

No. 825,288.

PATENTED JULY 10, 1906.

J. H. ASH.
FACE SHIELD.

APPLICATION FILED JAN. 16, 1906.

Fig. 1.

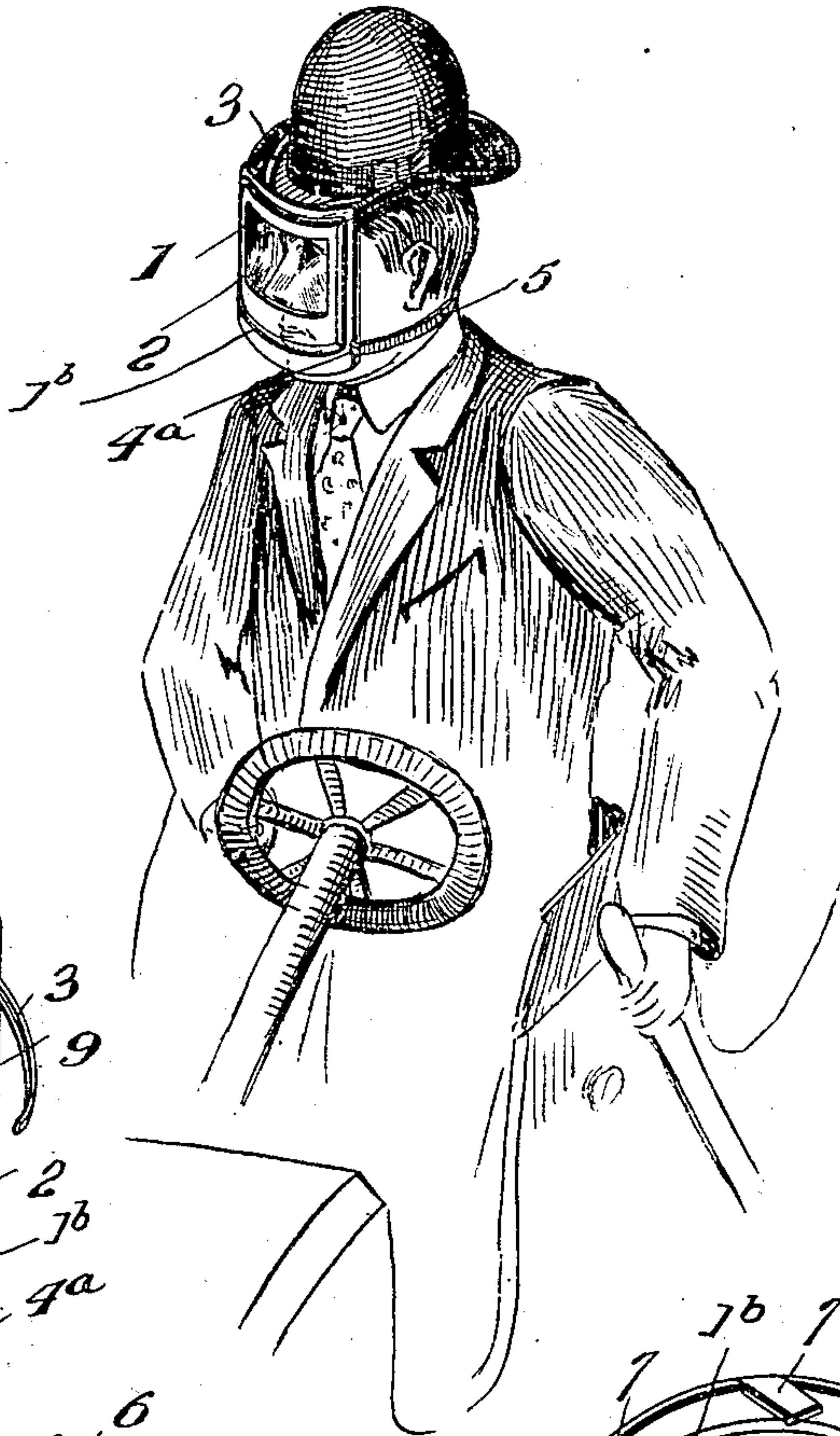


Fig. 2.

