

I. M. McPHERSON.

MINER'S CAP.

APPLICATION FILED DEC. 30, 1908.

931,463.

Patented Aug. 17, 1909.

Fig. 1.

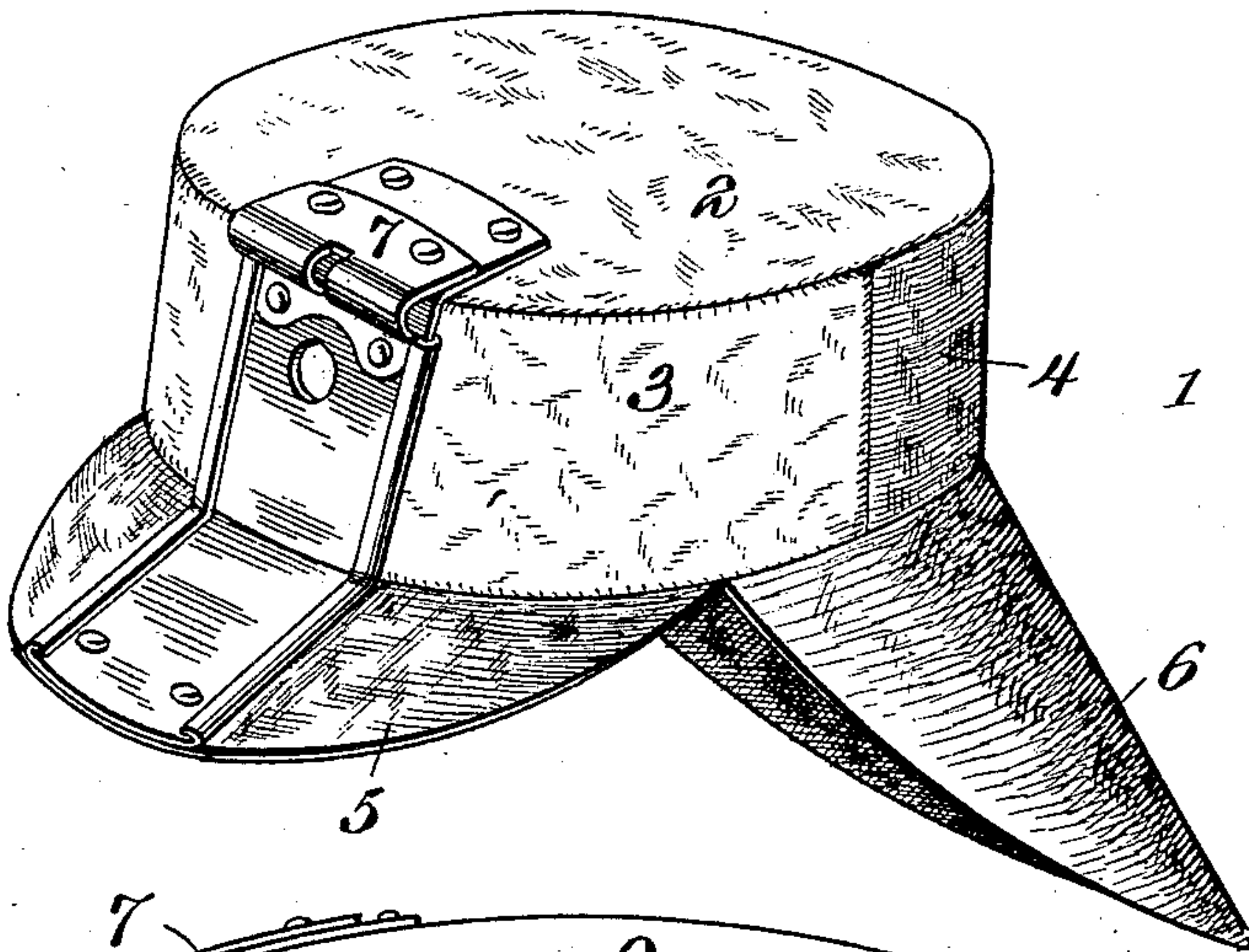


Fig. 2.

