

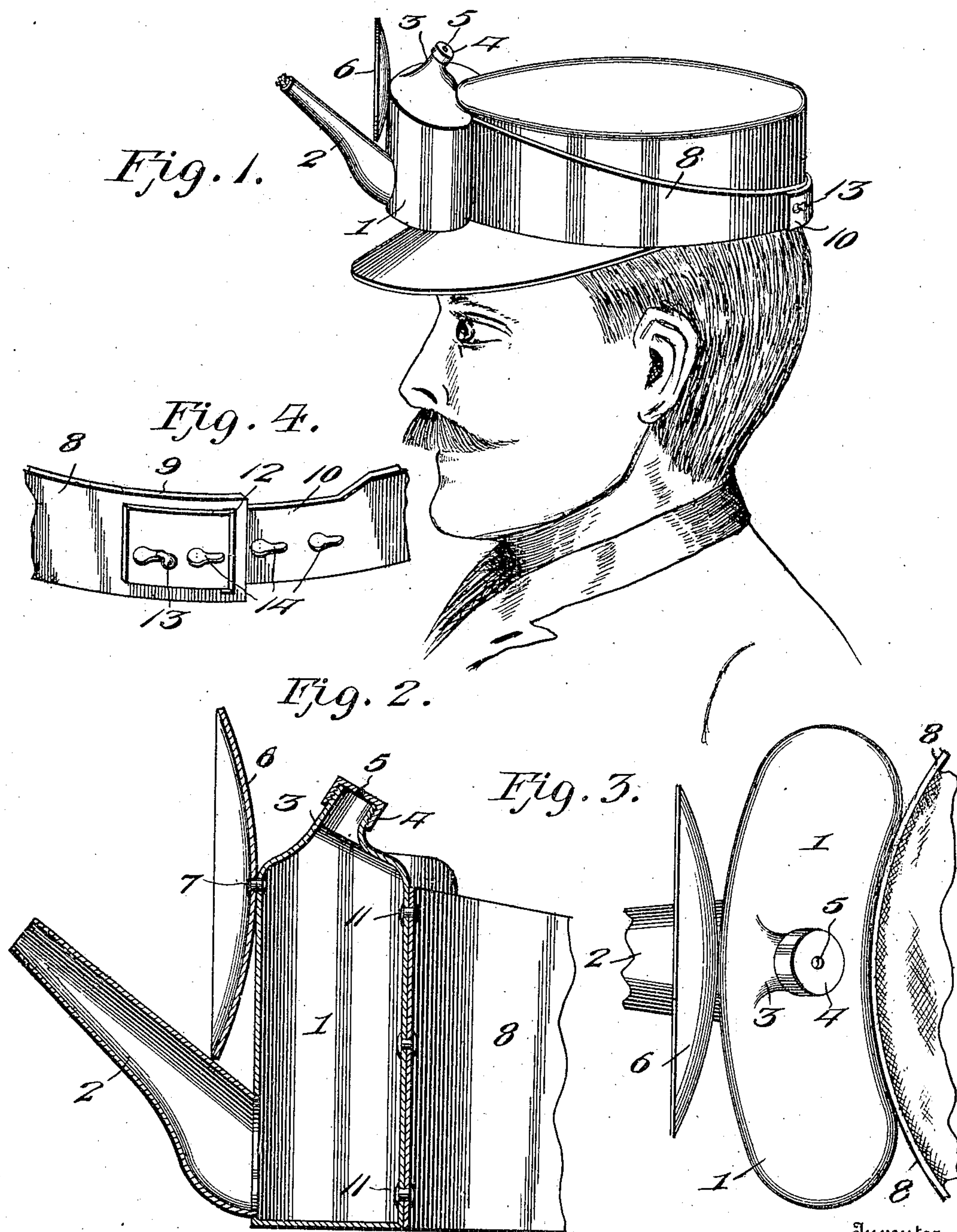
No. 837,778.

PATENTED DEC. 4, 1906.

B. S. BELCHER.

LAMP.

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# UNITED STATES PATENT OFFICE.

BOYD S. BELCHER, OF HOCKMAN, VIRGINIA.

## LAMP.

No. 837,778.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed January 6, 1906. Serial No. 294,951.

*To all whom it may concern:*

Be it known that I, BOYD S. BELCHER, a citizen of the United States of America, residing at Hockman, in the county of Tazewell and State of Virginia, have invented new and useful Improvements in Lamps, of which the following is a specification.

This invention relates to a lamp designed for the use of miners, sportsmen, drivers, and others, and particular to improvements in lamps of that kind adapted to be applied to the hat or cap of the user.

