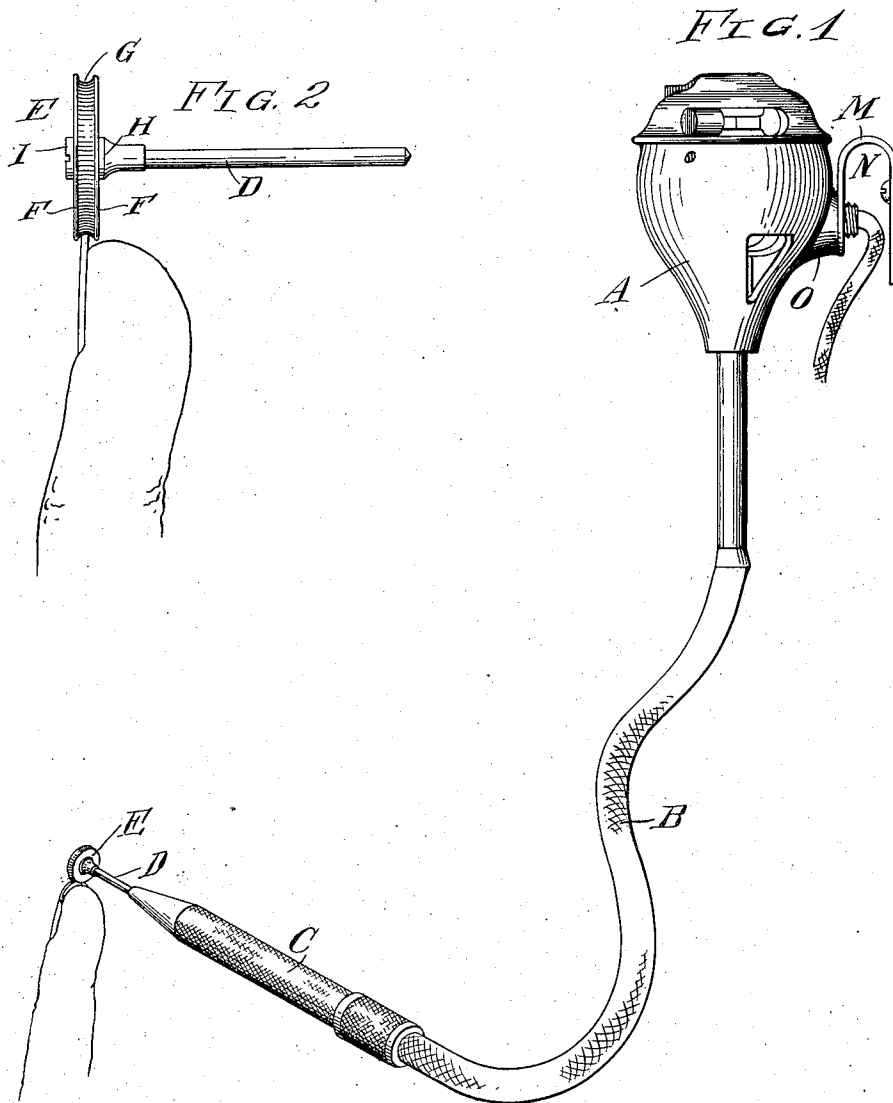


H. W. DURKEE.
MANICURING DEVICE.
APPLICATION FILED APR. 17, 1908.

938,227.

Patented Oct. 26, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HARRY W. DURKEE, OF CLEVELAND, OHIO.

MANICURING DEVICE.

938,227.

Specification of Letters Patent.

Patented Oct. 26, 1909.

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To all whom it may concern:

Be it known that I, HARRY W. DURKEE, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Manicuring Devices, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

This invention relates to manicuring devices and has particular reference to a device of this character that is power-driven through a flexible shaft from any suitable source of power, such as an electric motor.

The object of the invention is to produce a manicuring instrument which shall be rapid in operation, which shall be safe in use, and which shall be economical in construction and easy of control.

In the accompanying drawing forming a part of this application, Figure 1 is a general view showing an electric motor and a flexible shaft to which is attached the disk file; Fig. 2 is a view on an enlarged scale showing the disk file when in use but detached from the shaft.

Taking up a detailed description of the invention by reference to the drawings, in which the same reference characters designate the same parts throughout the several views, A represents an electric motor, B a flexible shaft driven by said motor and C a clutch that is attached to the shaft B and that is adapted to receive the manicuring instruments illustrated in Figs. 2, 3 and 4. While I have elected to show an electric motor for driving the shaft, it will be understood that any suitable form of device for this purpose may be employed instead. The shaft B and clutch C are of the usual type employed in dentist's instruments, so that a detailed illustration and description of these parts is not deemed necessary for a proper understanding of my invention.

In a complete manicuring set it is of course necessary to have a device for trimming the nails; and, in my invention, this is accomplished by means of the disk file that is shown in Fig. 2. This file consists of the shank D, which is adapted to extend into the clutch so as to be driven thereby, and the disk E that is secured to the end of

the shank in any suitable manner. This disk has at its sides plain flanged portions F, between which is the file portion G, the flanges F projecting beyond the file portion so as to prevent injury to the user in case the disk should accidentally slip when in use. As will be seen from Fig. 2, the file portion G extends entirely across between the flange portions, but the latter are provided with plain circumferential edges. Preferably, the shank D has a collar or enlargement H adjacent the file, and a headed screw I passes through the disk into the axis of the shank and collar for holding the disk in position and for maintaining the same centrally located with respect to the shank.

In the operation of my invention, the rapidly rotating file is applied to the nails, which are quickly trimmed thereby to the desired length.

As stated, any suitable form of driving means may be employed; but I prefer to use a portable motor, as shown in Fig. 1. This motor has a hook or clip M attached to it, by means of which it may be attached to or suspended from a wall or any other suitable support. The clip may be secured to the motor in any suitable manner, as by screwing it on to a threaded member N that projects from a boss O on the motor casing.

Having described my invention, I claim:

1. A manicuring file made in the form of a disk having plain side flanges between which on the periphery of the disk the file is formed, and means for rotating said file.

2. A manicuring file comprising a pair of flanged portions each having a smooth periphery and a file proper extending between the flanged portions, and means whereby the file may be rotated.

3. A manicuring file comprising a disk, said disk being provided with peripheral ridges forming an abrading surface, a smooth protecting member on each side of said abrading surface, and means whereby said file may be rotated.

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

HARRY W. DURKEE.

Witnesses:

J. B. HULL,
A. J. HUDSON.