(No Model.)

F. E. DRAKE.

HELMET ATTACHMENT.

No. 488,188. Patented Dec. 20, 1892.

Fig. 1.

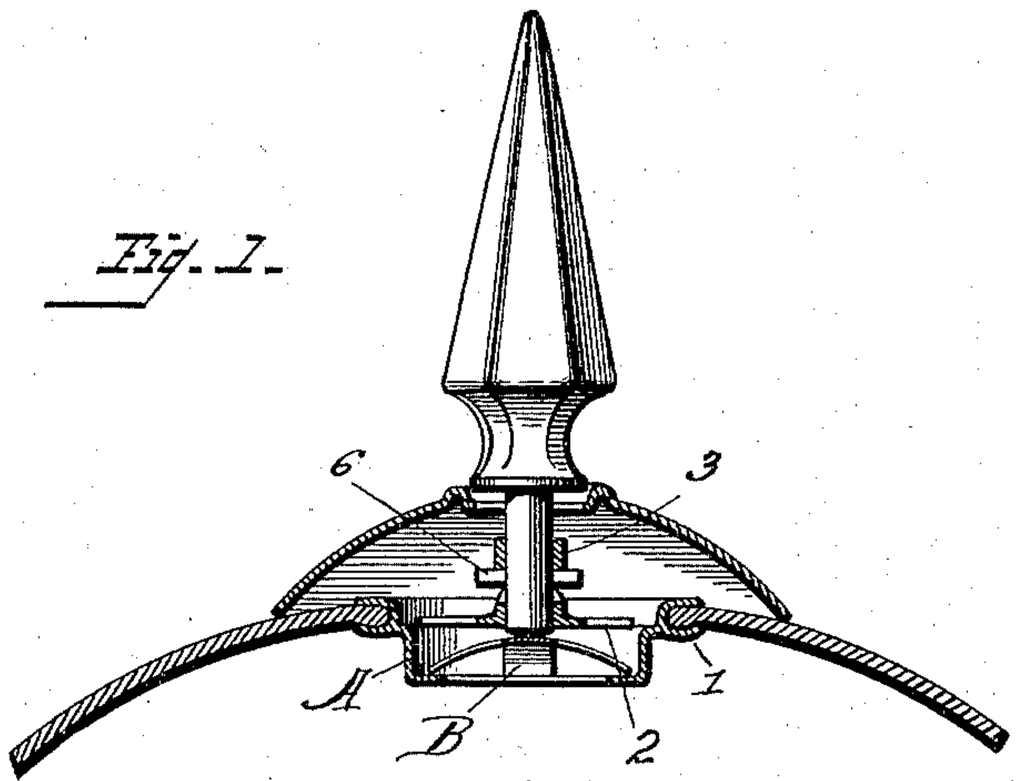


Fig. 2.

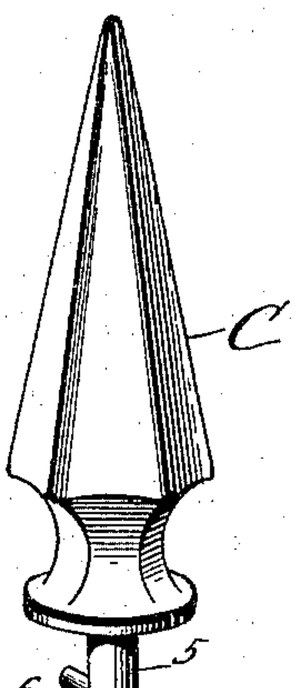


Fig. 3.