The object of the invention is to provide a lamp of this character having means for applying it to a hat or cap, which is readily adjustable to conform to the size of the hat or cap, and which is also provided with simple and effective means to prevent the discharge and waste of oil from the filling-inlet of the lamp-font when the wearer stoops or bends his head forwardly and also with means to permit of the discharge of gas generated in the lamp-font and prevent the transfer of heat from the burner-flame to the font.

In the accompanying drawings, Figure 1 is a perspective view showing the application of the invention. Fig. 2 is a central vertical front to rear section through the lamp and adjacent portion of the attaching-band. Fig. 3 is a top plan view of the lamp, showing its application to the hat or cap, portions being broken away. Fig. 4 is a detail rear perspective view showing the fastening connections between the meeting ends of the attaching-band.

Referring now more particularly to the drawings, the numeral 1 designates the body or font of the lamp, which is preferably, as shown in Fig. 3, of concavo-convex form in plan view and horizontal section, so that the concaved side thereof will snugly fit against and conform to the shape of the fore portion of the body of the hat or cap. The said body 1 is provided with an upwardly and forwardly extending burner or wick-tube 2, projecting from the forward portion of the base thereof and designed to carry a burner-wick of the type commonly used in miners' lamps. At its upper end the body or font 1 is formed with a filling-spout 3, externally screw-threaded to receive a screw-threaded cap or closure 4, the said cap or closure being formed with a vent-opening 5 to permit of the escape of any gases which may form in the upper portion of the font, thus obviating liability of an explosion from this cause. Attached to the

front portion of the font above the burner or wick-tube 2 is a concavo-convex disk 6, which is preferably united to the front wall of the font by one or more rivets or other suitable fastenings 7. The concaved face of this disk faces outwardly, and the disk is arranged to occupy a position between the upper portion of the font and flame from the burner to serve as a reflector and also as a shield to prevent the flame from flaring rearwardly and coming in contact with and heating the font and also for preventing an undue transmission of heat to the font under all normal conditions. By this means the generation of gas in the font from the heating thereof by the burner-flame will be effectually prevented.

The filling-nozzle 3 extends upwardly at a rearward inclination from the top of the font or in a direction away from the shield 6 and toward the hat or cap of the wearer in order to permit the oil within the font to have a maximum range of upward movement and prevent the same from flowing out of the vent-opening 6 when the wearer of the lamp stoops or bends his head forwardly—a feature of prime importance and advantage in lamps of this character.

The lamp is fastened in position upon the hat or cap of the wearer by an attaching-band 8, consisting of a strap of metal or any other suitable material. The band is divided to form meeting portions or ends 9 and 10 and is attached centrally or at a point between said meeting portions to the concaved side of the lamp-body by rivets or other suitable fastenings 11. The end 9 of the band is provided with a slot 12 for the outward passage of the end 10, which is reduced in width with respect thereto and carries a locking-stud 13, adapted to engage any one of a series of key-hole-slots 14, formed in the end 10, whereby the band is adjustable for application to different sizes of hats or caps and to firmly and securely fasten the lamp in position thereon.

It will be seen that my invention provides a lamp which possesses substantial advantages and which is adapted for the use of miners, sportsmen, drivers, and others who find it convenient to carry a lamp in some suitable manner upon their hats or caps.

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

1. A lamp of the character described comprising a transversely-elongated body having a convex front and a concaved back, a burner-tube inclined upwardly and forwardly



from the base of the front, a filling-nozzle at the upper end of the body inclined rearwardly toward the concaved back and provided with a vent-closure, a reflector-shield secured to the convex front above the burner-tube and in advance of the filling-nozzle, and an attaching-band seated in and secured to the concaved back and provided with means for adjustably connecting the meeting ends thereof.

2. A lamp of the character described comprising an arcuately-shaped font provided with a convex front wall and a concaved rear wall, said font being further provided with a burner-tube inclined upwardly and forwardly from the base of its front wall and a filling-nozzle at the upper end thereof inclined rear-

wardly toward the concaved rear wall, a screw-cap closing said nozzle and having a vent-opening therein, a reflector-shield attached to the upper portion of the front wall of the font and occupying a position between the forward end of the burner-tube and the upper end of the font and above the base of said burner-tube, and an attaching-band seated in and secured to the concaved rear wall of the font and provided with fastening connections at its meeting ends.

In testimony whereof I affix my signature in presence of two witnesses.

BOYD S. BELCHER.

Witnesses:

J. T. THORNTON,  
G. E. SHUMATE.