Oct. 5, 1926. 1,602,333

C. E. BURKE

LENS CLEANER

Filed June 20, 1925

Fig. 1

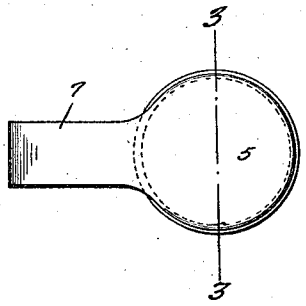


Fig. 2

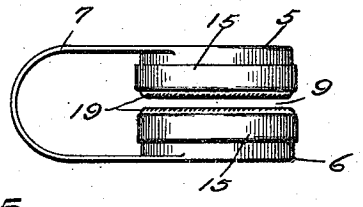


Fig. 5

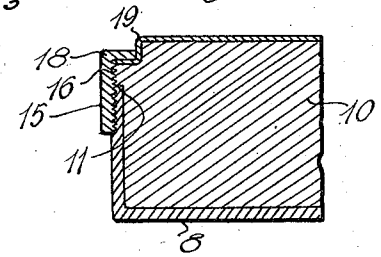


Fig. 4

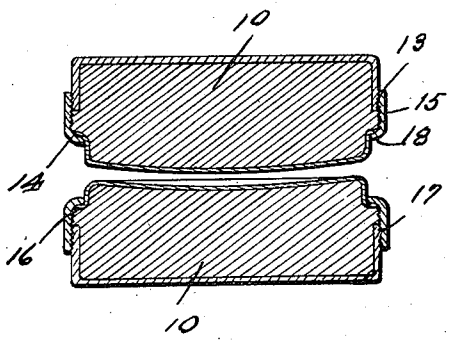
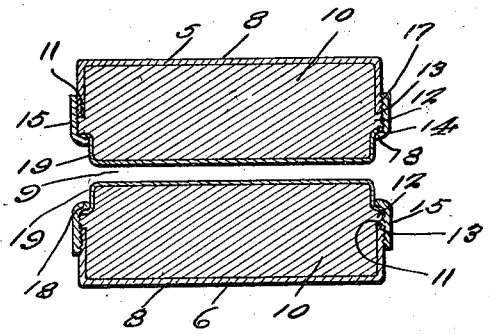


Fig. 3



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WITNESS:

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UNITED STATES PATENT OFFICE.

CHARLES ELLIS BURKE, OF LOS ANGELES, CALIFORNIA.

LENS CLEANER.

Application filed June 20, 1925. Serial No. 38,555.

This invention contemplates the provision of an improved eye glass lens cleaner, and one so constructed to facilitate the carrying of such on one's person and further enables the cleansing of the lens of the eye glass in an easy, efficient and expeditious manner.

A further object of the invention aims in providing a device of the above-stated character, wherein is employed a plurality of inverted cup-shaped containers adapted to snugly contain therein cores and further to maintain over the cores, in a taut manner, the lens cleaning elements, whereby allowing the parts of which the lens cleaner is constructed to be readily assembled or disassembled to meet the demands and convenience of the user.

With the above and other objects in view, the invention further includes the following novel features and details of construction to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a plan view.

Figure 2 is a side elevation.

Figure 3 is a section taken on line 3—3 of Figure 1, and

Figure 4 is a vertical sectional view illustrating a slight modified construction of cores to enable the cleansing of lens of a concavo-convexed form in cross-section.

Figure 5 is an enlarged fragmentary sectional view to illustrate the threaded connections of the parts of the cup shaped containers.

Referring more particularly to the accompanying drawings wherein like characters of reference denote like parts throughout the several views, my improved lens cleanser comprises a pair of superposed cup-shaped containers denoted by the characters 5 and 6 and these containers are yieldably retained in spaced relation with one another by the provision of a yieldable U-shaped handle 7, the handle 7 being preferably integrally formed with the bottom surfaces 8 of each of the containers 5 and 6. By the retainment of the opposed faces of the containers slightly spaced from one another at all times provides therebetween a lens receiving space 9. Snugly fitted in each of the containers 5 and 6 is a core 10 preferably constructed of cork or the like material and each core is of a thickness greater than the depth of the containers to allow a greater portion of the core to protrude above the free edge 11 of each container. The cores at a point below the opposed surfaces thereof are provided with a laterally extending annular enlargement 12 providing shoulders 13 and 14, the shoulder 13 reposing upon the free edge of each container and when so disposed arranges the periphery of the enlargement 12 in alignment with exterior portion of each of the containers 5 and 6 as shown in Figures 3 and 4. The purpose of this arrangement is to permit the clamping bands 15 to threadedly engage the threaded portion 16 of the annular enlargement of the core when readily engaging the exteriorly threaded portion 17 of the container. By this construction it will be observed that the core is at all times contained in the container against any accidental displacement. The provision of the shoulder 13 of the core is to reduce the opposed surfaces of the cores to prevent any obstruction being had of the eye glass frames with the containers during the cleansing operation of the lenses. The shoulder 14 provides the core with a seat for supporting thereon the inturned lip 18 of the clamping bands 15.

Prior to the securing of the bands home a cleaning cloth or element 19 is stretched across the opposed surfaces of the cores, the free marginal edge reposing upon the shoulder 14 and beneath the lip 18 of the clamping band, and by the tightening of such band draws the lens cleaning element in a taut and stretched condition, allowing the cleansing of the lens in an efficient and expeditious manner.

The slight modified form shown in Figure 4 of the drawing is to permit of the cleansing of lenses of a concavo-convexed form in cross-section.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, what is claimed is:—

1. A lens cleaner comprising a pair of yieldably connected cup-shaped containers, each provided with an exteriorly threaded portion and disposed in spaced relation to provide therebetween a lens receiving space,

a core snugly fitting within each container and provided with an exteriorly threaded portion, a cleaning element stretched over each core, and means threadedly engaging the threaded portion of the core and the container for retaining the cleaning element taut over the core.

2. A lens cleaner embodying a pair of containers, each constructed of metal and provided with a solid bottom portion and an exteriorly threaded portion, a loop-shaped handle formed integral with the solid bottom portion of each container and adapted to retain the containers spaced from one another to provide therebetween a lens receiving space, a core snugly fitting within each container and provided with an exteriorly threaded portion, a cleaning element stretched over each core, and means threadedly engaging the threaded portion of the core and the container for retaining the cleaning element taut over the core.

3. A lens cleaner comprising a pair of yieldably connected containers spaced from one another to provide therebetween a lens receiving space, a core fitted within each container and provided at a point above the container with a laterally extending externally threaded enlargement providing the core with an annular shoulder, a clamping band threadedly associated with the container and with the enlargement of the core, a cleaning element stretched over the face of the core and having the periphery thereof seated upon the annular shoulder of the core and clamped thereon upon the adjustment of the clamping band.

In testimony whereof I affix my signature.

CHARLES ELLIS BURKE.