A. L. DIAMANT & C. H. TOBIAS.

Hat.

No. 197,767. Patented Dec. 4, 1877.

Fig. 1.

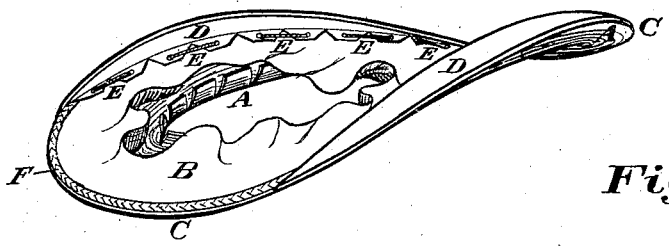


Fig. 2.

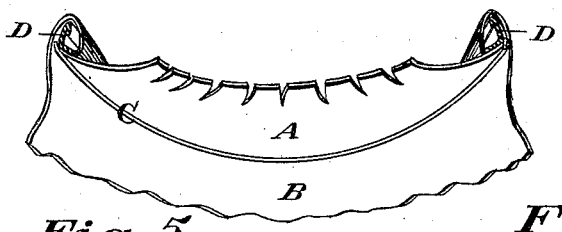


Fig. 5.

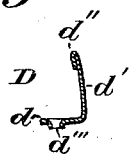


Fig. 3.

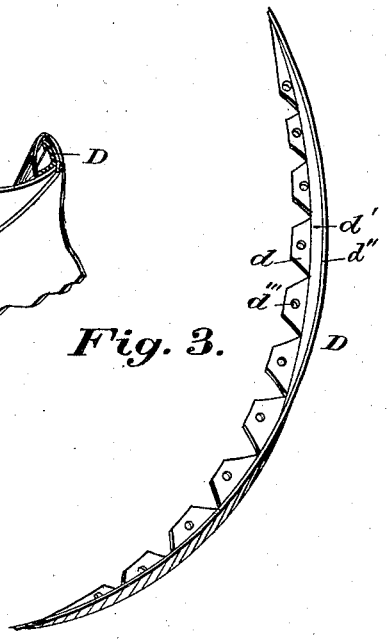
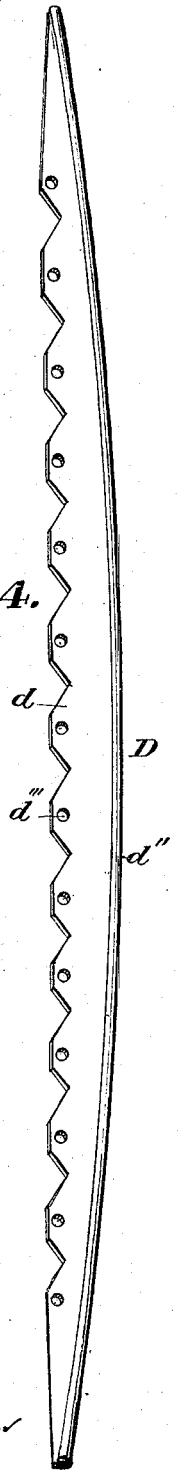


Fig. 4.



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UNITED STATES PATENT OFFICE.

ABRAHAM L. DIAMANT AND CHARLES H. TOBIAS, OF CINCINNATI, OHIO.

IMPROVEMENT IN HATS.

Specification forming part of Letters-Patent No. **197,767**, dated December 4, 1877; application filed May 4, 1877.

To all whom it may concern:

Be it known that we, ABRAHAM L. DIAMANT and CHARLES H. TOBIAS, both of Cincinnati, Hamilton county, Ohio, have invented a new and useful Hat-Curl, of which the following is a specification:

Our invention relates to a new and useful curl or stiffening piece for hat brims; and consists of a sheet of tin or other sheet metal, so formed and bent as to possess a notched or scalloped portion or flange, perforated for the insertion of stitching, by which the curl is attached to the hat-brim, and an upward-extending portion, which constitutes the curl proper.

This curl is produced of the proper shape before attachment to the hat-brim, the flange resting flatly thereupon and securing the proper form and position thereof.

In the accompanying drawings, Figure 1 is a perspective view of a hat-brim provided with our improved curl. Fig. 2 is a vertical transverse section of the same. Fig. 3 represents the curl itself, drawn to a larger scale, and ready to be placed upon the hat and sewed thereupon, as represented in Fig. 1. Fig. 4 is a full-sized representation of our curl before bending; and Fig. 5 is a full-sized section of our curl at its midlength.

A may represent the brim proper. B may represent the customary cloth or other cover, and C the customary marginal wire.

D is our curl, preferably of sheet metal, and cut and punched as shown in Fig. 4, and then bent to the form shown in Figs. 3 and 5—that is to say, with the notched portion *d* so bent relatively to the portion *d'* as to constitute a scalloped flange. The edge of the curl remote from said flange is preferably doubled, as shown in *d''*, so as to present a smooth and rounded upper edge, around which the cover B is drawn in finishing the hat.

Perforations *d'''* in the flange *d* enable the curl to be stitched to its place on the brim, as shown in Fig. 1. These perforations are preferably punched from above downward, as shown in Fig. 5, in order to present the smooth surface of the metal sheet to the thread E, and prevent chafing.

The dimensions of the curls are such as to leave unoccupied spaces at the front and rear of the brim, to which soft cotton or other cording, F, is applied in the manner shown.

The above-described flange-curl is furnished to the hatter the exact shape it is designed to have in use, the notched flange *d* sitting firmly upon the brim, and determining the position of the rib *d'*, the notches in the flange enabling the curl to be brought to the precise compound curve indicated in Figs. 1 and 3 without buckling, and also serving to lighten the hat.

The curls being conterminous with the side portions only of the brim, permit considerable flexibility in the front and rear portions, making the hat more agreeable to wear, and less liable to injury than one having a comparatively rigid stiffening-piece entirely around the brim. Such a curl is also more easily and cheaply attached to its brim than would be a flangeless one not already formed to the right shape.

We claim as new and of our invention—

1. The curl D, of sheet metal or its equivalent, having the scalloped and perforated flange *d*, substantially as and for the purpose set forth.

2. The combination, with a hat-brim, of a pair of flanged curls, D *d d' d'' d'''*, attached to opposite sides of the brim, and the interposed cord F, or other soft filling, substantially as set forth.

In testimony of which invention we hereunto set our hands.

ABRAHAM L. DIAMANT.
CHARLES H. TOBIAS.

Attest:
GEO. H. KNIGHT,
WALTER KNIGHT.