

H. E. DAVIS.  
FINGER NAIL BUFFER.  
APPLICATION FILED APR. 10, 1920.

1,416,619.

Patented May 16, 1922.

Fig. 1.

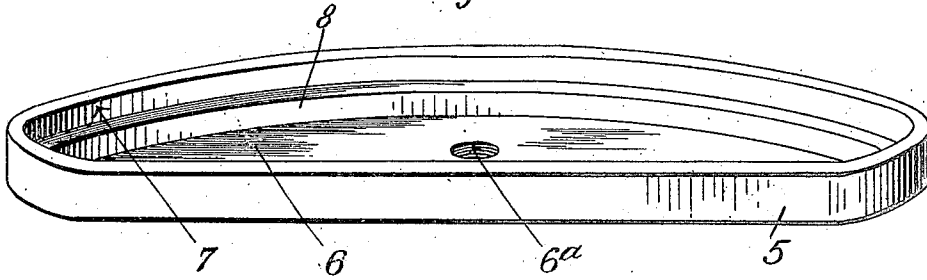


Fig. 2.

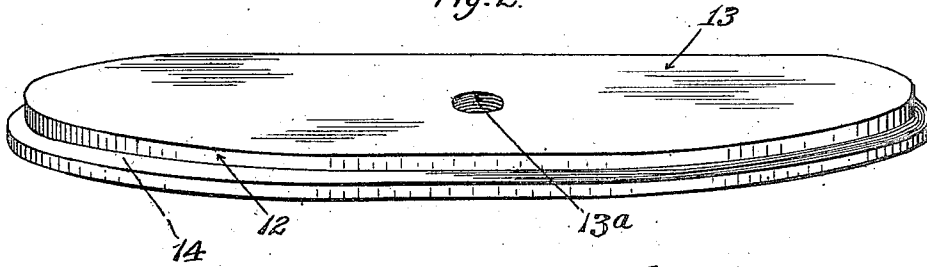


Fig. 5.

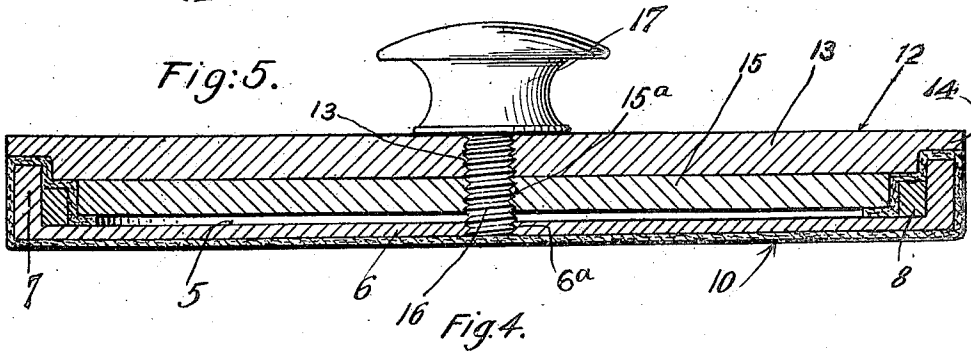


Fig. 4.

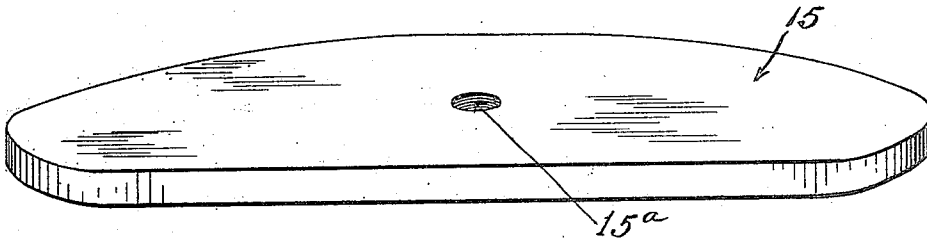
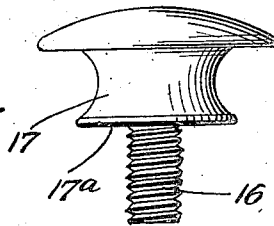


Fig. 3.



INVENTOR.

Henry E. Davis

# UNITED STATES PATENT OFFICE.

HENRY E. DAVIS, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO C. J. BATES & SON, OF CHESTER, CONNECTICUT, A FIRM COMPOSED OF CARLTON J. BATES AND HAMILTON C. BATES.

## FINGER-NAIL BUFFER.

1,416,619.

Specification of Letters Patent. Patented May 16, 1922.

Application filed April 10, 1920. Serial No. 372,979.

*To all whom it may concern:*

Be it known that I, HENRY E. DAVIS, a citizen of the United States, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Finger-Nail Buffers, of which the following is a specification.

My invention relates to improvements in finger nail buffers, and has for its object to provide a device of this character which is simple and durable in construction, attractive in appearance, reliable in operation and easy and inexpensive to manufacture, which may be readily and easily assembled and disassembled to renew or tighten the buffing or covering material and which is adapted in assembly to efficiently grip the covering material and retain it taut and in proper position on the buffing surface.

