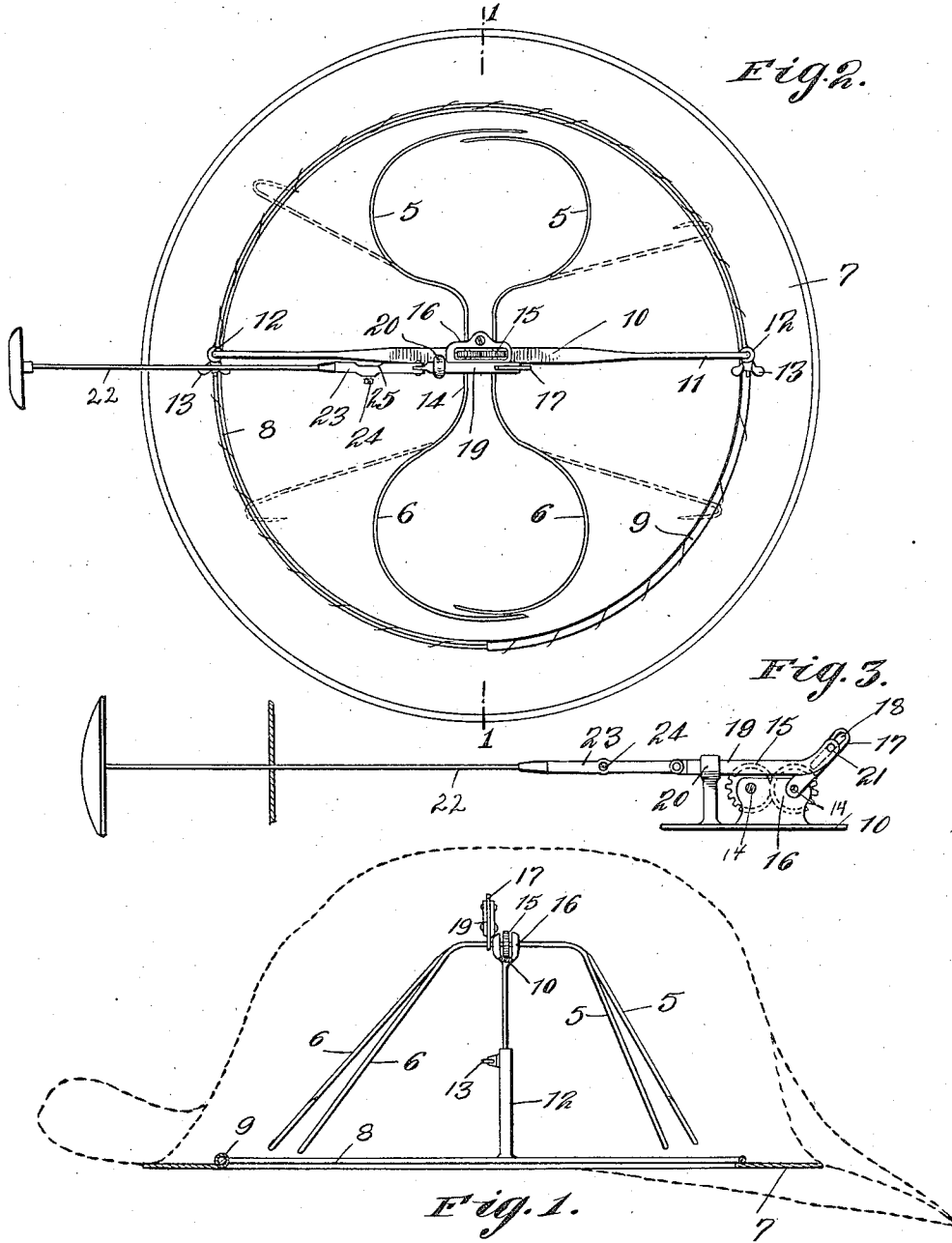


J. JAMBRETZ.  
HAT FASTENING DEVICE.  
APPLICATION FILED MAY 15, 1911.

1,032,140.

Patented July 9, 1912.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

JOHAN JAMBRETZ, OF NEW YORK, N. Y.

## HAT-FASTENING DEVICE.

1,032,140.

Specification of Letters Patent.

Patented July 9, 1912.

Application filed May 15, 1911. Serial No. 627,168.

*To all whom it may concern:*

Be it known that I, JOHAN JAMBRETZ, a subject of the Emperor of Austria-Hungary, having taken out my first citizenship papers in the United States, residing in the city of New York, borough of Manhattan, county and State of New York, have invented certain new and useful Improvements in Hat-Fastening Devices, of which the following is a full, clear, and exact specification.

This invention relates to a hat-fastening device and has for its object to provide an improved and efficient means for securing ladies' hats in position upon the head.

