

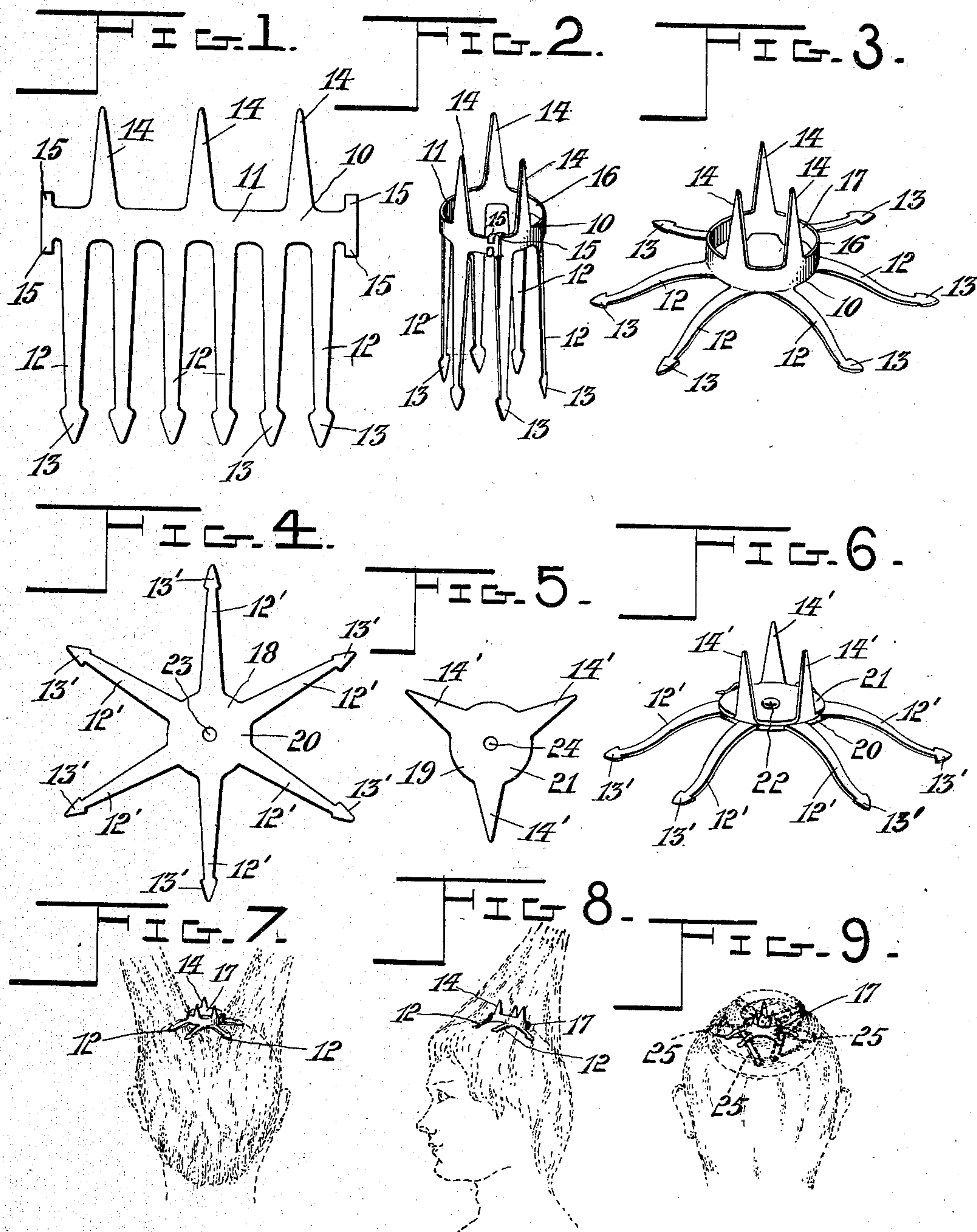
No. 731,575.

PATENTED JUNE 23, 1903.

H. A. JOHNSTON.
HAIR SUPPORTER.

APPLICATION FILED MAY 8, 1902.

