

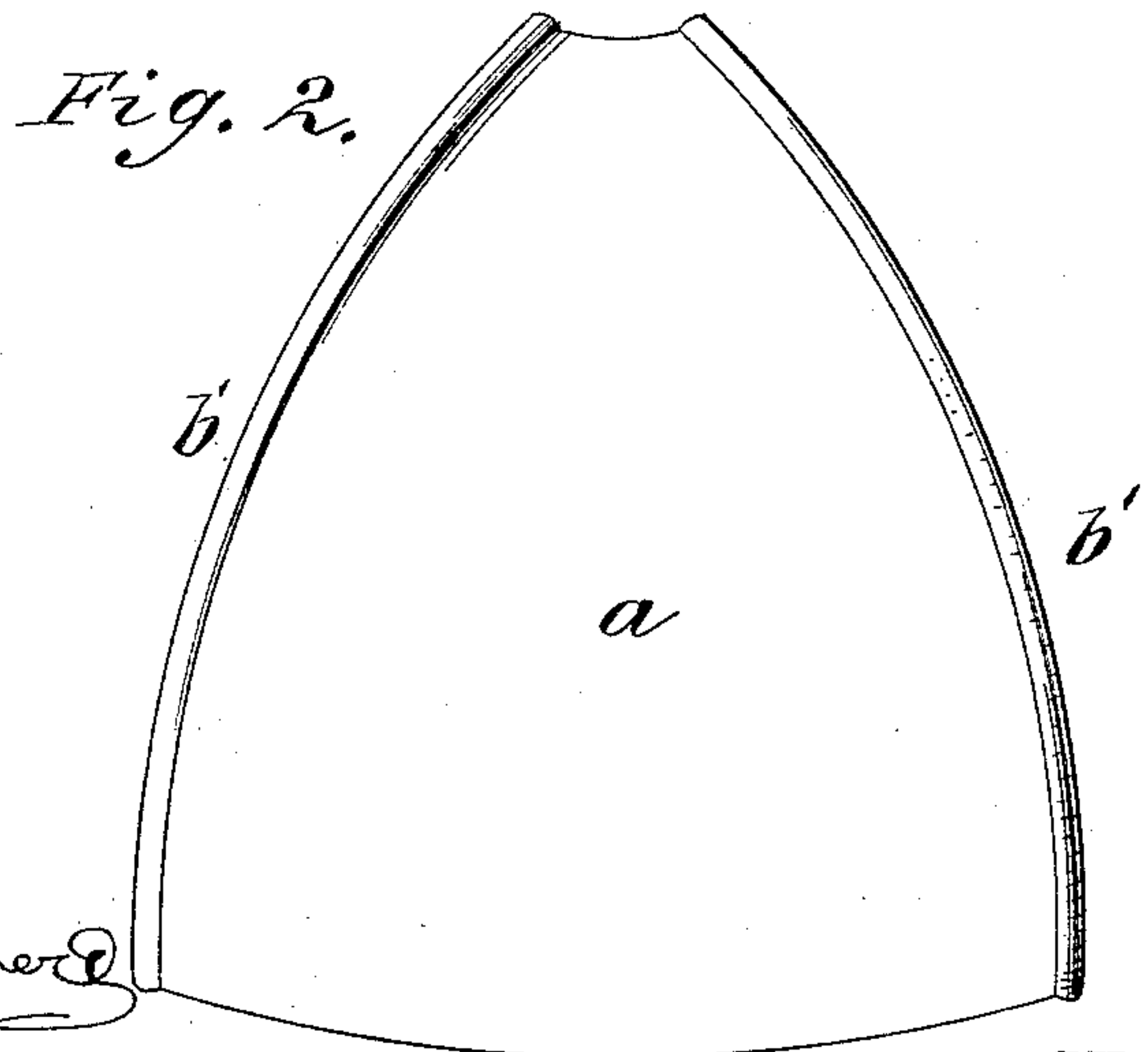
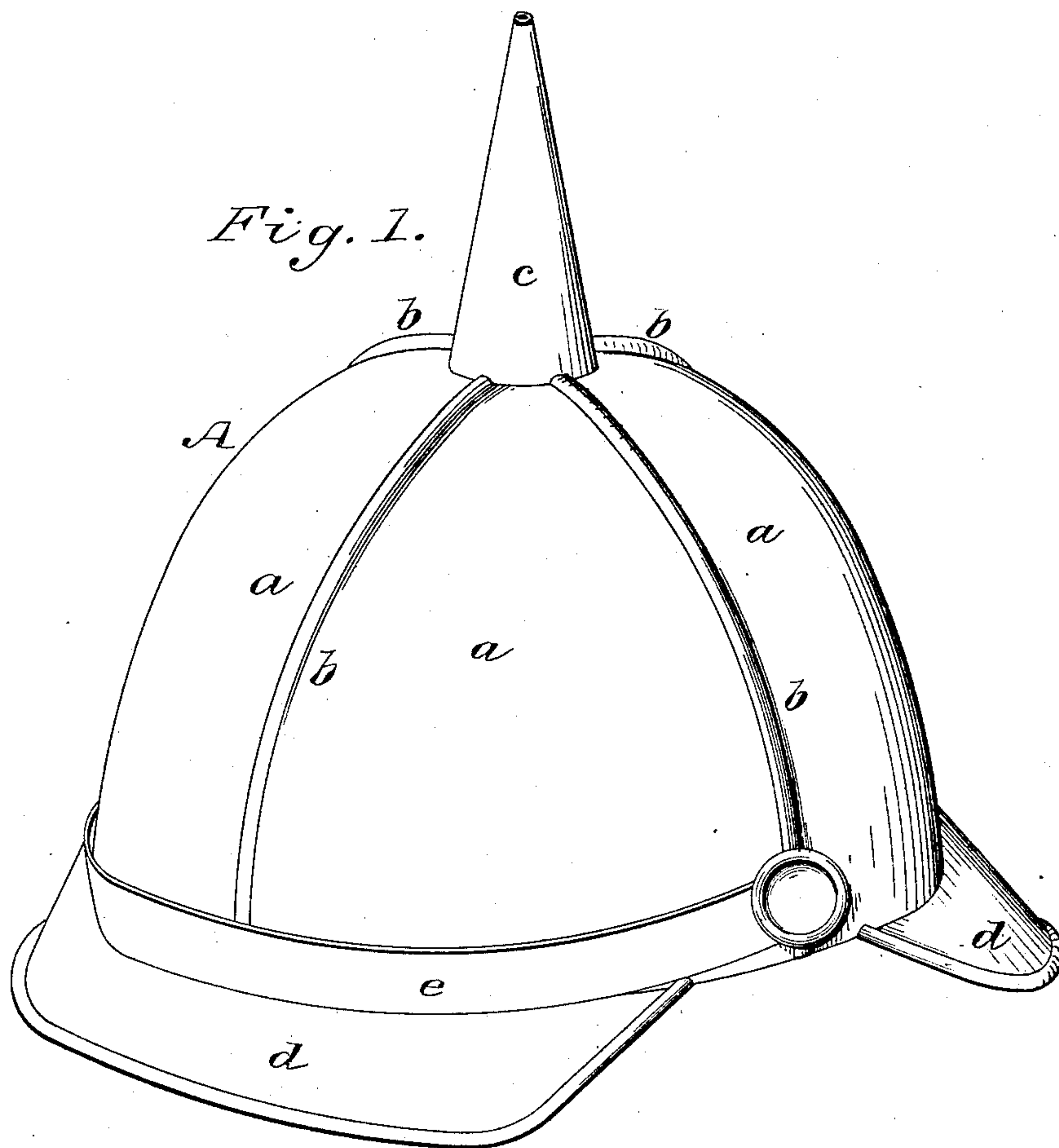
(No Model.)

