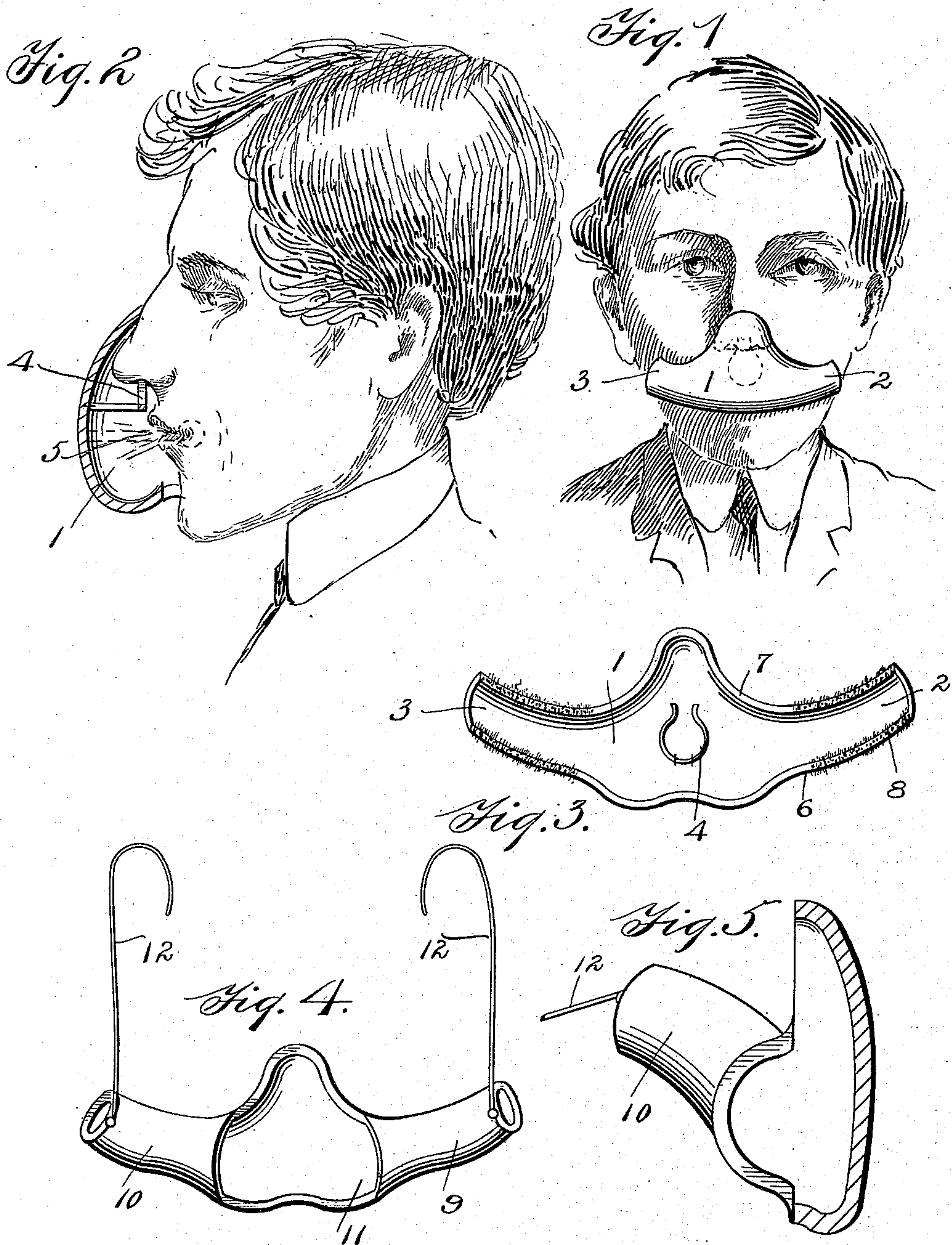


T. J. KING.
BREATH DEFLECTOR.
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1,166,462.

Patented Jan. 4, 1916.



Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS JOEL KING, OF RICHMOND, VIRGINIA.

BREATH-DEFLECTOR.

1,166,462.

Specification of Letters Patent.

Patented Jan. 4, 1916.

Application filed November 29, 1910. Serial No. 594,721.

To all whom it may concern:

Be it known that I, THOMAS JOEL KING, a citizen of the United States, residing at Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Breath-Deflectors, of which the following is a specification.

This invention relates to improvements in breath deflectors, and has for its main object to provide an instantly adjustable shield to cover the mouth and nostrils of barbers, dentists, surgeons, nurses and others whose work necessitates their leaning directly over the face or affected part of a customer or patient.