Other objects and advantages of the invention reside in certain novel features of construction, combination and arrangement of parts which will be hereinafter more fully described and particularly pointed out in the appended claims, reference being had to the accompanying drawings forming part of this specification, and in which:

Figure 1 is a detail perspective view of the frame of the buffer;

Figure 2 is a similar view of the combined cover and clamp inverted;

Figure 3 is a detail view of the handle and screw;

Figure 4 is a perspective view of the filler block; and

Figure 5 is a view in longitudinal vertical section of the buffer in assembly.

Referring to the drawings wherein for the sake of illustration is shown the preferred embodiment of the invention, the numeral 5 designates generally a frame, preferably of metal, and which includes a base 6 and an upstanding marginal flange 7. A band 8 of metal is arranged within the frame against the marginal flange and is co-extensive therewith whereby said band and said marginal flange presents steps. The band 8 also functions as a reinforcing element for the frame.

Buffing fabric or covering 10 is arranged to extend around the entire exterior of the frame and underlies the bottom and extends around the marginal flange and over the top thereof so as to also extend for a sub-

stantial distance within the interior of the frame overlying the steps presented by the band and flange and also overlying the bottom of the frame for a substantial distance as clearly shown in Figures 5.

A combined cover and clamp designated generally at 12 and preferably constructed of wood is provided. It includes a body portion 13 adapted to fit within the frame so that the marginal edge of its undersurface rests or seats upon the band 8. The body portion is of such thickness as to extend for a distance above the top of the upstanding flange 7 and the peripheral edge thereof above this top is provided with a laterally extending flange 14 which overlies the top of the upstanding flange 7. The peripheral face of the laterally extending flange 14 is coincident with the peripheral face of the upstanding flange 7. It is obvious that when the buffing fabric is assembled as shown in Figure 5 that both the marginal edge of the body portion 13 and the flange 14 engage and coact with the steps presented by the band 8 and upstanding flange 7 respectively to retain it in proper position. The body portion 13 is so fitted within the frame as to frictionally engage the buffing fabric between its peripheral face and the inner parallel face of the upstanding flange and thus tauten the fabric during the assembly.

A filler block 15 of wood or other suitable material is preferably arranged within the frame and is disposed between the bottom thereof and the bottom portion 13 of the combined top and clamp. When the filler block is employed it also engages the buffing fabric as shown in Figure 5 and it is so fitted within the band 8 as to frictionally engage the buffing fabric.

The bottom 6 of the frame, the filler block 15 and the body portion 13 of the combined top and clamp are provided with centrally disposed and alined threaded openings designated at 6<sup>a</sup>, 15<sup>a</sup> and 13<sup>a</sup>, respectively. A machine screw 16 is engaged with the walls of these threaded openings and carries at its upper end a head 17 formed to constitute a handle and having its under face 17<sup>a</sup> flat and adapted to abut the top of the body portion 13 whereby when said handle is turned and the screw is engaged with the threaded openings, the screw will be effective to draw the top and clamp against the

frame and compress the filler block so as to complete the assembly and tighten and retain the buffing fabric as described.

In practice, it will be seen that whenever the buffing surface of the buffing fabric has been stretched or loosened in any manner it may be readily tautened by unscrewing the handle and the machine screw which it carries, taking off the combined top and clamp and taking out the filler block and then repositioning the fabric, and replacing the filler block, the combined top and clamp and the machine screw so as to draw or tauten the fabric and effectively retain it in position when the screw is turned home. In a similar manner the buffing fabric may be replaced by a new buffing fabric whenever desired.

I claim:

1. In a device of the character described, a metal frame comprising a base and an up-standing marginal flange, a band arranged within said frame against said marginal flange and co-extensive therewith whereby said flange and said band present steps, buffing fabric surrounding the frame and overlying the steps thereof, a combined cover and clamp including a body portion receivable in said frame and having its marginal edge adapted to engage the buffer cloth overlying the band and having a laterally extending flange engageable with the up-standing flange, a filler block arranged between the base and the body portion, said base, said body portion and said filler block having alined openings, a machine screw having threaded engagement with the walls of said openings and a handle for operating said machine screw and manipulating said device.

2. In a device of the character described, a metal frame comprising a base and an up-standing marginal flange, a band arranged within said frame against said marginal flange and co-extensive therewith whereby said flange and said band present steps, buffing fabric surrounding the frame and overlying the steps thereof, a combined cover and clamp including a body portion receivable in said frame and having its marginal edge adapted to engage the buffer cloth overlying the band and having a laterally extending flange engageable with the buffer cloth overlying the top of the up-standing flange, said base and combined cover and clamp having alined openings, a machine screw having threaded engagement with the walls of said openings and a handle for operating said machine screw and manipulating said device.

3. In a device of the character described, a frame, a band in said frame, said frame and said band presenting steps, buffing fabric surrounding the frame and overlying the steps thereof, a combined cover and clamp receivable in said frame and compressing the fabric against the steps, a machine screw operatively engaged with the frame and with the combined cover and clamp and a head carried by the machine screw and engageable with the combined cover and clamp and formed to constitute a handle.

4. A manicure buffer, comprising a shell, a sheet of buffing material folded around said shell and having its edges tucked into the shell, combined with a back provided with a block adapted to enter said shell and hold the buffing-sheet in place.

HENRY E. DAVIS.