To all whom it may concern:

Be it known that I, Harvey M. Owens, a citizen of the United States, residing at Leominster, in the county of Worcester and State of Massachusetts, have invented a new and useful Card for Mounting Hair-Pins and the like, of which the following is a specification.

Although several cards have been designed for the purpose of receiving hair-pins for packing and display purposes, they have been open to several objections. The most popular cards now in use are slit longitudinally in a plurality of places for receiving each hair pin and these longitudinal slits are arranged to form bands under which the hair pins are placed. Ordinarily these slits are in alinement, and consequently it is easy for the paper or card-board to tear out between the adjacent ends of these slits which of course extend toward each other. Various ways have been devised for obviating this difficulty. Furthermore with that type of card it is impossible to place the pins in so securely as to prevent their being shaken out of position and dropped from the card occasionally when the card is lifted by its bottom edge. This is a source of considerable annoyance and wastes a great deal of time. Furthermore the cards are wrinkled up considerably by this method and they are not very durable.

The principal objects of this invention are to provide a construction by which all these difficulties may be avoided wholly or partially, and especially to provide an arrangement whereby the number of hair pins that can be placed on a card is almost doubled. Reference is to be had to the accompanying drawings in which—

Figure 1 is a front elevation of a portion of a card constructed in accordance with this invention with the hair pins in place thereon;

Fig. 2 is a similar view of a portion of the card with the pins removed, and
Fig. 3 is a sectional view on the line 3—3 of Fig. 1.

In order to accomplish the above mentioned objects the card A on which the hair pins are to be mounted is provided preferably with four substantially semi-elliptical cuts or openings 10, 11, 12 and 13 for each hair pin that is to be mounted on the card.

The two cuts 10 and 11 are arranged in vertical alinement with each other on the card and the cut 12 is also substantially in alinement with these, while the cut 13 is placed to the right. In all cases the convex portion of the cut is placed at the bottom so that a tab is produced integrally connected with the card at the top and depending toward the bottom.

In the use of the card each hair pin is placed with one leg, in the present case the left one, through the two cuts or openings 10 and 11 and the tip of that leg is inserted in the opening 12 below, which is spaced at the proper distance from the opening 11 to permit of this condition. The other leg is entirely free from the card except at its lower or tip end which is placed in the opening 13. It will be noticed that these two openings 12 and 13 are located quite near each other but at different elevations on the card and that they are spaced a considerable distance from the opening 11. In this way the pin is held by one leg having a three-point bearing, so to speak, on the card. The other leg although free at its upper portion, is sufficiently held in place by catching the end of it into the opening 13, and when the whole series of pins are mounted on the card in this manner this leg preferably overlaps the opposite leg on the next pin, as indicated in Fig. 1, and bears on it with a light pressure.

It is found in practice that on account of the three-point bearing of one leg of the pin the resiliency of the card holds the other leg against the card, assisted, of course, by the placing of the point of the pin in the opening 13, and furthermore I have found that even if the other point of the pin is not placed in the opening 12 similar conditions will exist, because that point even then bears on the front of the card, and a three-point bearing is furnished. In this way it will be seen that without weakening the card nearly twice as many pins can be placed upon a card of a given length as is the case with the ordinary arrangement. In spite of this additional number of pins mounted on the card the openings or cuts 10 and 11 are a sufficient distance from each other so that there is practically no danger of their breaking through between them. Furthermore the ends of these cuts do not extend toward each other, but are located vertically on the card so that they can be spaced a sufficient dis-
tance apart. Thus a tear in the card is not started readily at these points.

Another important feature is the fact that it is found that with this construction the cards are not bent out of shape as much as has been the case with the old constructions described above. In other words the card lies almost flat when the pins are upon it.

It is to be noticed also that the points of the pins are held together. This not only helps keep them in position on the card but prevents their natural tendency to spread apart. This is important because the pins are sometimes kept in stock a long while on these cards.

From what has been said it will be seen that a material economy is secured in the amount of card-board used to mount a definite number of pins, the pins are mounted more securely on the card-board, they do not readily fall out when it is inverted, thus economizing the time of the salesman, and the appearance of the card with the pins mounted thereon is materially improved.

Although I have illustrated and described only a single embodiment of the invention I am aware of the fact that many modifications can be made therein by any person skilled in the art without departing from the scope of the invention as expressed in the claims. Therefore I do not wish to be limited to all the details of construction herein shown and described, but what I do claim is:

1. As an article of manufacture, a card for hair pins and the like, said card being provided with a single pair of openings in vertical alinement near the top thereof for receiving one leg of each hair pin, and two openings near the bottom thereof for receiving the ends of the two legs of the pin.

2. As an article of manufacture, a card for hair pins having three openings substantially in alinement for receiving one leg of each pin and only one opening for the other leg.

3. As an article of manufacture, a card for hair pins and the like, said card having two rows of openings at the top, those in the lower row being substantially in vertical alinement with those in the top row, each pair of openings being arranged nearer together than the width of a hair pin so that the pins overlap, and twice as many sets of openings at the bottom of the card as there are openings in the top row for receiving the points of the legs of the hair pins.

In testimony whereof I have hereunto set my hand.

HARVEY M. OWENS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D.C."