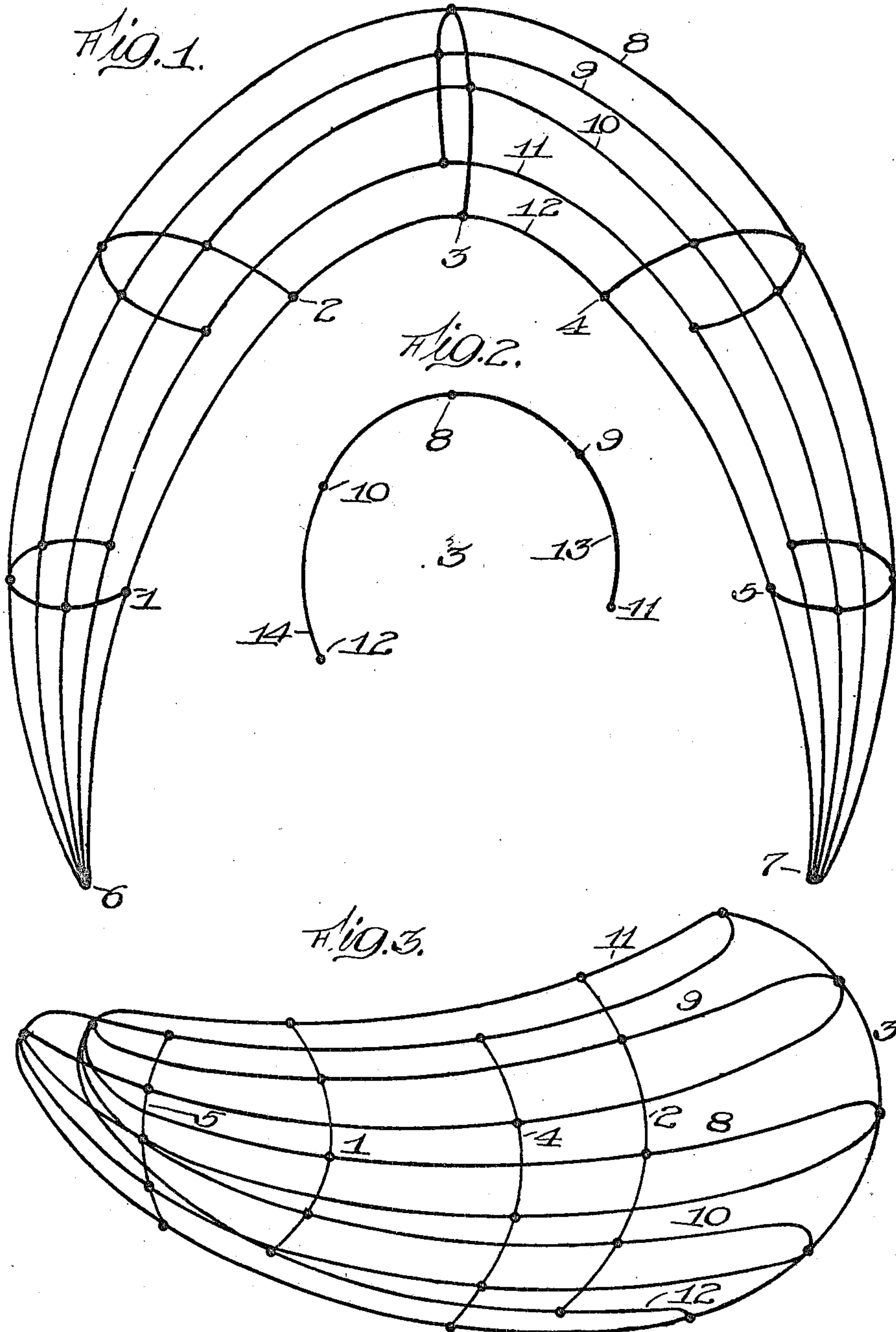


No. 831,590.

PATENTED SEPT. 25, 1906.

E. L. YORK.
RAT FOR THE HAIR.
APPLICATION FILED APR. 7, 1906.



WITNESSES:

L. V. Donarum
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UNITED STATES PATENT OFFICE.

EDGAR L. YORK, OF CHICAGO, ILLINOIS.

RAT FOR THE HAIR.

No. 831,590.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed April 7, 1906. Serial No. 310,486.

