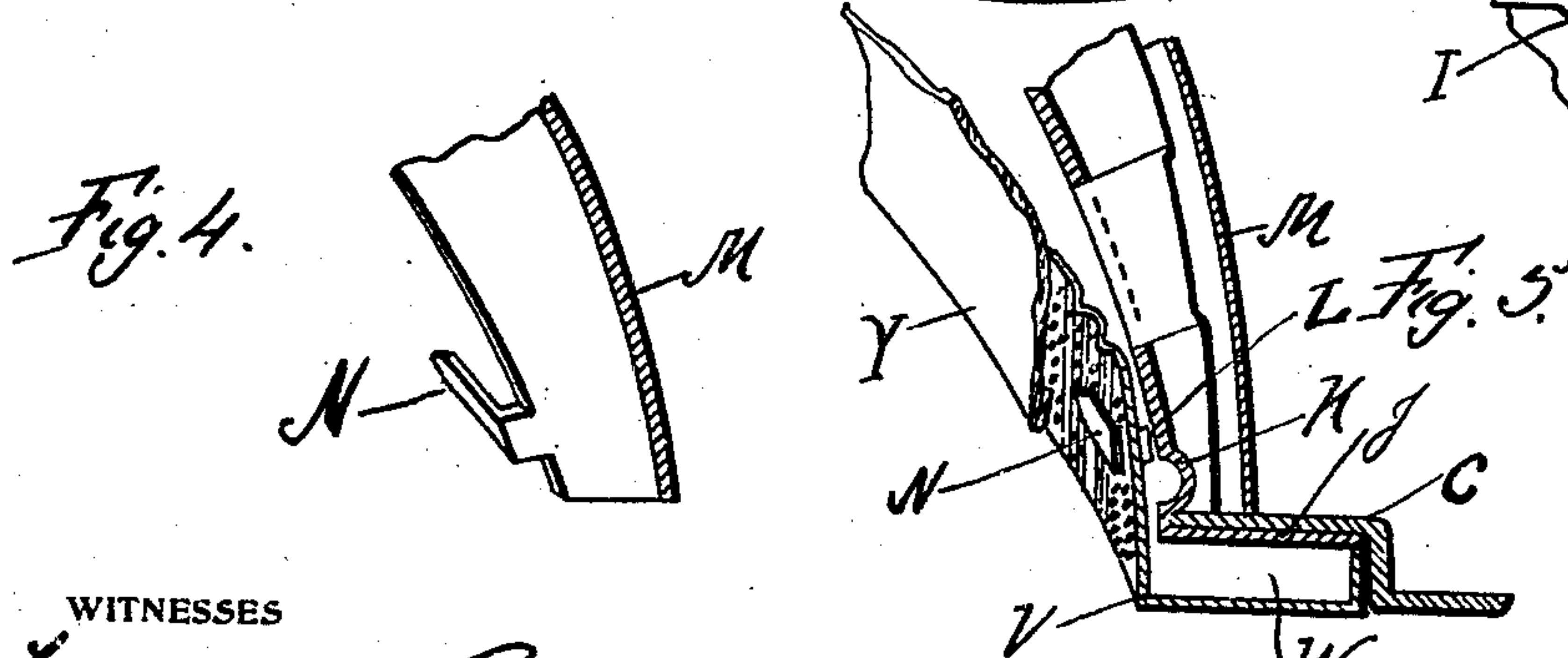
