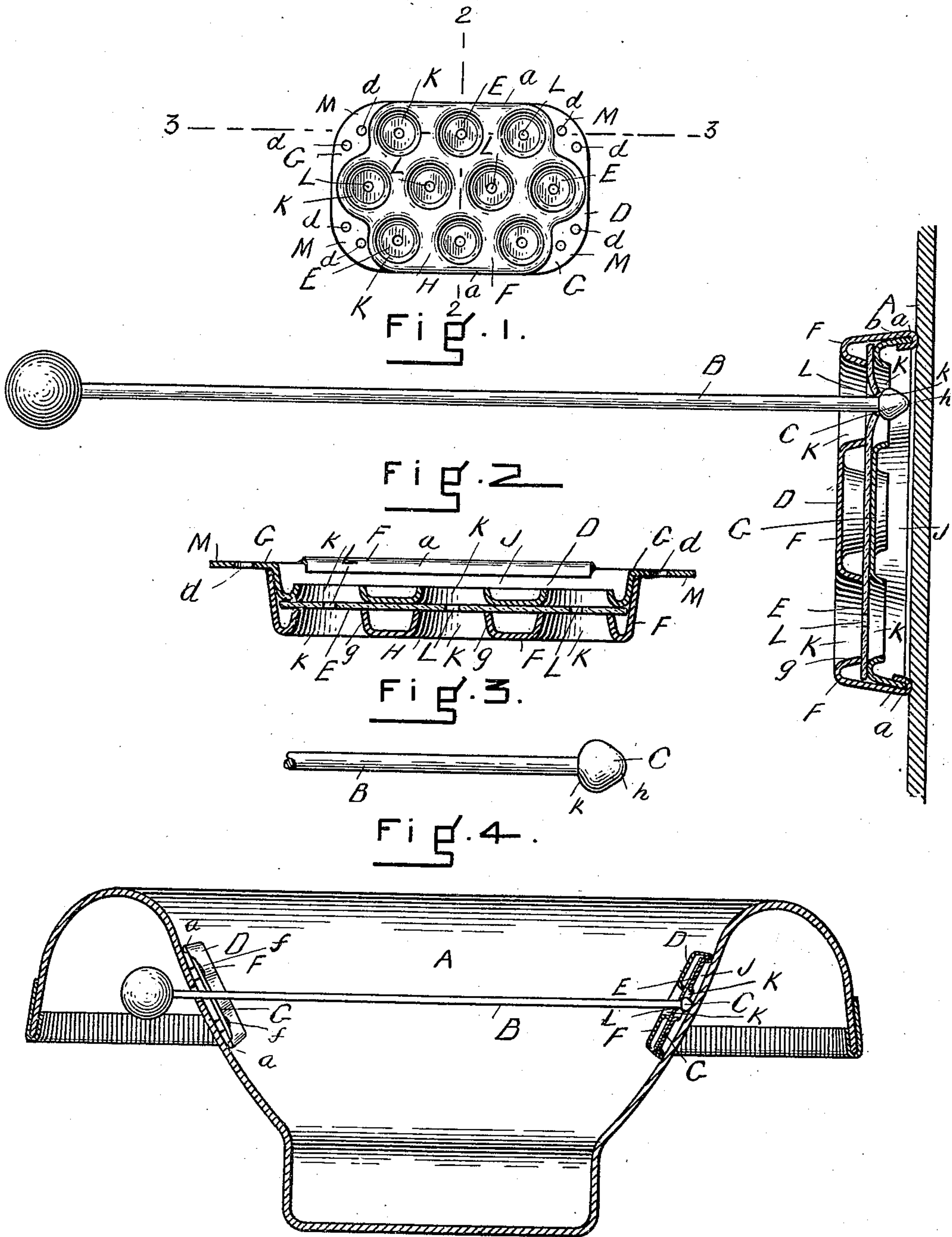


(No Model.)

W. Y. ALLEN.
HAT FASTENING DEVICE.

No. 513,029.

Patented Jan. 16, 1894.



WITNESSES.

Leona C. Arms
George B. Kelly

FIG. 5.

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UNITED STATES PATENT OFFICE.

WILLIAM Y. ALLEN, OF BOSTON, MASSACHUSETTS.

HAT-FASTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 513,029, dated January 16, 1894.

Application filed August 15, 1893. Serial No. 483,224. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM Y. ALLEN, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and
5 useful Improvements in Fastening or Securing Devices, of which the following is a full, clear, and exact description.

This invention relates to a fastening attachment, applicable for various purposes and
10 more particularly intended for use for securing a head covering, such as a lady's hat or bonnet, in position on the head of the wearer; and the invention consists in the features of construction and the combination or arrangement
15 of devices hereinafter fully described and claimed, reference being had to the accompanying sheet of drawings in which is shown, this improved fastening device; in which—

Figure 1 is a plan view of one part of the
20 fastening device; Fig. 2 a cross section on line 2—2 Fig. 1 with the other part in connection therewith in side view. Fig. 3 is a cross section, on line 3—3 Fig. 1. Fig. 4 is a detail side view of one part of the fastening device.
25 Fig. 5 is a cross section of a lady's hat with this improved fastening device attached thereto and showing its manner of use. Figs. 1 to 4 inclusive show the fastening considerably enlarged in order to show more clearly
30 its mode of construction.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

35 A, indicates a head covering, such as a lady's hat or bonnet, and which is of any construction, shape or fashion desired.