NO MODEL.



Witnesses:

John F. Deffenbach
George W. Colles

Howard A. Johnston, Inventor,

By *Marion A. Marion*

Attorneys

UNITED STATES PATENT OFFICE.

HOWARD ADDISON JOHNSTON, OF INGERSOLL, CANADA.

HAIR-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 731,575, dated June 23, 1903.

Application filed May 8, 1902. Serial No. 106,415. (No model)

To all whom it may concern:

Be it known that I, HOWARD ADDISON JOHNSTON, a subject of the King of Great Britain, residing at Ingersoll, county of Oxford, Province of Ontario, Canada, have invented certain new and useful Improvements in Hair-Supporters; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improved means for supporting the hair in proper position on the head; and to this end I provide a hair-supporter formed of a single piece of sheet metal or other suitable material, which will be of very trifling cost, will enable hair-pins to be largely dispensed with, and will hold the hair firmly in place upon the head without the liability of its becoming disengaged and falling down out of its proper position.

The objects of my improvement are to produce a hair-supporter which will thus hold the hair firmly in place, avoid the necessity of more than one or two hair-pins, and hold the hair so securely in position that it need not be taken down at night, but may be worn in position and will be found without disarrangement in the morning.

A further object of my invention is to secure the hair in such manner that a hat-pin inserted beneath the supporter will hold the hat much more firmly on the head than is now the case.

A further object of my invention is to provide an improved supporter that may be quickly placed upon the head and the hair properly arranged thereover without the necessity of any peculiar or difficult process of inserting the hair through holes in the supporter or otherwise entangling it therewith, so that it will be impossible under ordinary circumstances for the hair to become entangled in the supporter.

A further object of the invention is to provide a supporter which shall present smooth surfaces and no sharp points to catch or pull the hair under any circumstances.

Further objects of the invention will appear from the accompanying description and are particularly brought out in the claims.

I have shown two preferred forms of my in-

vention in the accompanying drawings, in which—

Figures 1, 2, and 3 show one form of the invention, which may be punched from a single sheet of metal and bent without difficulty into its finished shape, and of these Fig. 1 shows a blank as punched from the sheet metal, Fig. 2 is a perspective view of the same when bent into a circular form and its ends secured together, and Fig. 3 is a perspective view of the finished supporter, shown in this figure as formed in a single piece of celluloid or hard rubber. Figs. 4, 5, and 6 show a second form of the supporter, which will ordinarily be formed of two punched pieces of sheet metal riveted together, and of these Figs. 4 and 5 show the two punchings for the upper and lower portions of the supporter, and Fig. 6 shows the two punchings of Figs. 4 and 5 secured together by a rivet and bent into the position to form a complete supporter. Figs. 7, 8, and 9 are views showing the application of the supporter to the head and the hair coiled thereon and secured thereto.

The same numerals of reference denote like parts in all the figures of the drawings.

In the first of the two forms shown in the drawings, which I consider the generally preferable form, a single piece 10 will be punched from sheet metal or hard rubber, this piece being formed with a body-band 11, from the lower side of which project a series of rather long legs 12, herein shown as six in number, the bottom of these legs being formed with triangular enlargements or barbs 13, having rounded corners, as shown, the object of these enlargements being to engage in the hair to hold the supporter firmly in place, while their rounded corners will prevent the hair or the head from being cut or becoming entangled therewith. From the upper side of the band 11 project points 14, which will ordinarily have extremities sufficiently sharp to pierce the hair and allow the same to be impaled thereon, while at the same time their edges are sufficiently rounded so as not to cut the hair. Furthermore, on each end of the band 11 are formed a pair of vertically-projecting tabs 15, the purpose of which is to form interlocking means for the ends of the band when the same is bent into a ring 16, as shown in Fig. 2, the ends of the band 11 being se-

cured together for this purpose by bending over the tabs 15, so as to embrace the opposite end of the band in the manner shown in Fig. 2. To complete the hair-supporter, the
 5 legs 12 will now be bent outwardly into preferably curved form, as shown in Fig. 3, the enlargements 13 being flattened out, so that they will lie flat upon the head and form sufficient bearing-surface for the supporter. The
 10 points 14 will be left, however, in their upwardly-projecting positions for the purpose hereinbefore named.