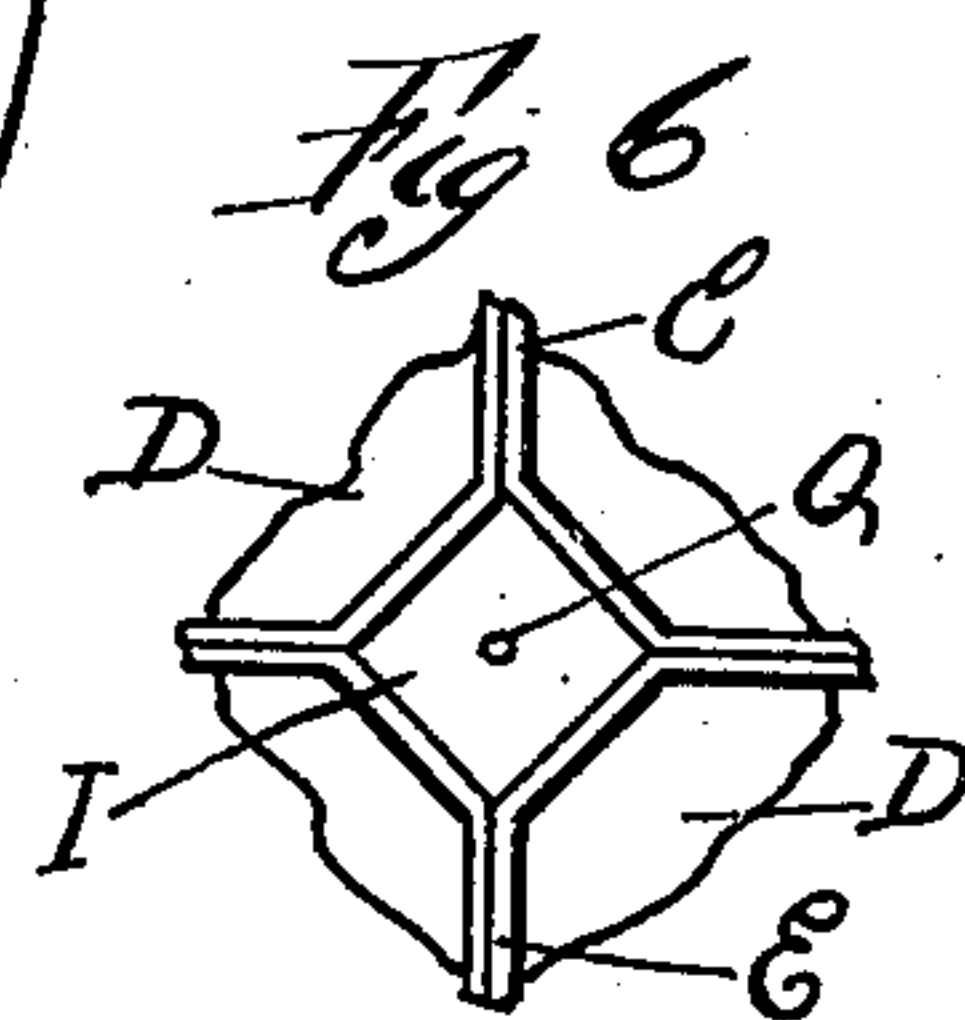
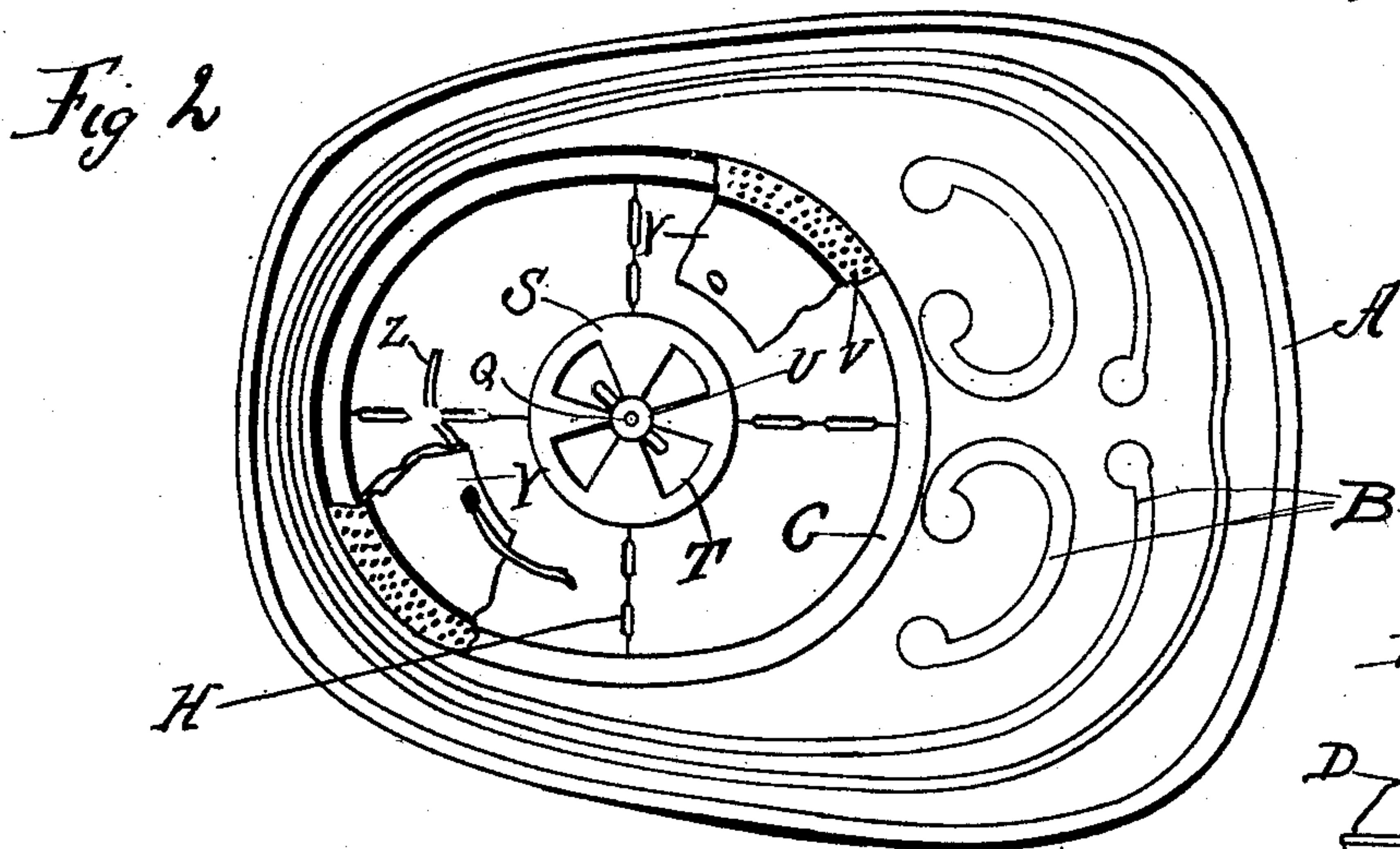
