

J. F. BYRNES.
MANICURE FILE.
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1,059,927.

Patented Apr. 22, 1913.

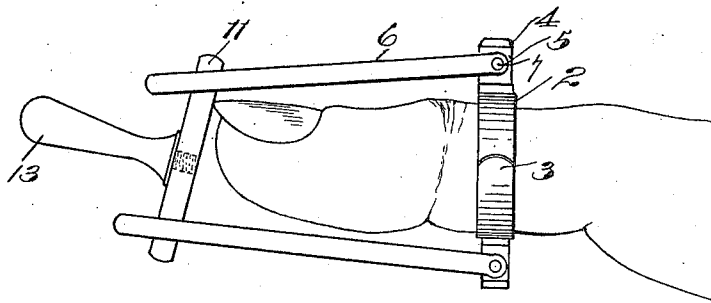


Fig. 1.

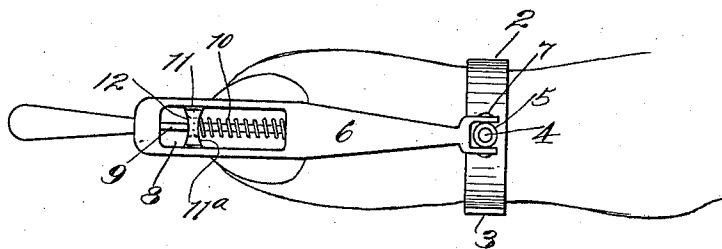


Fig. 2.

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UNITED STATES PATENT OFFICE.

JOHN F. BYRNES, OF SAN FRANCISCO, CALIFORNIA.

MANICURE-FILE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN F. BYRNES, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Manicure-Files, of which the following is a specification.

This invention relates to manicure devices, and particularly to a file for manicuring the finger-nails.

The object of the present invention is to provide a simple, efficient device, which is readily adjustable to fingers of different sizes, so that the file may be oscillated across the edge of the finger-nail for abrading and shaping the same.

The invention consists of the parts and the construction and combination of parts as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a side elevation of the manicure file. Fig. 2 is a plan view of the same as applied.

In its illustrated embodiment, the invention comprises a ring 2, or other equivalent device, adapted to encompass a finger at some convenient distance from the end of the finger; the ring 2 in the present instance being shown as having overlapping ends 3 and made of such material as will yield or contract to fit fingers of divers proportions.

Projecting diametrically from the ring 2 are pins or trunnions 4, upon which are mounted sleeves 5, loosely turnable upon the trunnions 4. Pivoted upon the sleeves 5 for free, oscillating movement are arms or bars 6; these being mounted upon pivots 7 projecting from the sides of the sleeves 5. The arms 6 project freely to one side of the ring 2; the outer portions of the arms being slotted, as at 8. Extending between the walls of the slots are pins 9 surrounded partly by springs 10 reacting at one end against the end wall of the slots 8, and the outer ends of the springs bearing upon a file 11 which is perforated adjacent to its ends, as at 12, so as to ride freely upon the pins 9. The file 11 is preferably concaved, as at 11^a, on its surfaces, so that it will cover a considerable portion of the finger-nail

during its operation over the same. The function of the springs 10 is to thrust the file 11 away from the ring 2, and in operation a person, when manicuring the nails, forces the file 11 inwardly to compress the springs 10 until the file 11 contacts with the edge of the finger-nail; the file being provided with a suitable handle 13 whereby it may be readily controlled not only in its motion to compress the springs 10 by which it is forced against the edge of the finger-nail, but by means of the handle 13 the file with its bearing arms 6 may be oscillated about the fulcrums 4 of the ring 2. Meanwhile, the file 11 is pressed firmly against the edge of the nail, and by the oscillating movement of the arms 6 the nail will be manicured; the desired curvature being given to the nail by the operator according to the pressure and period of time with which the file is held against the edge of the nail at different portions.

Manifestly the file may be mounted in various ways and suitably connected to the ring 2, which has for its principal function the supporting of the fulcrumed ends of the arms 6 on the finger, while the outer ends of the arms 6 with the file 11 may be oscillated as desired.

The device is equally applicable to each of the fingers on either of the hands and may be readily applied to fingers of various proportions, both as to their length and to their circumference; the split ring 2 being sufficiently yieldable to expand or contract to fit divers fingers, and the springs 10 which normally thrust the file 11 outwardly may be compressed by the operator as desired to shape the nail.

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

1. In a manicure file, the combination of a ring applicable to a finger, a file extendable over the end of the finger, means for supporting the file from the ring so that the file may move across the end of the finger, and means for holding the file in abrading contact with the nail.

2. In a manicure file, the combination of a ring adjustable to fingers of various sizes, a file, means connected with the ring for

supporting the file, and means by which the file may be moved along the edge of the nail.

3. In a manicure file, the combination of
5 a clamp applicable to a finger, arms pivotally connected with the clamp, a file carried by the arm, and means to press the file normally into abrading contact with the nail.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN F. BYRNES.

Witnesses:

DAN O'CALLAGHAN,
E. G. McSHANE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."