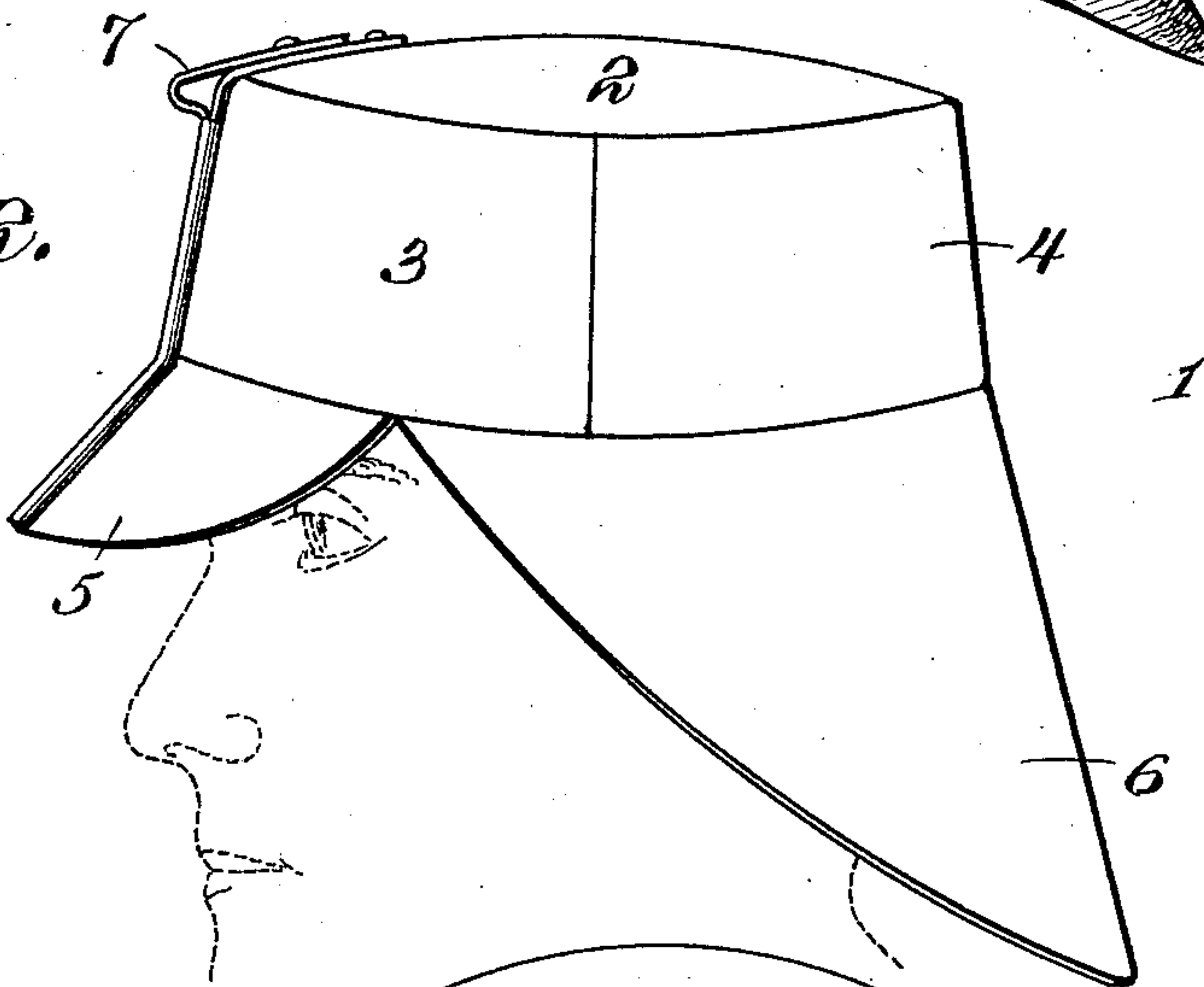