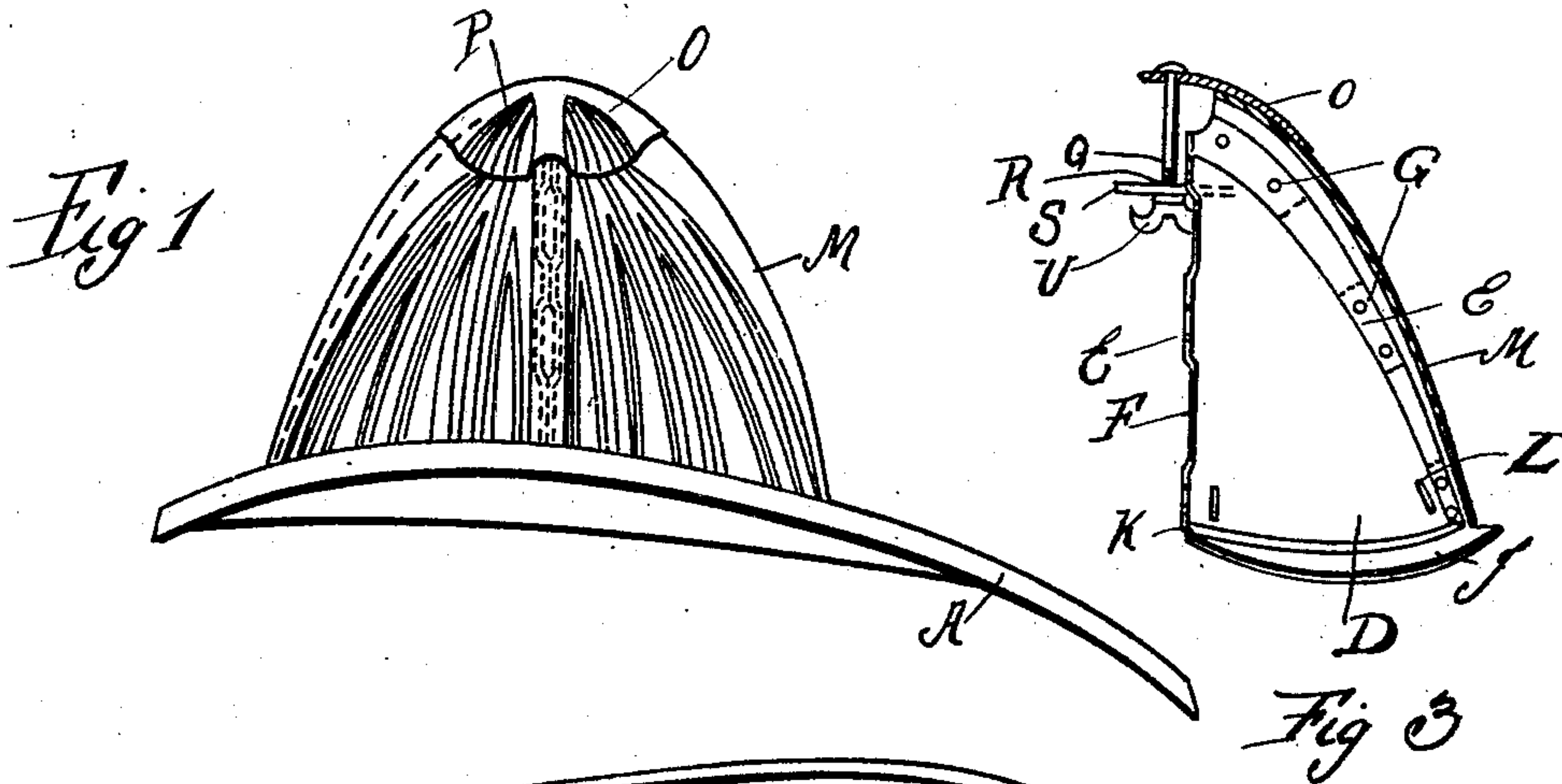


