

No. 695,540.

Patented Mar. 18, 1902.

A. R. CORRINGTON.
HOOF TRIMMER.

(Application filed June 4, 1901.)

(No Model.)

Fig. 1.

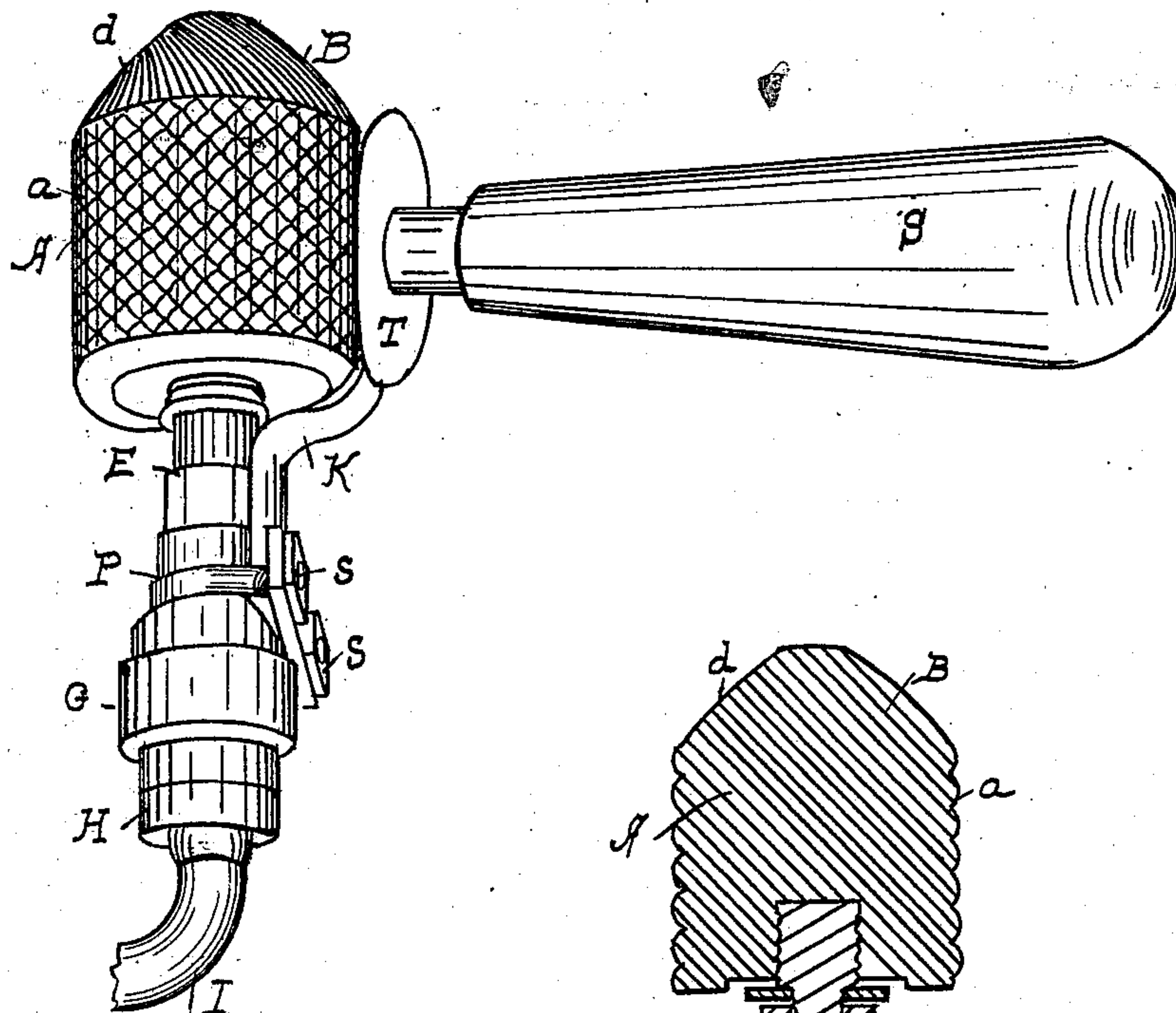
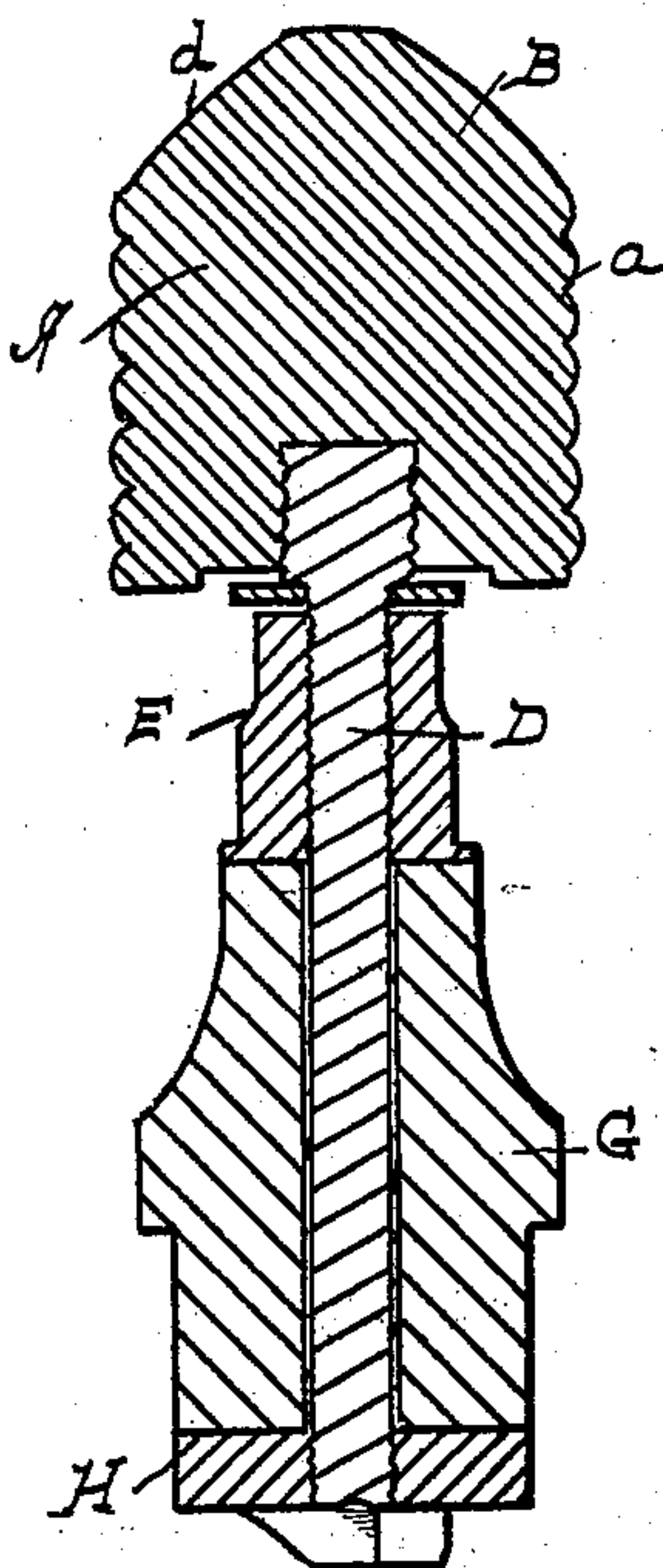