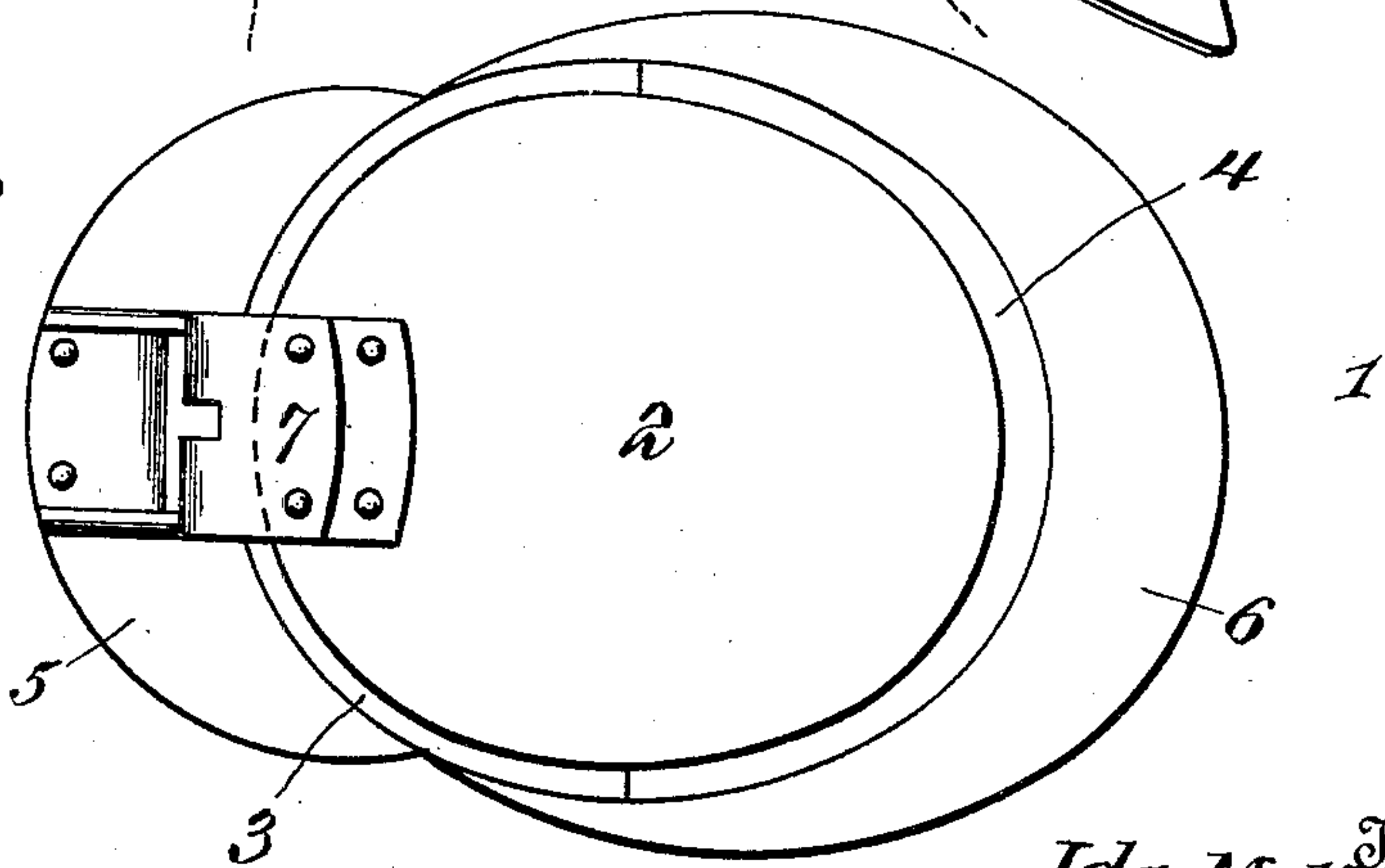