The supporter 17 (shown in Fig. 3) may be made of hard rubber or celluloid, which may
 15 be cast or pressed into the finished form or into the form shown in Fig. 2, the tabs 15 being omitted from this figure, as the ends of the band will ordinarily be secured together by fusion or other means.

20 The second form of my supporter (shown by Figs. 4, 5, and 6) will be made from two star-shaped punchings of any of the materials which may be found preferable, said punchings being designated as 18 and 19,
 25 each of which is formed with a circular body portion 20 and 21, from which, respectively, project the radial legs 12' and points 14'. The legs 12' will be provided at their extremities with enlargements 13', similar to the enlargements 13 and for the same purpose. The
 30 body portions 20 and 21 are of the same size, and to form the complete supporter they will be laid one over the other and secured either by solder or, as herein shown, by a rivet 22,
 35 passing through central apertures 23 and 24, formed in each of the punchings 18 and 19. To complete the supporter, the legs 12' will then be bent into curved form and the points 14' will be bent upwardly into vertical position,
 40 as shown by Fig. 6.

In the application of the supporter the hair is first combed out straight in the usual manner and then divided with the fingers into two lateral portions, between which the
 45 supporter is inserted, so that its projecting legs 12 spread out flat upon the head and engage in the hair at the roots thereof. The enlargements or barbs 13 will be engaged between the hairs and prevent the supporter
 50 from being easily withdrawn or disengaged. The hair will then be brought together in the manner shown in Fig. 8 and coiled into any preferable form, as shown in Fig. 9, the coil being pushed firmly onto the projecting
 55 points 14, so as to be impaled thereon, and hair-pins 25 may then be inserted between the points 14 and under the body portion 16 of the supporter, so as to prevent the hair from being raised out of disengagement with
 60 said points 14. It will thus be seen that these points, coupled with the firm engagement of the supporter close upon the head at the roots of the hair, will absolutely prevent any sidewise motion of the knot, while the

pins will prevent its being loosened or raised 65 vertically.

In securing a hat to the head the hat-pin will ordinarily be inserted close to the head just beneath the body-ring 16 and between the projecting legs 12, so that the hat is se- 70 cured with great firmness and prevented from being blown off, detached, or disarranged by any ordinary disturbance.

It will be understood that while I have shown my improved supporter as formed of 75 sheet material, yet it may be formed of wire or any other way, and, indeed, the wire form of supporter was made by me previous to that herein shown; but I deem the form here- 80 in shown preferable, by reason of the fact that it presents no cracks or crevices which would be liable to catch or entangle in the hairs and cause the same to be pulled out, and, furthermore, it is more simply, easily, 85 and cheaply made.

It is believed that the many advantages presented by my improved supporter and hereinbefore pointed out will be readily recognized by women, and that my device is much superior to anything before known in 90 the art.

Changes within the scope of the appended claims may be made in the form and proportion of some of the parts, while their essential features are retained and the spirit of the in- 95 vention is embodied. Hence I do not desire to be limited to the precise form of all the parts as shown, reserving the right to vary therefrom.

Having thus described my invention, what 100 I claim, and desire to secure by Letters Patent, is—

1. A device for supporting a coil of hair in position on the head, consisting of a body portion, arms projecting radially and down- 105 wardly therefrom and having barb-shaped enlargements at their extremities, and other arms having points projecting upwardly, substantially as described.

2. A device for supporting a coil of hair in 110 position on the head, consisting of a ring having a series of arms formed integrally therewith and projecting outwardly from the lower side thereof, and a series of pointed arms projecting upwardly from the upper side of the 115 ring.

3. A hair-supporter having horizontally-projecting arms adapted to rest on the head and engage the hair at the roots thereof, and a series of vertical projections terminating in 120 points adapted to impale the hair.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

HOWARD ADDISON JOHNSTON.

Witnesses:

THOS. WELLS,
 D. G. CUTHBERTSON.