Fig. 2.



WITNESSES:

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HOOF-TRIMMER.

SPECIFICATION forming part of Letters Patent No. 695,540, dated March 18, 1902.

Application filed June 4, 1901. Serial No. 63,086. (No model.)

To all whom it may concern:

Be it known that I, ALDON R. CORRINGTON, a citizen of the United States, and a resident of Meriden, in the county of Cherokee and State of Iowa, have invented certain new and useful Improvements in Hoof-Trimmers; and I do hereby declare the following to be a full, clear, and exact description of the invention, which will enable others skilled in the art to 10 which it appertains to make and use the same.

My invention relates to hoof-trimmers, and has special reference to such as are used by farriers for the trimming or paring of the hoofs of horses; and one of the objects is to 15 provide a rotary rasp which shall be adapted to be conveniently used on the different parts of the hoofs of animals.

Another object is to provide means for holding and operating the rasp whereby it may 20 be conveniently turned in various directions to operate on different parts of the hoof and operate under such pressure and in such position as desired.

My invention consists of a rotatable shaft 25 having a cylindrical rasp rigidly secured thereto, the end of which terminates in a cone provided with file-teeth for polishing or brushing purposes, a sleeve loosely mounted upon the shaft, and a handle provided with a lateral arm which is detachably clamped to the 30 sleeve, so that the handle will extend at right angles from the side of the rasp and enable the farrier to maintain a good purchase and conveniently operate the trimmer at any angle 35 to the hoof.

The following specification, taken in connection with the drawings, will point out clearly the mode of construction and operation whereby I accomplish the foregoing objects with 40 others of minor importance.

Figure 1 represents a perspective of my invention; and Fig. 2 is a longitudinal section of the rasp, shaft, and grip.

Like letters of reference denote corresponding parts in all the figures.

Referring to the drawings, A represents the body of the rasp, which is of cylindrical shape and terminating at one end in the cone B. This roller A is supplied with coarse rasp-teeth *a*, preferably set in longitudinal rows, 50 and the cone B is supplied with finer file-teeth *d*, preferably consisting of sharpened

ribs running from the base of the cone to the top. The end of the rasp opposite from the cone B is flat and supplied with a hole in 55 which is fastened the core-shaft D. Around the core-shaft next to the rasp A is rigidly fixed upon the shaft a shoulder E. This shoulder E may be screw-threaded upon the shaft D and the shaft screwed into the roller 60 A. Next to the shoulder E upon the shaft D is the sleeve G, which loosely surrounds the shaft D, and next to the sleeve upon the shaft is attached a clutch H. This clutch is rigidly fastened upon the shaft and with the 65 shoulder E prevents the sleeve G from moving longitudinally on the shaft. To the outer end of the shaft D is attached a flexible shaft I, which is connected with power and by which the core-shaft D, together with the rasp, is 70 rotated. Upon the sleeve G is fastened an arm K by a clamp P, which encircles the sleeve G and is rigidly held upon the grip by the screws *s*. To the arm K is rigidly secured a handle S, which extends out at right angles 75 to the roller and is supplied with a guard T for the purpose of protecting the hand and to aid in controlling the pressure upon the roller by the handle. The arm K is secured 80 to the inner end of the handle and projects laterally therefrom into engagement with the sleeve, upon which it is detachably secured by the clamp P.

The mode of operating my invention will be readily understood and is substantially as 85 follows: Power is applied to the flexible shaft I, and this rotates the core-shaft D and with it the rasp A. The operator grasps the handle S, and as the shaft I is flexible he can twist the roller A in any direction he chooses 90 and accommodate it to the irregularities of the hoof of the horse or for other purposes. It will be seen that by means of the separate handle attached as described the farrier has the rasp always under control and can change 95 its position to adapt it to meet all emergencies and can also vary and control the pressure with great accuracy, even when used in different positions, whether he grasps the handle with the thumb and forefinger against the 100 guard or the opposite side of the hand against the guard, and this, too, without danger of injury to the hand.

Having now described my invention, what

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

1. In a hoof-trimmer, a rotatable shaft having a cylindrical rasp rigidly secured thereto, the end of which terminates in a cone provided with file-teeth, a sleeve loosely mounted upon the rotatable shaft, combined with a handle detachably clamped to the sleeve and extending outwardly and at right angles to the side of the rasp, substantially as set forth.

2. In a hoof-trimmer, a rotatable shaft having a cylindrical rasp rigidly secured thereto, said rasp terminating in a cone provided with fine file-teeth, a sleeve loosely mounted upon the shaft, means mounted on the shaft at

each end of the sleeve to prevent longitudinal movement of the latter, combined with a detachable handle extending at right angles to the sides of the rasp and provided with a guard and a laterally-extended arm at its inner end, and a clamp upon the sleeve to engage said arm, substantially as described.

In testimony whereof I have hereunto signed my name in the presence of two witnesses.

ALDON R. CORRINGTON.

Witnesses:

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WALLACE V. ANDREWS.