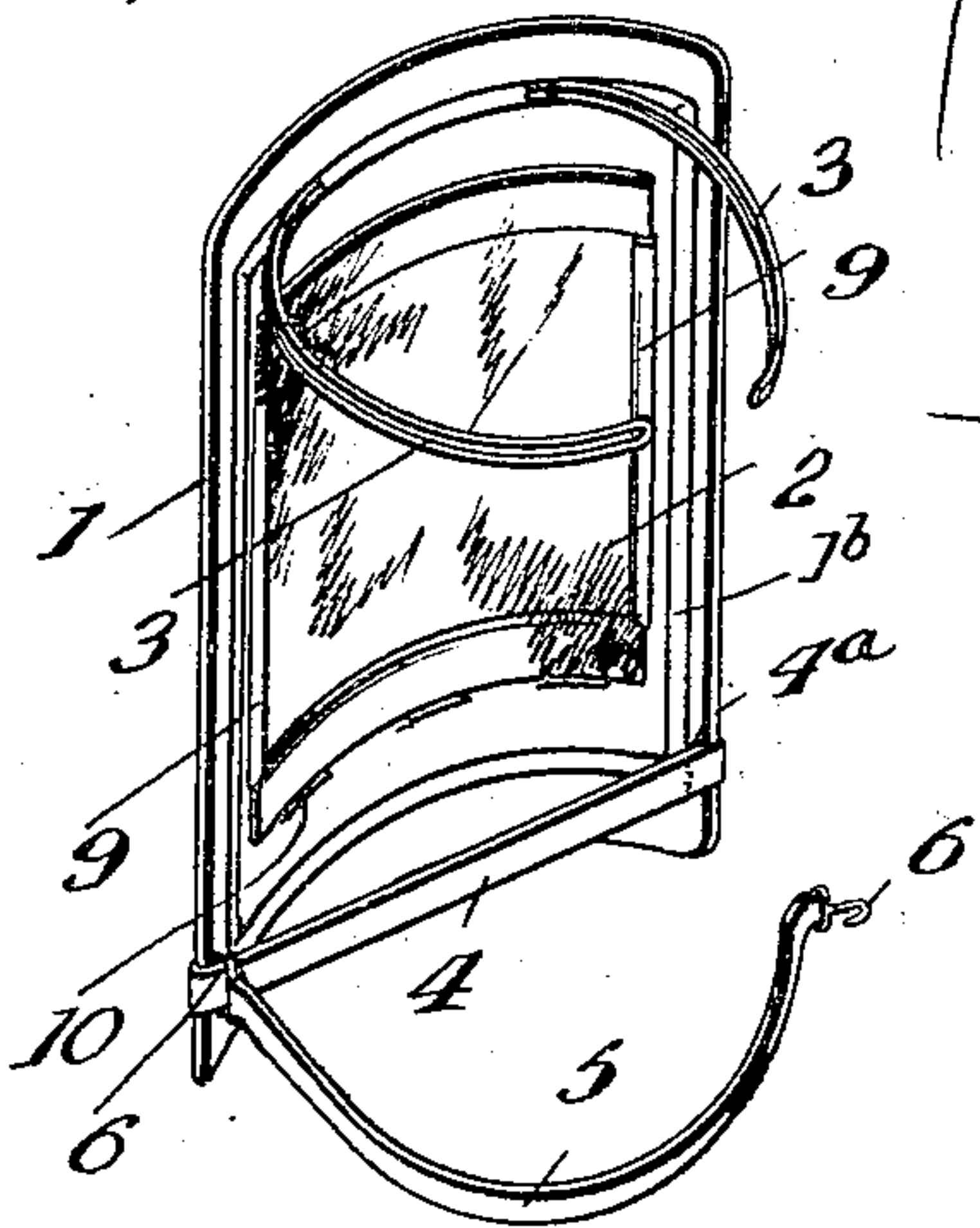


Fig. 3.

