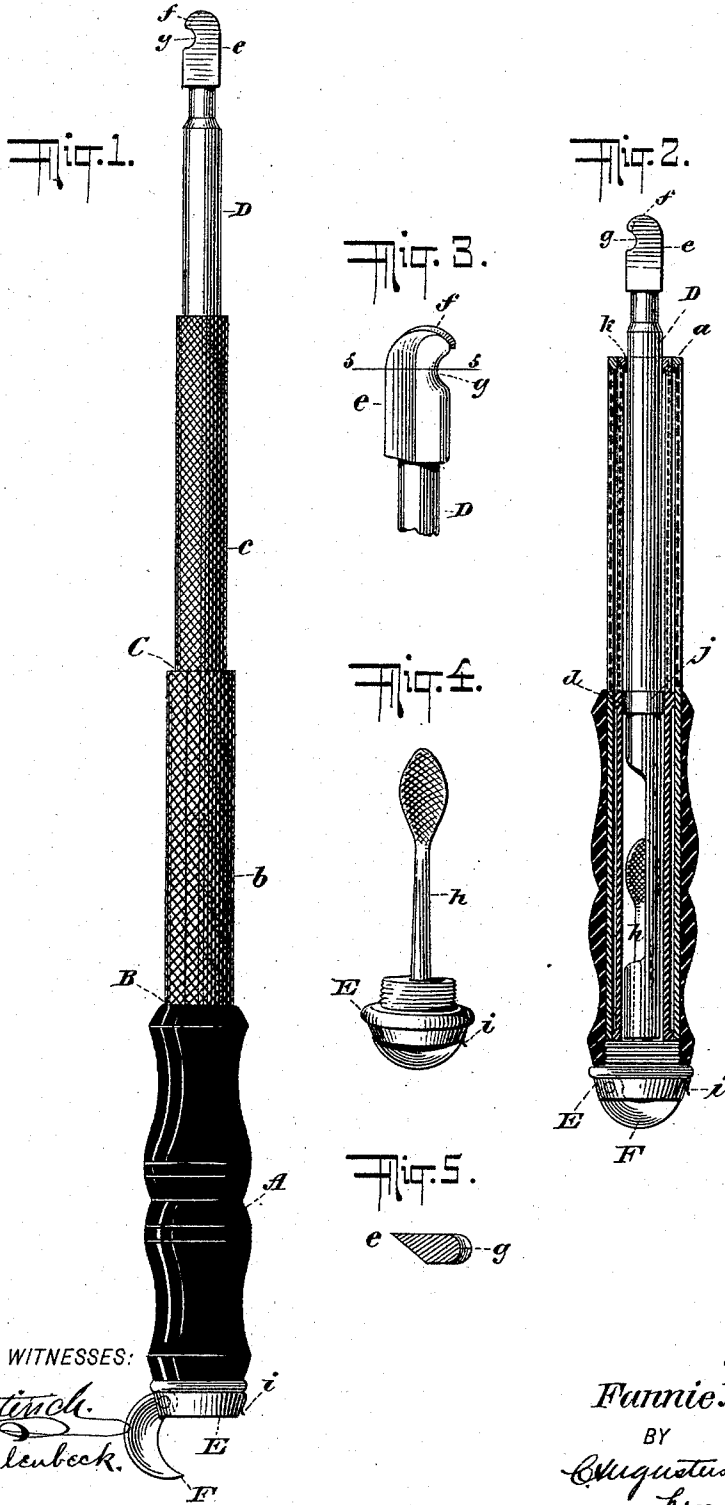


(No Model.)

F. M. GARIES.
INSTRUMENT FOR CHIROPODIST'S USE.

No. 527,240.

Patented Oct. 9, 1894.



WITNESSES:

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FANNIE M. GARIES, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
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INSTRUMENT FOR CHIROPODISTS' USE.

SPECIFICATION forming part of Letters Patent No. 527,240, dated October 9, 1894.

Application filed June 22, 1894. Serial No. 515,365. (No model.)

To all whom it may concern:

Be it known that I, FANNIE M. GARIES, a subject of the Queen of Great Britain, and a resident of the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Instruments for Chiropodists' Use, of which the following is a specification.