To all whom it may concern:

Be it known that I, EDGAR L. YORK, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Rats for the Hair, of which the following is a full, clear, and exact specification.

This invention relates to rats for the hair, heretofore consisting of a crescent-shaped structure having a continuous surface heretofore composed of a wire fabric or a cloth fabric distended by means of spirally-coiled wire distending the same and employed under the hair for dressing purposes thereof and which have heretofore been objectionable because such closed structures are injurious to the life and growth of the hair, due to lack of ventilation.

The prime object of my invention is to provide a rat which is open at the side adjacent the scalp for ventilating purposes and for at the same time conforming to the contour of the head, and thereby promote its stability when in use.

A further object of my invention is to provide a rat for the hair composed of an open-like frame light and sufficiently strong and open along its entire length at the side thereof adjacent the scalp and which provides for a covering of some suitable fabric without obstructing said opening.

With these ends in view my invention consists in certain features of novelty in the construction, combination, and arrangement of parts by which the said objects and certain other objects hereinafter appearing are attained, all as fully described with reference to the accompanying drawings, and more particularly pointed out in the claims.

In the said drawings, Figure 1 is a perspective view of a rat for the hair embodying my invention; Fig. 2, a transverse section to about the center of length thereof, showing the length of one of the sides of the rat to conform it to the contour of the head of the wearer; and Fig. 3 is a side elevation of the same.

Similar numerals of reference indicate the same parts in the several figures of the drawings.

1, 2, 3, 4, and 5 indicate a series of arch-shaped pieces of wire gradually reduced in size toward the free end of a rat—that is to say, the central arch 3 is the largest, the arches 2 and 4 on each side thereof somewhat

reduced in size, and the arches 1 and 5 further reduced in size as compared with the arches 2 and 4. These several arches afford a means for securing in position a number of wires bent to an elliptical form and terminating at each end at common points 6 and 7 with the semi-ellipse of some of them differing in radii—that is to say, the wire 8, which is secured centrally to the top of the arch, is of the greatest radii, the wires 9 and 10, secured farther down on the arch and at opposite sides thereof, of a less radii than that of the wire 8, and the wire 11, secured at one side and the short side of the arch at its end, being of less radii than the wire 10, and the wire 11 at the other and long side of the arch being of less radii than the ellipse formed by the wire 11. In other words, the arches each have a short side 13 and a long side 14 when measured from the position of the top of the wire 8, with the result that every wire of the elliptical wires except 9 and 10 differentiate in radii from every other wire, while these two wires while also likewise differentiating have as to each other the same radii, so that the structure is not only an open structure at one side, but has a long side and a short side, respectively, conforming to the top portion and the forehead of the wearer.

Several advantages are due to having a rat open at one side, as herein described, among which may be mentioned that it affords perfect ventilation, that it perfectly conforms to the contour of the head of the wearer, thereby increasing its stability and immovability when in use, that it may be made lighter in weight and also covered without obstructing the ventilation thereof of the head.

While I have shown and described a rat composed of arches having secured at intervals thereof separated wires of length, my invention includes, broadly, a rat open longitudinally adjacent the head of the wearer and having one side longer than the other when composed of wire fabric or other suitable material adapted to embody these features and at the same time provide proper ventilation for the head of the wearer, and particularly that portion adjacent the scalp.

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

1. A rat crescent-shaped in form provided with a longitudinal opening along one side thereof and having one of its sides longer than the other thereby adapting it to fit the

contour of the head of the wearer, substantially as described.

2. A rat comprising a crescent-like structure composed of wire and having a longitudinal opening, one side wall of which is higher than the other, substantially as described.

3. A rat comprising a crescent-shaped structure consisting of a number of arch-like transverse wires, and supporting longitudinal wires secured at intervals thereof, one side of said arches and structure being longer than the other, substantially as described.

4. A rat consisting of a crescent-shaped structure comprising a number of arch-

shaped transverse wires the size of which arches decrease from the center to both extremities of the arch, and a number of crescent-shaped longitudinal wires secured to said arches decreasing in radii and terminating at common points at the extremities of the rat, substantially as described.

In witness whereof I have hereunto set my hand this 4th day of April, 1906.

EDGAR L. YORK.

In presence of—

E. K. MANCHESTER,
JNO. G. ELLIOTT.