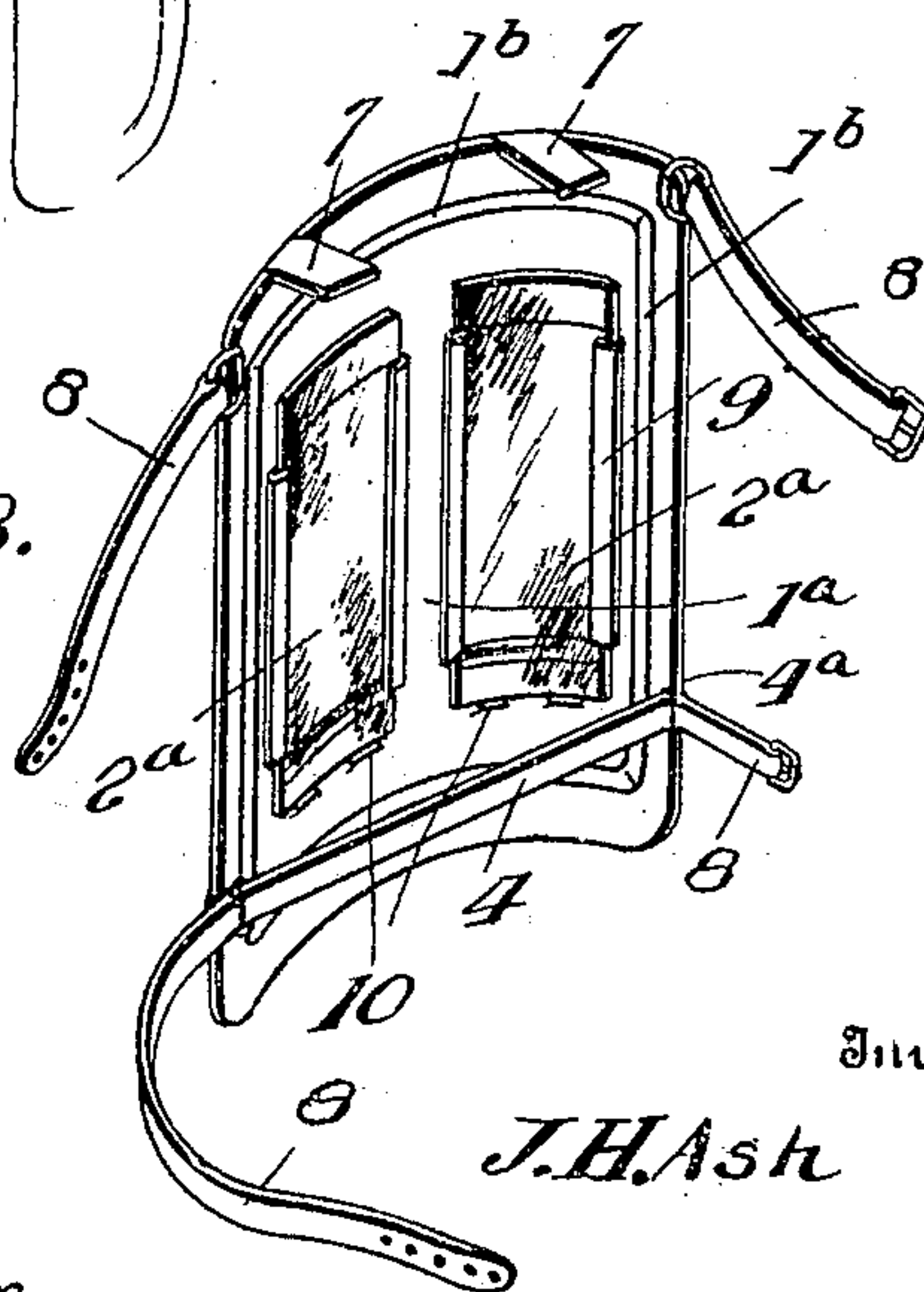


Fig. 4.

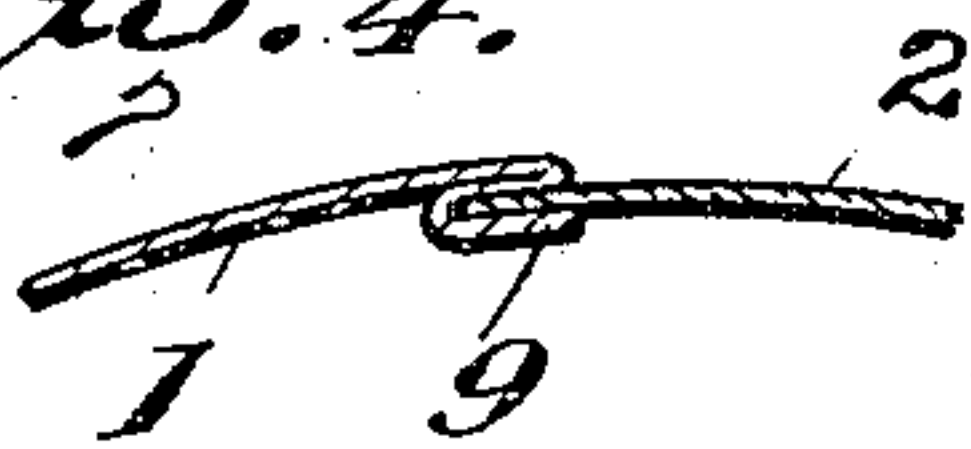


Fig. 5.



Witnesses

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FACE-SHIELD.

No. 825,288.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH H. ASH, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Face-Shields, of which the following is a specification.

