D. A. TRIPP.

LEAF RING.

APPLICATION FILED APR. 10, 1917.

1,285,473.

Patented Nov. 19, 1918.

Fig. 1

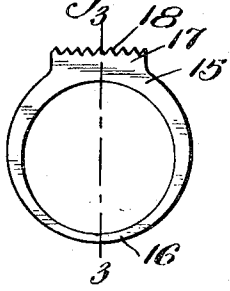


Fig. 2.

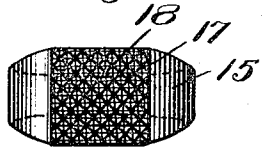


Fig. 3.

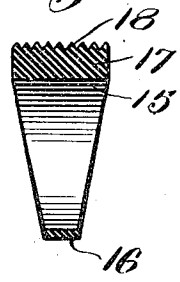


Fig. 4.

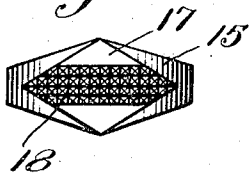


Fig. 5.

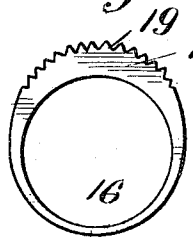


Fig. 6.



Fig. 7.

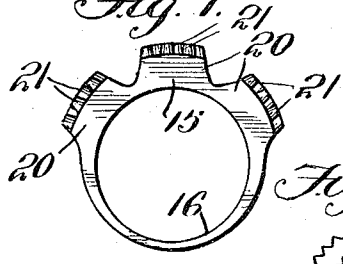


Fig. 8.

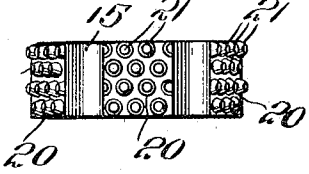


Fig. 11.

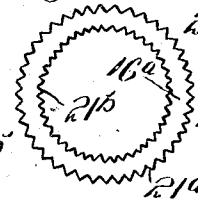


Fig. 9.

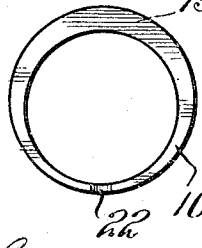


Fig. 10.

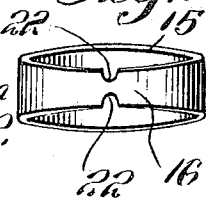
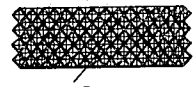


Fig. 12.



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UNITED STATES PATENT OFFICE.

DAVID A. TRIPP, OF BARBERTON, OHIO.

LEAF-RING.

1,285,473. Specification of Letters Patent. Patented Nov. 19, 1918.

Application filed April 10, 1917. Serial No. 161,070.

To all whom it may concern:

Be it known that I, DAVID A. TRIPP, a citizen of the United States, residing at Barberton, in the county of Summit and State of Ohio, have invented new and useful Improvements in Leaf-Rings, of which the following is a specification.

This invention relates to an improved finger attachment, the same being in the nature of a ring which will be found useful to bankers, bookkeepers, and business men in general, for the purpose of separating papers, as in turning the leaves of books, in counting money, and for a variety of purposes which will readily suggest themselves, the purpose being to avoid the moistening of the finger tip with the tip of the tongue or by the use of a moistening sponge which is more or less unclean and unsanitary.

The invention has for its object to produce a simple and efficient finger attachment consisting in its preferred form of a ring made of rubber or of a suitable composition containing rubber, by molding said ring in proper form and providing a portion of the surface thereof, or its entire external surface if preferred, with projections or corrugations adapted for engagement with the leaves of papers that are to be handled.

A further object of the invention is to provide a simple and efficient finger encircling ring, of elastic material, which will readily adapt itself to fingers of different sizes, said ring having a roughened paper engaging surface.

A further object of the invention is to produce a simple and efficient ring of the character described having a relatively thick portion provided with a roughened surface and a relatively thin portion which is reduced to increase the elastic properties thereof, enabling a ring of a given size to be securely fitted on fingers of various dimensions.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claim.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claim may be resorted to when desired.

In the drawing,

Figure 1 is a plan view showing a simple and preferred form of the invention.

