

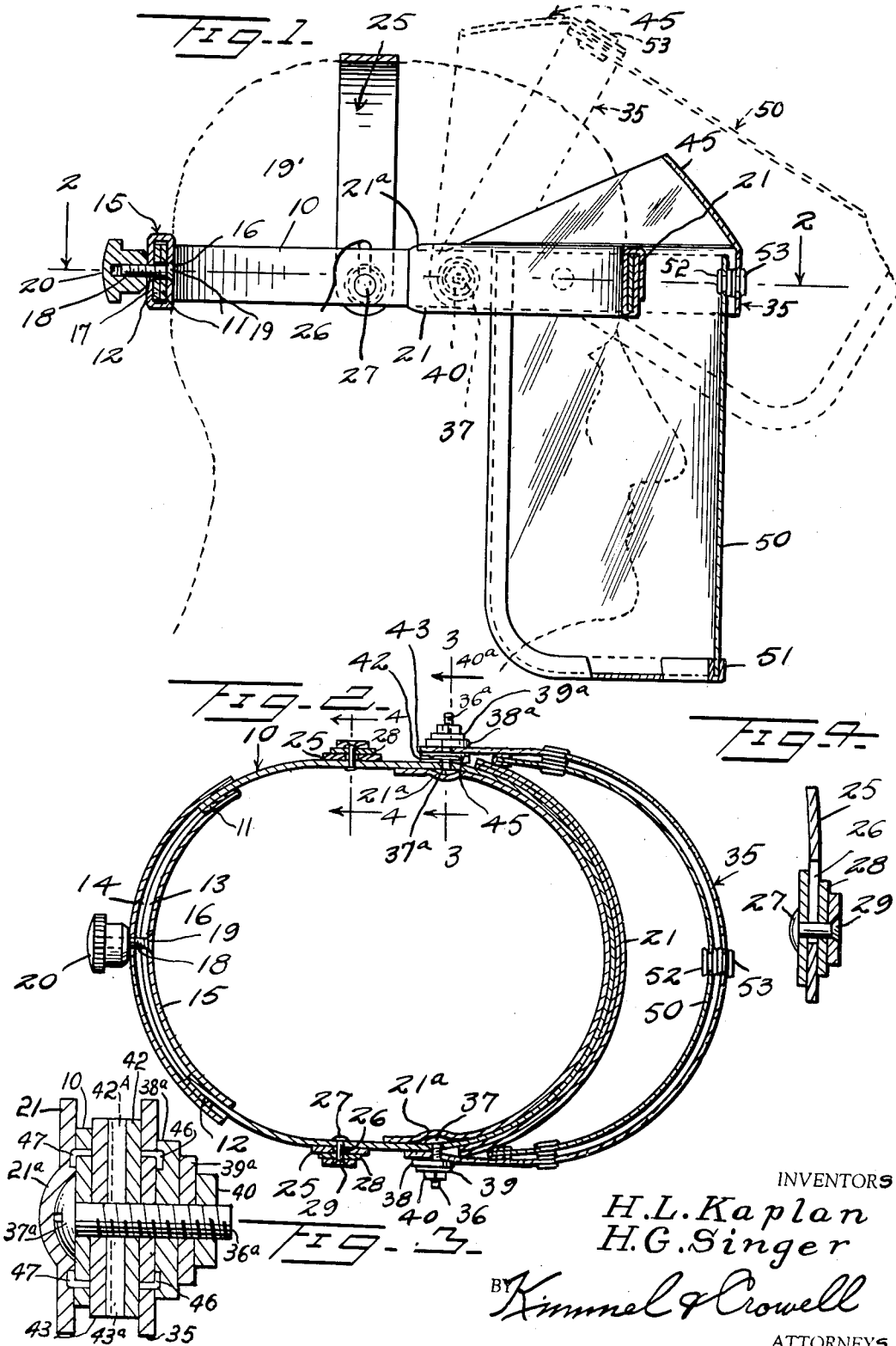
Jan. 24, 1956

H. L. KAPLAN ET AL

2,731,637

SUNSHADE

Filed April 14, 1954



INVENTORS

H.L. Kaplan
H.G. Singer

BY *Kimmel & Crowell*

ATTORNEYS

1

2,731,637

SUNSHADE

Harry Leland Kaplan and Howard G. Singer,
Houston, Tex.

Application April 14, 1954, Serial No. 423,165

1 Claim. (Cl. 2—9)

This invention relates to a sun shade and, more particularly, to such a sun shade adapted to protect the eyes and face of the user while sun bathing, or otherwise exposed to the rays of the sun.

A primary object of the invention is the provision of a readily adjustable face shield of this character of transparent tinted material which will protect the face of the user, and at the same time permit full visibility therethrough.

An additional object of the invention is a provision of the device of this character mounted on a head band which head band is adjustable to size so that it may comfortably conform to the head of the user.

Still another object of the invention is the provision of such a device pivotally mounted relative to the head band whereby the angle of the shield may also be readily adjusted.

An additional object of the invention is a provision of a head strap which is pivotally connected to the band to extend over the top of the head and which may be adjusted both as to angle and to length to permit maximum comfort to the wearer.

Still other objects reside in the combination of elements, arrangements of parts, and features of construction, all as will be more fully pointed out hereinafter and shown in the accompanying drawing wherein there is disclosed a preferred embodiment of this inventive concept.

In the drawings:

Fig. 1 is a side elevational view, partly in section showing one form of device embodying the present invention;

Fig. 2 is a sectional view taken substantially along the line 2—2 of Fig. 1 as viewed in the direction indicated by the arrows;

Fig. 3 is an enlarged sectional view taken substantially along the line 3—3 of Fig. 2 as viewed in the direction indicated by the arrows; and

Fig. 4 is an enlarged sectional view taken substantially along the line 4—4 of Fig. 2 as viewed in the direction indicated by the arrows.