908,145.

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FIREMAN'S HAT.
APPLICATION FILED APR. 23, 1908.

Patented Dec. 29, 1908.



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FIREMAN'S HAT.

No. 908,145.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed April 23, 1908. Serial No. 428,742.

To all whom it may concern:

Be it known that I, CHARLES H. SASS, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a certain new and useful Improvement in Firemen's Hats, of which the following is a specification.

My invention relates to a new and useful improvement in firemen's hats, and has for its object to provide an exceedingly simple an effective device of this character made from a number of sections, so that should one section become injured in any way, it may be taken out, and a new one put in its place.

A further object is to provide a hat of this character so ventilated as to allow the heat from the head to pass out of the hat with the different parts so arranged as to prevent dirt or water entering the hat.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a side elevation of a hat embodying my improvements. Fig. 2 is a bottom view thereof. Fig. 3, one of the sections of the crown showing the portion of the cap applied thereto. Fig. 4 a sectional view of the lower portion of one of the guards, and Fig. 5 a sectional view of a portion of the hat showing how the sweat band is secured thereto. Fig. 6, a view of a portion of the top of the hat, showing the air passage.

In carrying out my invention as here embodied, A represents a brim of the hat having a crown, the ribs B formed thereon for stiffening or strengthening the same.

C indicates a raised portion formed around the edge of the head hole cut from the brim A.

D represents one of the sections of the crown, the sides of which are turned up, as indicated at E, and these are so bent as to form the notches F, and in that portion which remains straight are formed the holes G, and when four of these sections are put

together, the notches F upon one section coming opposite the notches upon the other section will form the openings H, through which the heat from the head is adapted to pass from the inside of the hat, and the upper portions of the bent up sides E will form the opening I. The lower edge of the sections are bent to form the rim J, which passes beneath the raised up portion C formed from the brim A, and in proximity to this rim is formed the rib K which rests upon the top of this raised portion C. In this manner the sections and the rim are held tightly together.

