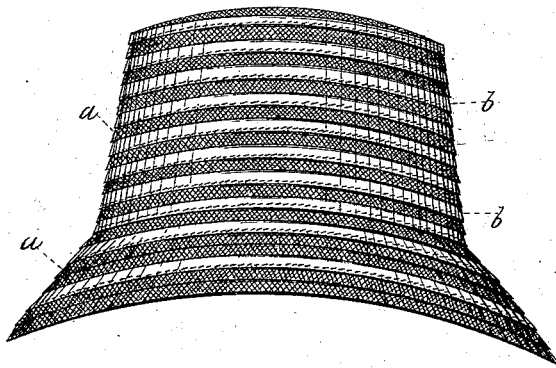
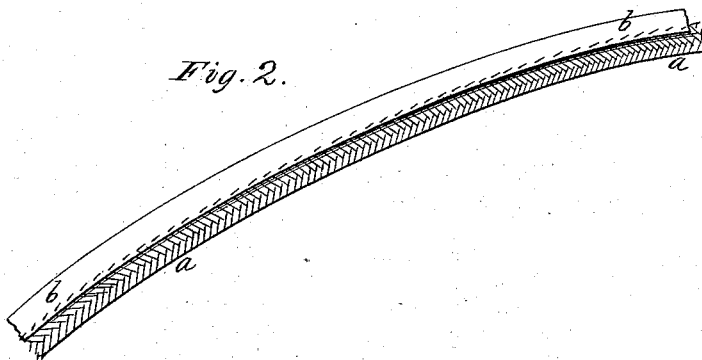


J. HEIMANN.  
Manufacture of Hats, Caps, and Bonnets.  
No. 217,284. Patented July 8, 1879.

*Fig. 1.*



*Fig. 2.*



*Attest:*

*John E. Gavin*  
*Chas. M. Higgins*

*Inventor:*

*Julius Heimann*  
*J. S. H. Waters & Co.*  
*Attys*

# UNITED STATES PATENT OFFICE.

JULIUS HEIMANN, OF NEW YORK, N. Y.

## IMPROVEMENT IN THE MANUFACTURE OF HATS, CAPS, AND BONNETS.

Specification forming part of Letters Patent No. **217,284**, dated July 8, 1879; application filed June 5, 1879.

### *To all whom it may concern:*

Be it known that I, JULIUS HEIMANN, of New York city, have invented certain new and useful Improvements in the Manufacture of Hats, Caps, and Bonnets, of which the following is a specification.

In a former patent, granted to me May 13, 1879, I have shown a novel form of felt hat or bonnet made of cut strips of cloth or felt sewed concentrically together in the manner of straw goods. My present invention aims to provide a hat or bonnet more especially adapted for the intermediate seasons, combining the materials usually employed for summer and winter, such as straw and felt, thus forming a hat of a more novel and attractive character, and better adapted for spring and fall wear.

My invention may, therefore, be stated to consist in a hat, cap, or bonnet formed of lines or windings of straw or other braid, with alternate or intervening lines or windings of cut strips of cloth or felt, sewed concentrically edge to edge, in the well-known manner of straw-braid sewing, thus forming an improved and novel article of manufacture.

The invention also consists in a compound braid for the manufacture of the improved hats, as hereinafter set forth.

Figure 1 of the annexed drawings represents a hat formed according to my present invention. It is composed, as illustrated, partly of cut strips of felt or cloth and partly of braided strips of straw, chip, or hair, which are arranged in alternating lines, as illustrated.

The straw, linen, chip, or hair braid *a* is of the usual kind, while the strips of cloth or felt *b* are cut from sheets or pieces of felt or cloth in continuous lengths, as described in my aforesaid patent. The straw or other braid and the cut strip of felt or cloth may be first stitched together, edge to edge, and to the desired length, and the compound strip or braid may then be stitched concentrically on blocks or

frames, in the usual manner, to form the complete hat or bonnet. The strips of felt and braid may, however, be sewed together at the same time directly on the frame or block.

I prefer to have every line of the straw or other braid alternate with every line of the felt; but it is obvious that the felt and the straw may alternate in several continuous lines, and that there may be several continuous lines of straw or other braid to one of the felt strip, or vice versa.

It will also be understood that the proprietor may furnish the felt or cloth strips to the hat manufacturer to combine with the ordinary straw or other braid to form the new hat, or he may furnish the straw braid and the felt strip secured together in a compound braid, as illustrated in Fig. 2, which forms part of my present invention.

When the hat is sewed or formed on the block or frame it may be sized or pressed in any of the existing methods, which do not require description.

The advantage of the improved hat is that it can be manufactured cheaply, and is better adapted to intermediate seasons than are other hats, and it moreover presents a dressy and pleasing appearance.

What I claim as my invention is—

1. A hat, cap, or bonnet formed of alternate windings or lines of straw or equivalent braid and cut strips of cloth or felt sewed concentrically together, substantially as herein set forth.

2. As a new article of manufacture, a compound braid or strip for the manufacture of hats or bonnets formed of straw or equivalent braid and a cut strip of cloth or felt secured together in continuous lengths, substantially as herein set forth.

JULIUS HEIMANN.

Witnesses:

M. T. WALL,  
ED. STIEGLITZ, Jr.