Another object is to provide a shield for deflecting the breath of the wearer away from the face of another, thus saving both parties from the necessity of inhaling the breath of one another, which is not only exceedingly disagreeable but often the cause of spreading disease germs.

In the tonsorial trade the barber is obliged to lean his head directly over the face of his customer, thus necessitating the very obnoxious and dangerous interchange of breath.

Still another object of the invention is to provide a breath deflector which may be instantly secured into position by engagement with the nostrils.

With the above and other objects in view, I have invented the deflector illustrated in the accompanying drawings in which—

Figure 1 is a front elevation of my device, showing it as worn, Fig. 2 is a vertical sectional view thereof, showing how it is secured to a wearer, Fig. 3 is a rear elevation thereof, Fig. 4 is a rear view of a modified form of the device, and Fig. 5 is an enlarged vertical central sectional view of Fig. 4.

Like reference characters indicate like parts throughout the specification and in the several views in the drawings in which 1 indicates a shell which may be made of celluloid, metal, paper, wood, or any other suitable material, and should be made very thin and extremely light in weight. This shell is pressed or formed into such a shape that it will completely cover the nostrils and mouth and the edges thereof contact the flesh around the nostrils and mouth so as to prevent the escape of the wearer's breath at any part except the extreme ends 2 and

3 which extend well to either side of the face, each of said extensions being approximately one third the length of the device and causing the breath to be directed toward the back of the wearer's head.

Secured to the inner central portion of the device is a spring clip 4 which clamps the nostrils and holds the deflector in position on the face.

5 shown in dotted lines in Fig. 2 shows a different means for holding the device in position, this is a supporting member which is adapted to enter the mouth of the wearer and be held between the teeth.

It will be noticed that the spring clip 4 is a convenient form of a securing piece for my breath deflector, and consists virtually of a resilient strip of wire, which is composed of a loop, two intumed integral legs, said legs being formed with terminal convex portions on its legs, so that said portions may be held in the depressions in the nasal membrane, and thereby obtain a firmer seating.

As the contour of the face of different persons varies, the upper and lower edges 6 and 7 may have affixed thereto a layer of wool, felt or other substance having a give thereto so as to completely fill in any interstices that may exist between the edges of the device and the face of the wearer. This substance is shown at 8 on one portion of the lower edge of Fig. 3.

In Figs. 4 and 5 a modified form of the invention is shown. The ends 9 and 10 of the device are shown tubular and the rear central portion 11 is cut away to engage the nose and mouth, and instead of the means above described for holding the device on the face, a pair of ordinary spectacle supporting wires 12 and 12, the outer ends of which are bent to engage the ears, are fastened to the opposing ends of the device for holding it in place.

Besides the above explained uses for the device it may be used to advantage for many other purposes, such for instance, as to prevent the inhalation of poisonous powders, vapors or gases over which it may be necessary for the wearer to work.

I claim and desire to secure by Letters Patent,

1. A breath deflector comprising an anchor shaped member formed of a one piece shell, said member consisting of an enlarged central portion from each side of

which extend upwardly curved arms each being approximately one third the length of said deflector and a central nose inclosing portion extending upwardly from said central portion above the extremities of said arms and an attaching means, said member having inturned edges shaped to the contour of a person's face.

2. A breath deflector comprising an anchor shaped member formed of a one piece shell, said member consisting of an enlarged central portion from each side of which extend upwardly curved arms each being approximately one third the length of said deflector and a central nose inclosing portion extending upwardly from said central portion above the extremities of said arms and an attaching means, said member having inturned edges shaped to the contour of a person's face, said arms being semi-cylindrical whereby in conjunction with a wearer's cheeks air passages are formed.

3. A breath deflector comprising an anchor shaped member formed of a one piece shell, said member consisting of an enlarged central portion from each side of which extend upwardly curved arms each being approximately one third the length of said deflector and a central nose inclosing portion extending upwardly from said central por-

tion above the extremities of said arms and an attaching means, said member having inturned edges shaped to the contour of a person's face, said arms being semi-cylindrical whereby in conjunction with a wearer's cheeks air passages are formed, certain of said edges having a layer of fibrous material thereon.

4. A breath deflector comprising an anchor shaped member formed of a one piece shell, said member consisting of an enlarged central portion from each side of which extend upwardly curved arms each being approximately one third the length of said deflector and a central portion above the extremities of said arms and an attaching means, said member having inturned edges shaped to the contour of a person's face, said arms being semi-cylindrical whereby in conjunction with a wearer's cheeks air passages are formed, certain of said edges having a layer of fibrous material thereon, said means projecting from the central portion of said enlargement.

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

THOMAS JOEL KING.

Witnesses:

C. H. WALLINGER,
L. H. HANCOCK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."