L indicates openings which are cut in each section in proximity to the bent up sides E. The guards M of which there are four in number are so bent as to form a U in cross section and these are secured to the hat from the bent up sides E, the sides of the guard being wider than the height of the bent sides, so that they leave a space between said bent up sides E, and the top of the guards M. From the sides of the guards M, in proximity to their lower ends are formed the prongs N, which are adapted to pass through the openings L in the crown sections of the hat.

O indicates a cap having ribs P bent therefrom, which overlap and rest upon the upper ends of the guards M. Through the central portion of this cap passes the threaded screw Q, and through the central opening R in the plate S, this plate having the openings T cut therein to allow the free passage of the heat from the hat through the opening I, formed by the upper portions of the sections D, then threaded on this inner end to hold the plate S against the inside of the hat, and the cap O against the guards M, is the thumb nut U.

V indicates a strip of corrugated perforated sheet metal which is secured to the hat by means of the prongs N formed on the lower end of the guards M. This strip of metal is so bent as to fit in the raised up portions C, thus forming an opening W around the entire circumference of the head hole formed in the brim of the hat. Thus fresh air will be admitted through the perforation into the opening W, and from there allowed to pass within the crown of the hat through the opening formed by the corrugations resting against the crown of the hat. The sweat band Y, the lower edge of which is secured to the strip of corrugated, perforated sheet

metal V, has the cord Z running through the holes formed in its upper edge, so that it may be turned tighter. In this manner one hat may be made to fit any number of different sized heads.

It will be seen from the foregoing description that the heat from the head will pass through the openings H into the passage way formed by the guards M, also through the openings T in the plate S, through the opening I formed by sides of the sections, then from beneath the cap O, and fresh air will be admitted through the perforated strip of sheet metal into the crown of the hat so that the air therein will be constantly changing, thus reducing to a minimum the possibility of a fireman being overcome by heat.

In practice should some hard substance fall upon the hat and mutilate one of the sections thereof, that section may be readily removed and a new one substituted there for.

Of course I do not wish to be limited to the exact details here shown as these may be varied within certain limits without departing from the spirit of my invention.

Having thus fully described my invention what I claim as new and useful is—

1. In combination a brim having a head opening formed therein, the top of which is raised upwardly, ribs bent from said brim for strengthening the same, a crown formed from four removable sections, each section having the sides thereof turned or bent up, these sides being so bent as to form notches, also having holes formed in the straight portion thereof, each section having openings cut therein in proximity to these bent up sides, a rim formed from the lower edge of said sections, a rib bent from said section in proximity to said rim, the rim lying against the side surface of the raised up portion, and the rib resting upon the upper surface of this raised up portion, means for securing any two of the sides of these sections together, guards, prongs, formed therewith, said prongs being adapted to pass through the openings formed in proximity to the rim, said guards secured to the hat over the turned up sides, thus forming

an air passage, a cap having ribs bent therefrom, adapted to rest upon the guards, a plate having openings cut therein, a screw passing through said cap and plate, a thumb nut threaded on said screw for holding the cap tight against the guards and the plate against the inside of the crown of the hat, a strip of corrugated, perforated sheet metal secured to the hat by means of the prongs formed with the guards, and so bent as to form between itself and the raised up portion an air passage, a sweat band secured to said strip of metal having openings in its free end, and a cord passing through said openings so that the sweat band may be turned tight or laid loose as the case may be as shown and described.

2. In combination a brim having a head opening cut there from, and a raised portion formed about the edge of said head opening, a crown formed from four sections removably secured together, said sections being so bent as to form openings to allow the heat from the head to pass off, guards secured to said crown for covering the openings formed by the sections of said crown, a cap for holding the upper ends of the guards of the crown, a corrugated, perforated strip of metal to allow free passage of fresh air into the crown of the hat, and a sweat band secured thereto, which may be adjusted to different sizes as shown and described.

3. In combination a brim, a crown formed from four removable sections, and means for removably securing said sections together, as specified.

4. The combination of a brim, a crown formed from four removable sections, the sides of which are so bent as to form air passages and means for preventing dirt or water from entering said air passages as shown and described.

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses.

CHARLES H. SASS.

Witnesses:

EDW. W. AUSTIN,
S. M. GALLAGHER.