Similar reference characters refer to similar parts throughout the several views of the drawings.

Having reference now to the drawing in detail there is generally indicated at 10 a head band, which is comprised of a split band, the ends 11 and 12 of which overlap at the rear, and which are each provided with an elongated slot 13 and 14 respectively. The overlapping ends are adapted to be surrounded by a flattened tubular member 15 which is provided with a pair of oppositely disposed apertures 16 and 17 through which extend bolt 18 having a head 19. The bolt 18 also extends through both of slots 13 and 14. A knurled knob 20 is threaded on the outer end of bolt 18 and it will thus be readily apparent that by merely loosening knob 20, the overlapping ends 11 and 12 may, by virtue of slots 13 and 14, be moved longitudinally relative to one another to vary the effective diameter of the band 10.

2

The forward portion of band 10 which rests against the forehead is surrounded by a tubular member 21 of leather or the like forming a sweat band.

A head strap generally indicated at 25 is also provided, and is adapted to extend over the top of the head. The strap 25 is provided at its opposite ends with elongated slots 26 through which extend rivets 27, passed through suitable apertures in strap 10, and provided with washers 28, preferably of rubber, and heads 29. A friction fit is thus provided and strap 25 may be moved pivotally about rivets 27 and its effective length may also be varied by movement of the ends of the strap limited by the length of the slots 26.

The sun shade proper is comprised of a substantially semicircular band, generally indicated at 35, provided with apertured ends, one of which is pivotally mounted on a bolt 36 the head 37 of which is covered by a flap 21a extending from the inner portion of tubular member 21. Exteriorly of the band 35 a rubber washer 38 is positioned on bolt 36 and outwardly thereof is positioned a metallic washer 39. A lock nut 40 holds the parts in the related assembly, but the engagement is sufficiently loose as to permit ready pivoting of the band 35, and its associated elements to be more fully described hereinafter. The band 35 has integrally secured to the upper side thereof an arcuate inwardly extending top visor portion 45.

The other end of band 35 extends to a bolt 36a oppositely positioned to bolt 36, upon which bolt are mounted two opposed friction discs 42 and 43, each of which is provided with interiorly positioned radial ribs 42A and 43A, respectively, in order to provide a friction lock to hold the visor in a selected position of adjustment. The head 37a of bolt 36a is covered by a flap 21a of member 21, and the discs 42 and 43 are secured against rotation as by means of tangs 46 and 47, which engage respectively in the material of bands 35 and 10.

A rubber washer 38a, a metallic washer 39a, and a nut 40a, all corresponding to members 38, 39 and 40 respectively, complete the assembly.

Dependingly secured to band 35 interiorly thereof is a shield 50 of arcuate configuration, the sides of which are provided with a reverted metallic strip 51, which serves as a binding therefor. The shield 50 is of a size to extend substantially over the face of the user. The securing means for visor portion 45 and shield 50 take the form of snap fastener elements, each including a male portion 52 carried by shield 50 and a female portion 53 which is positioned in suitable apertures which extend through band 35, the arrangement being such that a broken or damaged visor portion 45 or shield 50 may be readily removed and replaced as desired. The bands 10 and 35 and 25 are preferably comprised of suitable relatively rigid heavy plastic material, the band 35 being preferably transparent. The visor portion 45 and shield 50 are also comprised of a transparent plastic material which is tinted to any desired shade to control the degree of exposure to the sun to the wearer of the visor.

From the foregoing it will now be seen that there is herein provided an improved sun shade or visor, which is readily adjustable as to angle, relative to a head band, and which head band is readily adjustable as to size, which accomplishes all of the objects of this invention and others including many advantages of great practical utility and commercial importance.

As many embodiments may be made of this inventive concept and as many modifications may be made in the embodiment herein before shown and described it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

What is claimed is:

In a sun visor including head band means formed of relatively rigid heavy plastic material, said head band means being in the form of an oval having arcuately shaped front and rear ends and substantially straight sides, said head band means being split at its said rear end to provide a pair of overlapping ends, said overlapping ends having elongated slots formed therein adapted to register with one another, a flattened tubular member surrounding said overlapping ends and extending across the arc at said rear end of said head band means, said tubular member having a pair of oppositely disposed apertures formed therein adapted to register with said slots formed in said head band means, adjustable bolt fastening means extending through said bolts and apertures, flattened tubular sweat band means surrounding the front arc end of said split band, a band having a pair of ends and having integrally formed therewith an inclined visor, said last-named band and visor being formed of transparent plastic material, a pair of oppositely disposed adjustable bolt means on said straight sides of said split head band means adjacent said front arcuate end, said ends of said last-named band each having an aperture extending therethrough to receive

therethrough said last-named adjustable bolt means for pivotal movement thereon with said visor being inclined toward said rear end of said head band means, a transparent arcuate shield detachably secured to said last-named band intermediate said front end of said head band means and said last-named band, said sweat band means having end portions thereof extending across said last-named adjustable bolt means on the inner ends thereof, intermediate adjustable bolt means on said split band between each of said last-named adjustable bolt means and said split ends, and a head strap extending between said intermediate bolt means, said head strap means having elongated slots at both ends through which said intermediate bolts pass for adjustment of said head strap relative to said head band.

References Cited in the file of this patent

UNITED STATES PATENTS

1,885,426	Flood	Nov. 1, 1932
2,194,492	Bowers	Mar. 26, 1940
2,272,833	Dockson	Feb. 10, 1942
2,438,409	Malcom	Mar. 23, 1948
2,487,848	Bowers	Nov. 15, 1949