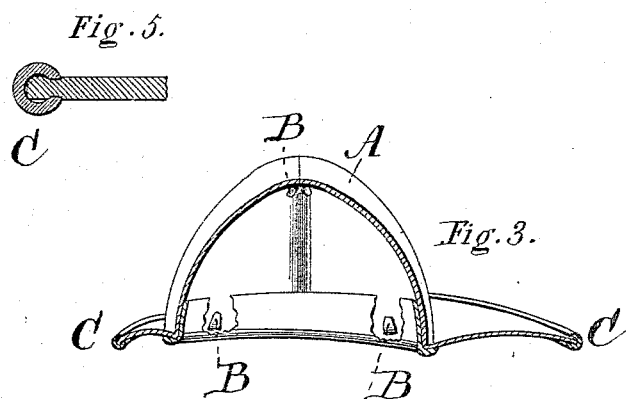
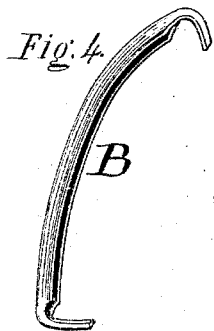
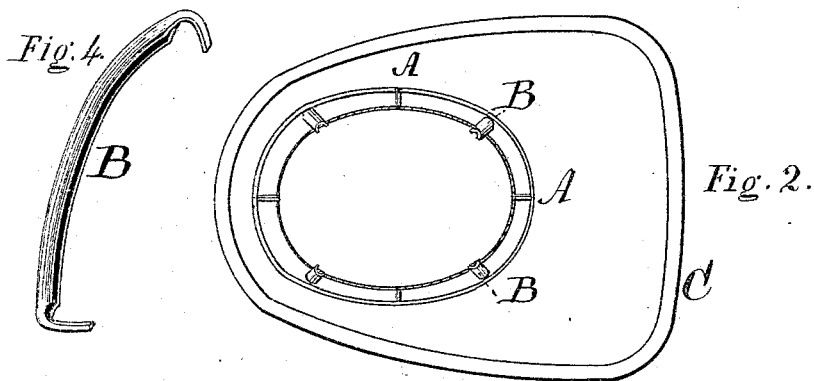
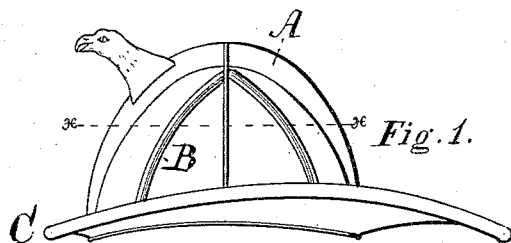


(No Model.)

T. ANDERSON.  
HAT FOR FIREMEN.

No. 381,666.

Patented Apr. 24, 1888.



WITNESSES:  
*Asa S. Eubank.*  
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ATTORNEY.

# UNITED STATES PATENT OFFICE.

THOMAS ANDERSON, OF BROOKLYN, NEW YORK.

## HAT FOR FIREMEN.

SPECIFICATION forming part of Letters Patent No. 381,666, dated April 24, 1888.

Application filed December 22, 1887. Serial No. 258,767. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS ANDERSON, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Fire-Hats, of which the following is a specification.

My invention relates to certain improvements in the crown and the edge of the brim of a fire-hat made of leather, whereby several advantages are obtained; and the invention consists in certain novel details of construction, hereinafter more particularly described, and shown in the accompanying drawings, in which—

Figure 1 is a side view of a fire-hat constructed according to my invention. Fig. 2 is a horizontal section taken in the line  $xx$  of Fig. 1. Fig. 3 is a longitudinal vertical section. Figs. 4 and 5 are detail views.

The hat here represented is what is technically known as an "eight-cone hat." The term "cone" refers to the ribs, tongues, or beads extending from the base of the crown to the center of the top thereof. The four principal cones or ribs—that is to say, those at the front and rear and the two sides—are usually flat and of a width of from half an inch to an inch or more, and the intermediate ones are round and of a width about equal to double the thickness of the leather.

In my invention I make the four principal cones A of leather by folding and stitching, as heretofore. The intermediate cones, ribs, or beads, whether four, eight, or more, I make hollow of metal from a skelp, with the edges turned toward each other, but not actually meeting, so as to form about three-fourths of a complete cylinder. The two ends of each of

these skelps B are tapered, as illustrated in Fig. 4, and these tapered ends are passed through the leather at the base and summit of the crown and secured by clinching, as shown in Fig. 3. The cone B thus formed and attached is much stronger and more durable than one made in the old way, and a great saving of time and labor is accomplished.

Heretofore the edge of the brim of a fire-hat has been re-enforced and strengthened by a wire extending entirely around the edge and secured by folding the leather over it and stitching it in place. In so doing it was necessary to skive the leather very thin, and the wear and tear of the edge, together with the rust formed on the metal, would eventually result in the breaking away of the wire. To obviate this difficulty, the edge of my improved hat is provided with a hollow bead or rib, C, which is made similar to the cones above described. The rib or bead is cut to the exact required length and the ends brazed or otherwise securely joined, and the edge of the brim is clamped therein, as shown in Figs. 3 and 5.

What I claim as new, and desire to secure by Letters Patent, is—

A leather hat provided with hollow metal ribs or cones for strengthening the same, said cones being approximately circular in cross-section and attached to the body of the hat, substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 29th day of June, A. D. 1887.

THOS. ANDERSON.

Witnesses:

FRANCIS C. BOWEN,  
JAS. S. EWBANK.