C. H. LINDENBERG & E. G. DRAKE.

METALLIC HELMET HAT.

No. 318,192.

Patented May 19, 1885.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

CHARLES H. LINDENBERG AND EDWARD G. DRAKE, OF COLUMBUS, OHIO.

## METALLIC HELMET HAT.

SPECIFICATION forming part of Letters Patent No. 318,192, dated May 19, 1885.

Application filed July 23, 1884. (No model.)

*To all whom it may concern:*

Be it known that we, CHARLES H. LINDENBERG and EDWARD G. DRAKE, both of Columbus, in the county of Franklin and State of Ohio, have invented a new and Improved Metallic Helmet Hat, of which the following is a full, clear, and exact description.

Heretofore it has been the practice, in making metallic helmet and similar hats, to spin the crown of the hat from a continuous piece of sheet metal, or to make the crown in two parts by swaging or drawing two semicircular blanks of sheet metal into concave and oval form in a suitable forming-die, the two parts being subsequently soldered together or otherwise secured together. Both of these methods are objectionable, chiefly on account of expense.

The object of our invention is to provide a cheap metallic helmet hat; and to this end our invention consists in making the crown of the hat of four triangular sections of sheet metal struck into concave form in a suitable drop-press or die.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of a helmet-hat made in accordance with our invention, and Fig. 2 shows one of the formed sections of which the crown is composed.

The crown A of the hat is composed of the four triangular concaved sections *a a*, jointed together as shown at *b*. The sections *a* are each made from a triangular piece of sheet metal (tin preferred) struck up in a drop-press into concave form, the sections being each beaded at the side edges, as shown at *b' b'*, to form the joints *b*, as shown clearly in Fig. 1. The sections thus formed are joined with solder, and provided with the point *c* at the top, which completes the crown. The crown is then provided with the front and back pieces, *d d*, and with the strap *e*, thus completing the hat. Made in this manner, the sections *a* may be shaped very rapidly with comparatively inexpensive machinery and little labor, and inferior tin may be used, so that the hat may be made very cheap.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a metallic helmet hat, the crown composed of a number of concaved triangular sections jointed together at their side edges, substantially as shown and described.

CHAS. H. LINDENBERG.  
EDWARD G. DRAKE.

Witnesses:

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