

(No Model.)

J. C. GOEBEL.

HAT OR CAP.

No. 345,965.

Fig. 1. Patented July 20, 1886.

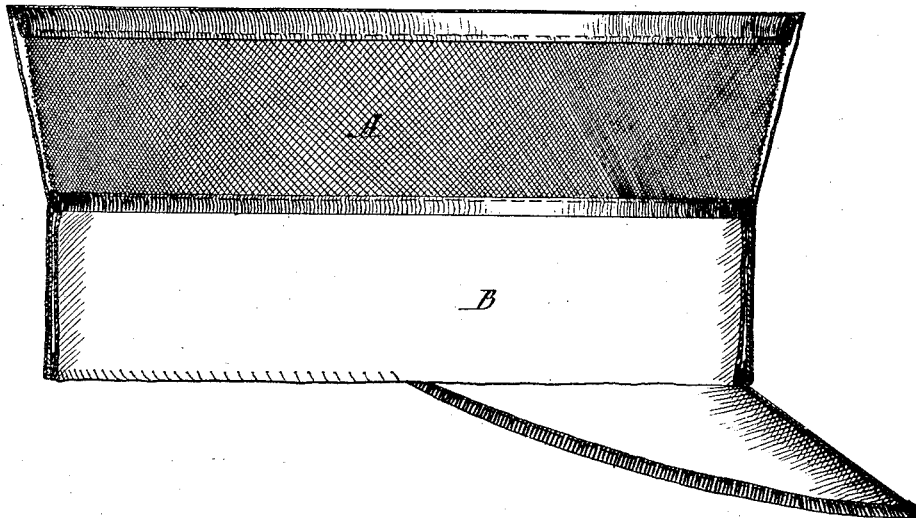


Fig. 2.

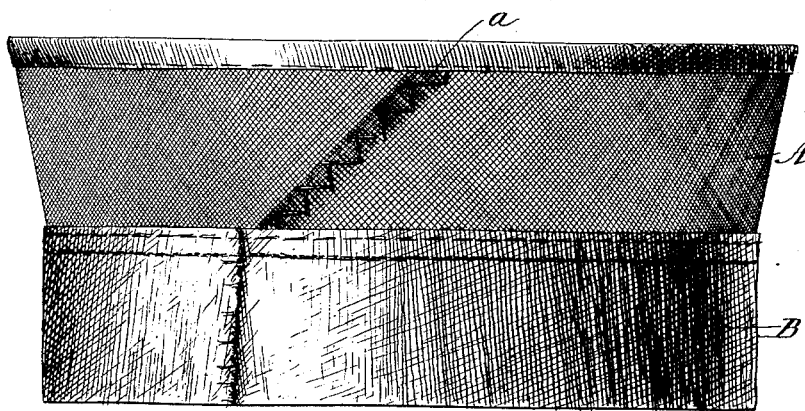


Fig. 3.



Witnesses:
Frank J. Blanchard
Anton Schoeninger

Inventor:
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By *Wm H. Lutz*
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UNITED STATES PATENT OFFICE.

JOHN C. GOEBEL, OF CHICAGO, ILLINOIS.

HAT OR CAP.

SPECIFICATION forming part of Letters Patent No. 345,965, dated July 20, 1886.

Application filed March 16, 1886. Serial No. 195,323. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. GOEBEL, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Caps and Hats, of which the following is a specification, reference being had therein to the accompanying drawings.

The object I have in view is to provide a very light and stiff body or skeleton for caps and hats, that will form a durable stay for the sides of the crown and an elastic stretcher for the flexible tip; and for that purpose my invention consists in making such skeleton for the crown of wire-cloth, cut in a manner that the woven wires are on diagonal lines relative to the band and tip, and that the connecting seam of the joint of the wire-cloth is also on a diagonal line, all as more fully hereinafter described and specifically claimed.

In the accompanying drawings, Figure 1 represents a vertical section of a cap having my improvements; Fig. 2, an elevation of the body or skeleton detached, and Fig. 3, a vertical section of such body or skeleton.

Corresponding letters in the several figures of the drawings designate like parts.

The skeleton for the side crown, A, I make of tinned wire cloth about No. 36, which, as shown in the drawings, is cut in a manner that, relative to the horizontal line of the tip, the wires will be on an angle of about forty-five degrees. The ends of this band of wire-cloth are cut parallel with the warp or weft wires, and the overlapping ends are secured together by stitching to form an angular seam, *a*. For an expanded tip of the cap the side crown has to be conical, and the pattern for the wire-cloth skeleton is cut accordingly. Around the upper edge of this wire-cloth ring is secured a baleen cord covered with a ribbon binding, and the lower edge of this wire-cloth ring is secured by stitching to the body-band, B, made of varnished buckram or

other sized fabric, and to this is secured the visor or brim. This body or skeleton may be covered with any kind of woven fabric, and while it affords a stiff and yet perforate stay for the side crown of the cap or hat, it forms at the same time an elastic stretcher-frame for the flexible tip, that will keep such tip straight and from flapping or bulging even when wet from rain. The essential features of my device, therefore, is not only the use of wire cloth for the stay or skeleton of the side crown of a hat or cap, but also the peculiar cutting of the wire-cloth to have its wires on a diagonal line to the edges of the cloth, as else the desired elastic expansion and contraction of the side crown for stretching the tip will not be obtained, and that otherwise the shape of such wire cloth body cannot be made conical.

I am aware that hair-cloth has been used for the crown-lining in hats and caps, in which, however, the warp only is horse or cow tail hair, and the weft is cotton, and therefore it can afford stiffness only in one direction, and will not render the expanding elasticity I obtain with the use of wire-cloth in the manner described, besides that wire cloth is not affected by water, while hair-cloth with becoming wet will shrink.

A cap or hat thus made is very light and ventilating, and will retain its original shape until worn out.

What I claim is—

In a cap or hat having a flexible tip, the body or skeleton of the side crown, formed of wire-cloth, the ends of which are connected by angular seams *a*, as set forth.

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

JOHN C. GOEBEL.

Witnesses:

ANTON SCHOENINGER,
HARRIS W. HUEHL.

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It is hereby certified that in Letters Patent No. 345,965, granted July 20, 1886, upon the application of John C. Goebel, of Chicago, Illinois, for an improvement in "Hats or Caps," an error appears in the printed specification requiring the following correction, viz.: In line 81, the word "seams" should read *seam*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 28th day of June, A. D. 1892.

[SEAL.]

GEO. CHANDLER,
First Assistant Secretary of the Interior.

Countersigned:

W. E. SIMONDS,
Commissioner of Patents.