B, is one part of the fastening which is in the form of a pin or wire having an enlargement in the form of a small knob, ball or
40 shoulder C; D is the other part or pin engaging device. This device is composed substantially of a perforated sheet of flexible yielding material E, and a support for supporting
45 the flexible sheet away from the hat or bonnet body, or other article to which the device is secured, which support preferably comprises two perforated plates F, G, of rigid material, preferably of metal with the perforated sheet
50 E, of flexible yielding material arranged between them. The flexible sheet is preferably composed of india rubber, and the metal

plates are preferably struck up or raised in their middle portions, as at H, to provide a central space J, thereunder, and secured together at their edges. The two metal plates
55 have their perforations or holes K, opposite to each other, and the intermediate sheet of flexible material has its perforations or holes L, made therethrough, opposite to and preferably centrally coincident with the holes in
60 the metal plates, as shown in Figs. 2 and 3 more particularly. The perforated plates F, G, of rigid material with the intermediate perforated sheet E, of flexible material between
65 them are secured together, at their edges by lapping the edges of the outer plate F, at each side a, around or over the side edge b, of the other or inner plate G, and pressing them
70 close together, as shown in section in Fig. 2, more particularly, whereby the intermediate sheet of flexible material is properly secured in position; the plates however can be secured together by rivets, solder or other suitable means.

At each corner M, of the inner plate G, beyond the outer plate F, are holes d, for securing the pin-engaging device D, to the inside
75 of the head covering A, by stitches f, or the pin-engaging device D, may be attached by
80 a suitable adhesive material or in any suitable manner.

In the practical use of my invention on a lady's hat, the hat, bonnet or other head covering having the pin-engaging device D, attached thereto, on its inner side as shown in
85 Fig. 5, is placed on the head, and the enlargement, knob or ball C, of the pin or wire B, is pressed through the side of the hat opposite that on which the pin-engaging device is
90 secured, and the pin or wire is forced through the hair into and through any one of the perforations or holes K, in the metal plates and holes L, in the yielding material, the elasticity of the latter permitting the passage
95 of the enlargement, knob or ball C, after which the flexible material closes upon the pin or wire back of the enlargement, knob or ball, and holds the pin or wire in position, its escape being prevented by the enlargement
100 knob or ball abutting against the inner side of the perforated sheet of flexible material.

The perforations or holes in the flexible or rubber sheet are shown as smaller than the

pin or wire, so that there is sufficient cling of said sheet incident to its elasticity upon the pin or wire to prevent the enlargement or knob or ball thereof from passing back
 5 through the flexible sheet, in the absence of some unusual or extra strain or pull upon it, whereby the hat, bonnet or other head covering is secured to the head of the wearer.

If desired a similar pin-engaging device can
 10 be secured to the opposite side of the head covering, so that two pins or wires can be used, one from each side. By having many perforations or holes in the rigid and flexible sheets, the pin or wire can be readily in-
 15 serted, and without special care as to its direction from the opposite side of the hat it will be sure to strike and enter one of the perforations or holes, and its enlargement, knob or ball caused to pass therethrough into en-
 20 gagement with the pin-engaging device.

The perforations or holes in the outer metal plate are preferably more or less beveled or tapering as at *g*, to insure the entrance of the enlargement, knob or ball of the pin or wire
 25 if it should strike at one side of a perforation or hole, and the enlargement is preferably more or less sharp at its outer end *h* as shown to have it enter more freely the perforations in the flexible sheet, and more or less bevel-
 30 ing at its inner side *k*, to allow for a comparatively easy withdrawal and yet blunt enough to prevent its easy detachment therefrom.

I use a support for supporting the flexible sheet around and about its perforations, and
 35 to hold it up or away from the head covering to provide a space between it and the head covering for the enlargement, knob or ball of the pin or wire. The support is preferably composed of the two metal plates of rigid ma-
 40 terial, as hereinbefore explained.

If desired, a small hole or slit can be made in the side of the hat opposite the side carry-
 ing the pin-engaging device, for the easier in-
 45 sertion of the pin or wire.

A single perforation or hole may be made in the flexible sheet and in the rigid plates, but obviously a series of perforations or holes is preferable as this insures the securing of the pin or wire with less care and trouble.

50 As shown in the drawings the metal plates are bent inward at *m*, to make the holes or

perforations but as is obvious the plates can both be flat or in any suitable manner, the invention not being limited to any particular manner of making the plates and their holes
 55 and perforations or in securing the same together and to the article desired.

Having thus described my invention, what I claim is—

1. A fastening attachment for head cover- 60 ings, consisting of a perforated sheet of flexible yielding material, a support for said sheet, and a pin or wire having an enlargement or knob on its end to engage the flexible sheet, substantially as described. 65

2. A fastening attachment for head cover- ings, consisting of a perforated sheet of flexible yielding material, and a support for said sheet adapted to be secured to the head cover- 70 ing, substantially as described.

3. A head covering having a fastening at- 75 tachment, consisting of a perforated sheet of flexible yielding material, and a perforated plate of rigid material superimposed on the yielding material and secured to the head covering to support the yielding material away from the body of the head covering, substantially as described.

4. A head covering having a fastening at- 80 tachment, consisting of a perforated sheet of flexible yielding material, and two perforated plates of rigid material secured to the head covering and between which the sheet of flexible material is arranged, substantially as de- 85 scribed.

5. A head covering having a fastening at- 85 tachment, consisting of a perforated sheet of flexible yielding material and a perforated plate of rigid material superimposed on the yielding material and secured to the head 90 covering, said plate having its central portion pressed up or raised and supporting the flexible material away from the body of the head covering, substantially as described.

In testimony whereof I have hereunto set 95 my hand in the presence of two subscribing witnesses.

WILLIAM Y. ALLEN.

Witnesses:

EDWIN W. BROWN,
 LEONA C. ARNO.