May 14, 1963 H. H. KIEFER 3,089,145

SUN HAT

Filed March 31, 1961

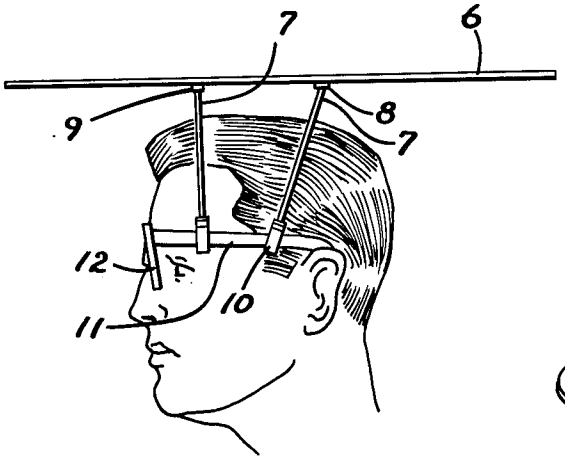

FIG. 1

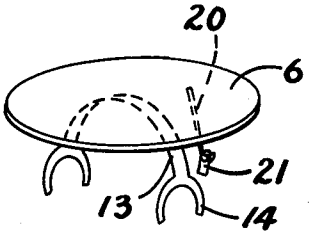

FIG. 2

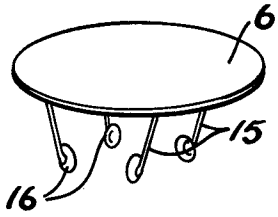

FIG. 3

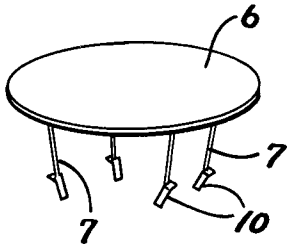

FIG. 4

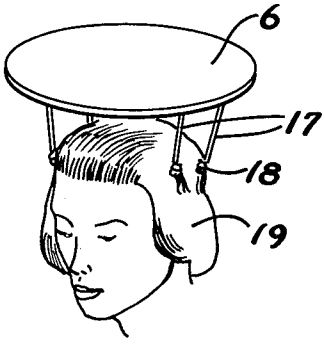

FIG. 5

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SUN HAT

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1 Claim. (Cl. 2—177)

This invention relates generally to head gear, and more specifically to novel sun shield structure and means for securing the same to the head of the wearer.

The subject of head protection from the sun has received much attention over the years. Many designs have been proposed, most having structure intended to adequately ventilate as well as protect the head. However, all known types of sun hat have securing structure which inevitably restricts ventilation and results in perspiration and discomfort to the wearer. All materials absorb and conduct heat in varying degree, but air is probably one of the poorest of heat conductors. Further, a polished metal surface is one of the best known reflectors of radiated heat. It is my intention to combine these scientific facts to provide a sun protecting shield which affords maximum protection from radiation and conduction of heat to the head, and further provides complete freedom to the scalp, permitting a maximum of ventilation.

It is another object of my invention to provide a sun hat which is light in weight and comfortable to wear, and which may be adapted to fit all shapes and sizes of head.

Yet another object of the invention is to provide a sun hat or shield of the above class which is simple in construction, and lends itself to manufacture at low cost.

Briefly, the invention involves the provision of a flat circular disc of aluminum which is supported horizontally in a spaced relation above the head of the wearer. Several means of securing the disc to the head are disclosed as different embodiments of the invention.

Further objects and advantages of the invention will become apparent from the following detailed description of certain preferred embodiments thereof, when taken in conjunction with the attached drawings wherein:

FIG. 1 is a side elevation showing the sun shield or hat of my invention secured to the temple bars of a pair of spectacles.

FIG. 2 is a perspective view of a modification of the invention showing one means of attachment.

FIG. 3 is a perspective view of another embodiment of the invention.

FIG. 4 is a perspective view showing the embodiment of the invention indicated in FIG. 1.

FIG. 5 is a perspective view of the hat shown supported by spring lock means engaging the wearer's hair.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring now to the drawings in detail, the numeral **6** represents a flat circular disc of aluminum. The actual shape and material used is optional, and I have chosen the flat circular disc shape by way of example only,

In FIG. 1, the disc **6** is supported by four downwardly projecting rods **7** which are secured at their upper ends **8** to small projections **9** disposed symmetrically beneath the underside of the disc. The rods **7** terminate with small spring clips **10** which are adapted to selectively engage with the temple bars **11** of a pair of spectacles **12**. The shield is thus comfortably supported in position.

In FIG. 2, the disc **6** is mounted by means of an arcuate spring yoke **13** which is secured at its centre to the centre of the disc. The yoke terminates with open bifurcated ends **14** adapted to locate about the ears of the wearer. The yoke **13** is sprung such that it must be parted before engaging over the sides of the head. A small stay **20** projects downwardly and is rearwardly spaced behind the centre of the disc to terminate with a small spring clip **21** for engaging with the hair and providing increased stability for the disc.

Another embodiment is disclosed in FIG. 3, and consists of four downwardly extending spaced rods **15** which terminate with inwardly directed suction cups or pads **16**. The rods have a degree of springiness such that the pads **16** engage the side of the head with a light pressure.

FIG. 5 discloses yet another means of attachment which involves four downwardly extending stays **17** which terminate with axially extending coil springs **18**. The springs are extended slightly and permitted to release and engage portions of the hair **19**. Subsequent extension of the springs will release the hair when it is desired to remove the sun shield.

It will be clear from the above description that I have provided a novel and improved means of providing protection from the sun. The dimensions of the disc are a matter of choice, the greater the diameter, the greater the shielding of the eyes and neck.

Having described the invention in a preferred form, it will be appreciated that some modifications may be made to the precise configuration, without departing from the scope or spirit of the invention, as defined by the following claim.

I claim:

An invention of the character described, comprising a flat circular disk of polished metal having four spaced projections extending downward from the underside thereof, and to which is secured downwardly projecting rods, the lower end of each rod being secured to a spring clip adapted to engage with the temple bars of a pair of spectacles which provide support for the said flat circular disk above the head of the wearer of the said spectacles.

References Cited in the file of this patent

UNITED STATES PATENTS

1,418,198	Neppell	May 30, 1922
1,759,041	Dawes	May 20, 1930
1,761,368	Sather	June 3, 1930
1,876,225	Hannan et al.	Sept. 6, 1932
2,580,744	Edsall	Jan. 1, 1952