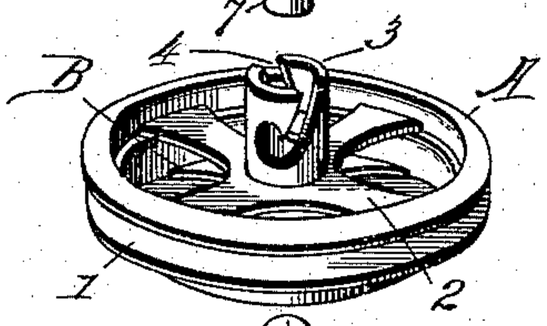
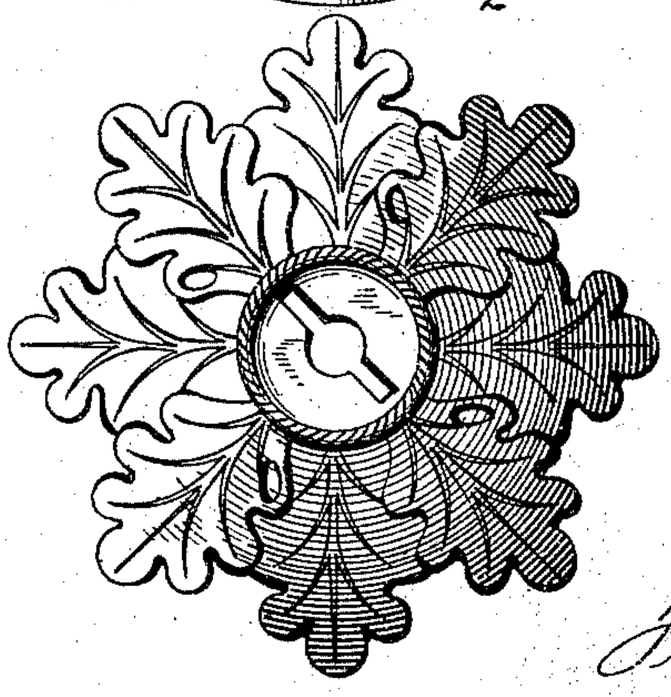


Fig. 4.

Fig. 5.



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UNITED STATES PATENT OFFICE.

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HELMET ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 488,188, dated December 20, 1892.

Application filed September 8, 1892. Serial No. 445,330. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS E. DRAKE, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Helmet Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to devices for connecting plume sockets, spikes and other ornaments with the ventilating grommet of hats, helmets and other head-coverings such as are worn by military, masonic and other organizations.

The devices heretofore in use have been costly and complicated and extremely liable to injury from the ordinary handling to which they are subjected.

It is the object of my present invention to provide a construction of the connecting devices whereby all the objections met with in the prior devices will be obviated, and the invention consists in the form and arrangement of parts herein particularly described and claimed.

In the accompanying drawings, Figure 1 is a sectional view representing an embodiment of my improvements and applied to the top of a helmet; Figs. 2 and 3 are perspective views respectively of the spike and the ventilating grommet; Fig. 4 is a view of the locking spring; and Fig. 5, a view of an ornamental rosette.

The letter A represents a grommet which consists of a cup-like structure having a circular opening in its bottom and a circumferential flange 1 that fits and is held against the edge of a circular opening in the crown of the helmet. In the bottom of the grommet is placed a curved spider-spring B and above this is firmly secured a spider-bridge or frame 2. Rising from the center of the spider-bridge or frame 2 is a tube or socket-piece 3 which is provided in diametrically opposite sides with spiral slits 4 extending from the top of the tube or socket-piece downward to points near its base where they have a slight turn upward giving them somewhat the shape of a bent slanting letter J. The center of the spider-spring presses forcibly against the opening at the lower end of the socket-piece or tube. The shank 5 of the plume holder, spike or other ornament C is furnished with pins 6 that project from opposite sides thereof at some little distance from its lower end. This affords a part 7 to act and be acted on by the spider-spring when the plume holder or other ornament is put into place, and is thereby firmly locked in position. The ornament is attached to the helmet or hat by inserting the end of the shank into the tube or socket-piece so that the pins 6 fit in the slots and then forcing the shank inward against the pressure of the spider-spring until the lower ends of the spiral slots are reached where the recoil of the spring will be sufficient to hold the pins firmly in engagement with the vertical or returning parts of the slits.

The simplicity, durability and efficiency of my improvements have already won popular favor and it is not unlikely that they will supersede all others of the kind that are at present in the market.

What I claim and desire to secure by Letters Patent is:

In combination, a ventilating grommet consisting of a cup-like structure open at its bottom, the interior spider frame or bridge having a socket piece provided with J-shaped spiral slits, an ornament having a shank provided with pins to engage the slits, and a spring arranged between the bottom of the cup-like structure and the bridge and adapted to act against the shank to hold the pins in the upwardly turned portion at the lower end of the slits, substantially as shown and described.

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

FRANCIS E. DRAKE.

Witnesses:
S. S. BLOOM,
GEO. M. FINCKEL.