Fig. 2 is a side elevation of the same.

Fig. 3 is a transverse sectional view taken on the line 3—3 in Fig. 1.

Fig. 4 is a side view of a ring of a somewhat different design.

Fig. 5 is a plan view illustrating a modified form of the invention.

Fig. 6 is a side view of the same.

Fig. 7 is a plan view illustrating a further modification.

Fig. 8 is a side view of the same.

Fig. 9 is a plan view illustrating another modification.

Fig. 10 is a side view of the same.

Figs. 11 and 12 are plan and side views illustrating a further modification.

Corresponding parts in the several figures are denoted by like characters of reference.

The material of which the improved device is preferably made is rubber or a composition containing rubber, no claim being herein made to any precise composition or to any particular mode or manner of manufacture, it being understood that any well known manner of manufacture may be resorted to.

The device in its preferred form consists of a ring or annulus having a relatively thick portion 15 and a relatively thin portion 16, the body of the ring being gradually tapered from the thick to the thin portion. The thick portion has been shown as being equipped with a specially reinforced portion 17 of relatively great thickness throughout, said reinforced portion resembling in its general appearance the setting of an ornamental finger ring. The face of the reinforced portion 17 is roughened or corrugated as seen at 18 in Fig. 2 by transversely intersecting grooves or channels.

In Figs. 1 and 2 the reinforced portion 17 has been shown as being of substantially square formation. In Fig. 4 has been shown a different design whereby the reinforced portion is made of rhomboidal shape, and

only a portion of the surface of said reinforced portion has been grooved or corrugated.

In Figs. 5 and 6 the reinforced portion 17 is omitted, and the external surface of the relatively thick portion 15 only has been shown as being roughened, in this instance by means of parallel grooves or channels only as indicated at 19.

Under the construction shown in Figs. 7 and 8 the relatively thick portion of the ring or annulus has been shown as being provided with a plurality of reinforced portions here designated by 20, the external surface of each of said reinforced portions being provided with minute nipples or projections 21 which constitute the roughened paper engaging portion of the device.

By the construction shown in Figs. 9 and 10 the relatively thin portion 16 of the ring or annulus is further weakened by providing the edges thereof with one or more notches 22, the purpose being to still further increase the elasticity and resiliency whereby the ring will adapt itself to various sized fingers.

In Figs. 11 and 12 a still further modified construction of the invention has been illustrated. By this construction the ring here designated by 16^a has been made of equal thickness throughout and its entire outer and inner surfaces have been provided with corrugations, here designated by 21^a and 21^b respectively. When the ring is made in this shape any portion of the circumference thereof may be utilized as a paper engaging surface, and the ring does not therefore require to be turned to an exact predetermined position prior to the use thereof. The corrugations 21^b on the inner face of the ring will also serve to snugly engage the finger of the operator and to prevent the ring from turning to an undesirable position. It is obvious that the corrugations may be applied to the inner face of any of the different forms of rings herein described. It will likewise be obvious that the ring having its outer and inner surfaces corrugated as seen in Figs. 11 and 12 may be weakened at any point of its circumference to facilitate its adjustment on the finger of the operator, in the manner heretofore described and applied to several forms of the improved ring.

The device while not in active use may be worn after the manner of an ordinary ornamental finger ring, and the parts thereof may be rendered ornamental by variously coloring the same or in any other manner that may suggest itself. While in active use the device may be worn on the thumb or on any one of the fingers or on both thumb and one or more fingers, the thickened paper engaging portion being usually turned inward in a manner which will be readily understood, it being, however, also understood that no limitation whatever is made or intended to any particular manner of wearing or applying the device for use. It is also to be particularly understood that while several modified forms of the invention have been herein shown, the construction may be further modified to almost unlimited extent without departing from the spirit of the invention.

Having thus described the invention, what is claimed as new is:

A leaf ring of uniform width and with a roughened portion, said ring being of maximum thickness at and throughout such roughened portion and gradually reduced in both directions therefrom to a point diametrically opposite such thickened portion to provide a portion of minimum thickness, the width of the ring being reduced by transversely-opposed notches at such point of minimum thickness.

In testimony whereof I affix my signature.

DAVID A. TRIPP.

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