being especially designed for smoothing shingles) and means for feeding the shingles or other article being smoothed over the sandpapering-cylinder.

A further part of the invention resides in the provision of rubber feeding-rollers which are mounted on the top of the frame and at the ends of spring-yokes, whereby the article as it passes between the rollers is held securely and fed forward by frictional contact resulting from the yielding pressure of the rollers on opposite sides of the article being fed forward.

To these ends and to such others as the invention may pertain the same consists in the novel construction, combination, and adaptation of parts, as will be hereinafter more fully described and then specifically defined in the appended claims.

My invention is clearly illustrated in the accompanying drawing, in which I have shown a perspective view of my machine.

Reference being had to the details of the drawing by letter, R designates the frame of the machine, having a top F, on which is hinged, as at D, the adjusting-plate B. This plate B extends forward over the sandpapering-cylinder C, which is mounted on a shaft C' in the frame. This shaft C' contains a pulley C², which has belted connection G with any supply of power. This roller C extends through the table-top F a slight distance above its upper surface and is adapted to contact with the article H, which is fed through on

the table-top F and under the hinged end of plate B.

In the drawing I have shown the article which is to be polished as tapering and meant to represent a shingle, for which this machine is specially adapted.

Mounted slightly at the rear of the rotating sandpapering-cylinder are the feeding-rollers E, which are covered, preferably, with rubber and are journaled in the ends of the yokes K, which are held to the top of the machine, the under of said rollers E carrying a pulley E', which is adapted to be belted to a small pulley C³ on the shaft C', as shown, whereby as the article being polished is fed over the cylinder C and comes in contact with the rollers the end of said article is caught between the rollers and the article is fed forward. By regulating the speed of the rollers E the article may be fed through the machine at the rate of speed desired. Mounted on the upper face of the plate B is a weight A, provided to normally hold said plate securely down on the upper surface of the inclined article which is being polished. If desired, springs may be substituted for the weight, which would serve the same purpose for which the weight A is provided.

What I claim to be new, and desire to secure by Letters Patent, is—

1. In combination in a polishing-machine, the polishing-cylinder, the hinged adjusting-plate mounted on the top of the machine, a slight distance above said top, and between which and the latter the articles to be polished are fed, and feeding-rollers at the free end of said adjustable plate, whereby the article being polished is drawn through the machine, as set forth.

2. In combination with the frame having the hinged adjusting-plate as set forth, the rubber-covered feeding-rollers mounted in the ends of the spring-yokes and means for driving one of said rollers, as shown and described.

ABNER A. PELTON.

Witnesses:

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