Fig. 3.



Witnesses

Howard D. Orr.
J. F. Riley

By

Ida M. McPherson, Inventor,
E. G. Siggers, Attorney

UNITED STATES PATENT OFFICE.

IDA MAY McPHERSON, OF YATESBORO, PENNSYLVANIA.

MINER'S CAP.

No. 931,463.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed December 30, 1908. Serial No. 470,082.

To all whom it may concern:

Be it known that I, IDA MAY McPHERSON, a citizen of the United States, residing at Yatesboro, in the county of Armstrong and State of Pennsylvania, have invented a new and useful Miner's Cap, of which the following is a specification.

The invention relates to improvements in miners' caps.

The object of the present invention is to improve the construction of miners' caps, and to increase their durability and to prevent them from becoming ignited, and thereby relieve the wearer of all danger from fire.

A further object of the invention is to provide a miner's cap of this character equipped with means for protecting the back of the neck and the ears of the wearer to prevent the same from accidentally coming in contact with the live wires now largely employed in mines for actuating the cars for removing the material.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a perspective view of a miner's cap, constructed in accordance with this invention. Fig. 2 is a side elevation of the same. Fig. 3 is a plan view.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

1 designates a miner's cap of the usual configuration, provided with a non-inflammable top or cover 2, and having a band composed of a front non-inflammable section 3 and a rear fabric section 4. The cap is also equipped at the front with a visor 5, and it has a shield 6 depending from the rear portion of the cap. The non-inflammable crown 2 and the front section 3 of the band are preferably constructed of asbestos, and they are adapted to prevent any oil dropping upon the cap from becoming ignited by the flame of a miner's lamp and setting the cap on fire. As the front portion of the band and the top or crown of the cap are the only por-

tions of the latter exposed to the flame of the lamp, the asbestos portions afford a positive protection to the wearer from fire, and the durability of the cap is thereby greatly increased. The rear section 4 of the band is constructed of soft flexible material and enables the cap to comfortably fit the head of the wearer, and prevents the stiff asbestos front section 3 from imparting to the cap any uncomfortable or disagreeable feeling to the wearer. The fabric rear section 4 also forms an efficient support for the shield 6 and enables the same to be conveniently attached to the back of the cap. The protector 6, which extends forward to the visor, is constructed of rubber, or other suitable non-conducting or insulating material, adapted to protect the wearer from electric shocks through contact with live wires. The shield protects the neck and the ears, and it is adapted to prevent the comparatively large number of accidents resulting from miners accidentally rising up from a stooping position into contact with a live wire.

The cap is equipped with the ordinary lamp bracket or support 7, arranged at the front of the cap, as clearly shown in Fig. 1 of the drawing.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A miner's cap provided with a non-inflammable top or crown, and having a band composed of a stiff non-inflammable front section, and a soft fabric rear section extending around the back of the cap and adapted to fit the head of the wearer.

2. A miner's cap provided with a non-inflammable top or crown, and having a band composed of a stiff non-inflammable front section, and a soft fabric rear section extending around the back of the cap and adapted to fit the head of the wearer, and a shield attached to and supported by the band and constructed of non-conducting or insulating material to protect the wearer from electric shocks.

3. A cap including a stiff flat asbestos top or crown, a band consisting of a stiff curved asbestos front section, and a soft fabric rear section extending around the back of the cap, and a visor arranged at the front of the cap and extending from the lower edge of the said asbestos section.

4. A cap including an asbestos top or

crown, a band consisting of a stiff curved asbestos front section, and a soft fabric rear section extending around the back of the cap, a visor arranged at the front of the cap and
5 extending from the lower edge of the said asbestos section, and a rear rubber shield depending from and supported by the soft rear section of the band and extending forwardly at opposite sides of the cap to the visor to

protect the back of the neck and the ears of 10 the wearer.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

IDA MAY McPHERSON.

Witnesses:

H. E. BOYER,
ANNA SMITH.