The object of my invention is to provide an improved face shield or protector for use in protecting the face of motormen or chauffeurs and the like from wind and weather.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view illustrating one application of my improved face protector or shield. Fig. 2 is an inside perspective view of the shield. Fig. 3 is a similar view of a slightly-modified form. Figs. 4 and 5 are detail sectional views illustrating one manner of mounting the transparent panels in the body of the shield.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings, the numeral 1 designates the body of the shield, which may be formed of any desired metal or material and is plate-like in construction and of concavo-convex form in horizontal section. It may be corrugated near its edges to strengthen it, if desired, as indicated at 1^b. The plate or body 1 is provided with one or more transparent panels 2. At its upper edge the body 1 may be provided with two bow-springs 3, which are designed to take around the body of the Derby hat or the like and rest on the rim thereof. The shield or protector may thus be readily attached to the hat and be maintained thereon without danger of accidental displacement, while at the same time it may be readily detached whenever desired. A flexible and preferably elastic strap 4 is secured at its ends to the side edges of the body or plate 1, near the bottom thereof, preferably by being passed through openings 4^a in said plate, as shown. This strap 4 is shown in substantially taut condition and is designed to bear against the chin of the wearer so as to prevent the wind from blowing the protector up against the wearer's features and to maintain the device in a proper position,

so as to in no wise interfere with breathing. Preferably a band 5 is provided, said band having hooks 6 at its ends, and in the practical use of the device one of the hooks is first attached to the strap 4, and the band is then passed around back of the wearer's neck to the other hook and engaged with the strap. Hence the device is securely held in place at its lower edge, while the flexibility or elasticity of the strap 4 prevents any uncomfortable pressure against the wearer's face.

In that form of the invention illustrated in Fig. 3 I have illustrated two panels 2^a, one for each eye and separated by a longitudinal bar 1^a. The body or plate in this instance is provided at its upper edge with lugs or hooks 7, designed to take over the rim of a hat, at the front thereof, and it is also provided with straps 8, designed to be buckled or otherwise fastened around the hat, instead of employing the springs 3, before described. In other respects this form of the invention is substantially like the first-described form. In both forms of the invention the transparent panels are formed of mica, gelatin, or other transparent material of similar character, and are preferably retained in place by passing through or between retaining-flanges 9 and abutting against punched or struck-up ridges or ribs 10 in the body or plate.

From the foregoing description, in connection with the accompanying drawings, it will be seen that I have provided an improved construction of face shield or protector which will effectively protect the face of motormen, automobilists, and others exposed to wind and weather and which may readily be attached to and detached from a hat and depend in a comfortable position before the wearer's face.

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

1. A device of the character described, comprising a plate provided with a transparent panel, said plate being concave on its inner face, means for securing said plate at its upper edge to a hat or the like, and a transverse elastic strap secured at its ends to said plate and extending across the inner face of the same in substantially taut condition.

2. A device of the character described, comprising a concave plate or body portion provided with a transparent panel and having means whereby it may be detachably connected to and suspended from a hat or the like, and a flexible strap secured to the body

near the lower end thereof and extending transversely thereacross in substantially taut condition and designed to bear against the wearer's face whereby to prevent the plate
5 from swinging against the same, as and for the purpose set forth.

3. A device of the character described, comprising a plate or body provided with a transparent panel and having means at its
10 upper end whereby it may be suspended from a hat or the like, a transverse strap secured across the lower portion of said body, and a band designed to extend around the wearer's neck and provided with means to be detach-
15 ably connected to said strap.

4. A device of the character described comprising a plate or body provided with a transparent panel and having means at its upper end whereby it may be suspended from
20 a hat or the like, a transverse strap secured across the lower portion of said body, and a band provided with hooks at its ends designed to engage with said strap, said band being arranged to extend around the wearer's neck,
25 as and for the purpose set forth.

5. A device of the character described, comprising a plate provided at its upper edge with bow-springs and provided near its lower end and at opposite edges with openings, a
30 flexible strap secured at its ends in said open-

ings and extending across said plate, and a band designed to extend around the wearer's neck and provided with means for detachable connection at its ends to said strap.

6. A device of the character described 35 comprising a plate provided with corrugated edges to strengthen it and also provided within its margin with retaining flanges and ridges between the same, a transparent panel fitting in said flanges and abutting against said
40 ridges, and means for suspending said plate from a hat or the like, a flexible strap extending across said plate near the lower end thereof, and a band designed to extend around the wearer's neck and provided at its ends with
45 means for detachably connecting it to said strap, as and for the purpose set forth.

7. A device of the character described, comprising a plate provided with a transparent panel, means for securing said plate at
50 its upper edge to a hat or the like, a transverse flexible elastic strap secured across the lower portion of said plate and a neckband for said plate.

In testimony whereof I affix my signature 55 in presence of two witnesses.

JOSEPH H. ASH. [L. s.]

Witnesses:

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