My invention relates to certain new and useful improvements in instruments for chiropodists' use, and has for its object to produce an instrument of simple construction, compact form and convenient to handle when in use.

My invention consists in the combination, connection and arrangement of parts hereinafter more fully set forth.

In the accompanying drawings, forming part of this specification, wherein like letters indicate like parts, Figure 1, is a side view of my improved instrument, showing the same with its various parts extended or drawn out. Fig. 2, is a vertical section thereof, showing the same telescoped. Fig. 3, is an enlarged detail view showing the combined knife and burnisher. Fig. 4, is an enlarged detail view of a differently shaped corn eradicator fitted into the hollow handle of the instrument; the particular function of which will be hereinafter more fully set forth, and Fig. 5, is a detail sectional view of the combined knife and burnisher, the same being taken on the line 5-5, Fig. 3.

In the accompanying drawings A designates the hollow handle into which is securely fitted a metal tube B, the projecting end of which is provided with a reducing surface *b*, said reducing surface being produced by puncturing the metal from the inside, or by otherwise roughening it upon its outer surface. Upon the inner surface of the projecting end of said tube B is a shoulder *a* adapted to engage with a collar *d* secured to the outer surface of the tube C, the exposed portion of which is likewise provided with a reducing surface *c*, formed in a like manner but of a different degree of coarseness from that upon tube B. Within the tube C is a solid stem D having a collar *j* adapted to strike against a shoulder *k* on the inner surface of the tube C, the projecting end of which forms a com-

binated cutting edge and burnishing device, said combined cutting edge and burnishing device consisting of a solid head piece having a beveled cutting edge *e* on one side thereof, a rounded end portion having a V-shaped groove *f*, and a rounded semi-circular indentation *g* in the side opposite to the cutting edge.

Into the lower part of the hollow handle A fits a screw plug E having a stem *h* secured thereto and flattened at its free end and provided with reducing surfaces of different degrees of coarseness; said surfaces being produced by roughening the outer surfaces of said flat portion.

The exposed portion of the screw plug E is recessed to receive a flat spring (not seen) and a semi-circular folding knife blade F, said blade being held in its folded position by means of a spring *i*.

When the user desires to eradicate a corn or other callous formation on the feet the same may, if it be very pronounced, be first partly removed with the semi-circular knife F or with the beveled knife on the stem D, according to whichever may be best adapted for the purpose, and then finally remove the same entirely by the use of the tubular reducing surfaces B and C. It is to be observed that in these reducing surfaces the circular form is an essential feature in that it enables the user to puff up the callous growth between the fingers and enable him to secure just enough of the circular reducing surface to work upon the growth without injuring or bruising the skin surrounding the callous growth, or that of the fingers. Where the corn is situated between the toes the flat reducing surfaces on the stem *h*, may be used to better advantage.

It is to be observed that the reducing surfaces on the instrument are of different degrees of coarseness, the object being to have at all times a surface specially adapted for very hard growths and others for the softer ones.

The knife edge on the stem D as well as the semi-circular blade F are also adapted for use in removing ingrowing nails, and the burnishers for smoothing the same after being trimmed with the knives.

Having thus described my invention, what

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

1. In an instrument for the purposes described, a device for trimming and burnishing the nails consisting of a handle portion having a beveled cutting edge, a rounded end portion having a V-shaped groove, and a rounded semi-circular indentation in the side thereof and opposite to the cutting edge, substantially as and for the purposes set forth.

2. As a new article of manufacture, an instrument for the purposes described consisting of a hollow handle, a series of tubes telescopically arranged and adapted to fit within said handle, having reducing surfaces of different degrees of coarseness, a stem fitting within said tubes terminating in a solid head piece having a beveled cutting edge, a rounded

end portion having a V-shaped groove, and a rounded semi-circular indentation in the side thereof and opposite to the cutting edge, a screw plug adapted to fit into the hollow handle having a stem, integral therewith, provided with flat reducing surfaces of different degrees of coarseness, and a recess extending across the outer portion of said screw plug adapted to receive a folding semi-circular knife blade, substantially as specified.

Signed at the city of New York, in the county of New York and State of New York, this 21st day of June, A. D. 1894.

FANNIE M. GARIES.

Witnesses:

GUSTAVE DIETERICH,
JOHN KEHLENBECK.