In the drawings accompanying and forming a part of this specification, a practicable embodiment of one form of my invention is illustrated, in which drawing—

Figure 1 illustrates the device in elevation, and a hat is shown in cross-section to illustrate substantially the position of the device when in use. Fig. 2 represents a top plan view of the device, the full lines showing the pins in closed or engaging position, and the dotted lines showing the pins in open position; and Fig. 3 is an enlarged elevation of the operating mechanism.

In the present illustration, two pairs of curved or hooked pins are illustrated. One pair of pins 5, 5, will be located in position to move transversely of the head position and engage the hair at the front of the head, and the other pair of pins to move transversely of the head and engage the hair at the rear of the head.

The device will be mounted in a hat in some convenient manner and may be attached to a "halo" or some suitable attaching device 7. A circumferentially-adjustable attaching frame 8, is shown sewn to the "halo." This attaching frame is in the form of a wire carrying at one end a sleeve 9, with which the free end of the wire will telescope. By this means circumferential adjustment may be had as occasion demands. The supporting base 10, for the actuating mechanism, is, in the present showing, a flattened portion of the wire 11, the ends of which wire are bent down and telescope with tubes 12, carried by the frame 8. Such tubes are provided with wing nuts 13, for securing the parts in the adjusted position. The hook-shaped pins 5 and 6 on each side will preferably be made of a single wire. The connecting portion 14, of the wire will have fast with it a pinion 15, the portion 14 of the

wire constituting a bearing or journal for the pinion and for the pins, it finding suitable bearing in member 16, carried by the supporting base 10. Pinions 15, are shown intermeshing, whereby the movement of one pinion or one of the members 14 will communicate a corresponding and reverse movement to the other member. By this means the hook-shaped pins may be caused to move toward and from each other for the purpose of unfastening and fastening the device. The hook-shaped pins for engaging the hair at the front of the head may be so formed that they will make a shorter sweep and will move less closely to the head than do the hook-shaped pins at the rear. It is to be noted that the pins open apart for assuming a position to permit the hat to be placed upon the head, and that when the pins are moved toward each other for engaging the hair their ends will overlap.

There is shown fast with one of the pinions an actuating arm 17. This arm is shown rigidly carried by one of the portions 14 of the pin wire. The arm is provided with a slot 18. The actuator for the arm is a reciprocatory bar 19, which is mounted in the eye of a standard 20, carried by the supporting base 10. This guiding eye is located in such position that the reciprocatory bar 19 passes over the other pin portion 14. An outward movement of this bar toward the adjacent side of the hat will effect an opening of the hook-shaped pins, and an inward movement will effect the closing by means of the connection between such reciprocatory bar 19 and the operating arm 17, which connection is in the form of a pin 21, located in the slot 18. The pin is preferably provided with an anti-friction roller. The bar 19 is shown curved upwardly at its end, so that when the actuating arm 19 is moved to the end of its closing movement, the arm and the end of the rod will occupy substantially parallel positions, and the arm will be moved into a position at an angle of about forty-five degrees from the vertical. The end of the arm carrying pin 21 will be located above the line of reciprocation of the major portion of the bar. By this means, when the hook-shaped pins are moved to their hair-engaging position, the position of pin 21, in the slot 18, relative to the ways in the eye 20, will be such that the pins will be locked from reverse movement.

The device is shown provided with mecha-

nism for engaging an actuator which, in preference, will be an ordinary form of hat pin 22, which will extend through the hat from the outside and be received in a socket member 23, which is shown articulated to the bar 19. The socket member 23 is provided with a set screw 24, whereby the hat pin may be connected with the device. After the device has been secured to the hat, the pin will be passed through the side of the hat and located in the socket and the set screw turned down to lock the shank of the pin. The socket member 23 is provided with an opening at 25, opposite the set screw for permitting the screw to flex the pin should this be of materially less sectional area than the socket.

The means for circumferentially adjusting the frame is shown carried at the rear portion. By effecting adjustment at this position, the relation of the path of movement of the front hair-engaging members to the supporting frame will not be varied, nor will the adjustment of this portion affect what will be the radial line and the transverse line of the structure.

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

1. In a device of the character specified, the combination with a supporting base, of a pair of intermeshing pinions mounted thereon oppositely disposed, curved pins carried by the pinions, a rock arm fast with one pinion, a reciprocatory bar for engaging the rock arm, and an actuator connected to the bar.

2. In a hat fastening device, the combination with a supporting base, of a pair of pinions carried thereby, hook-shaped pins carried by the pinions for engaging the hair, an arm fast with one pinion, said arm being provided with a slot and located in such position that when the pins are in their

hair-engaging position the arm will occupy a position at about forty-five degrees from the vertical and be directed away from the other pinion, a support provided with a way located on the supporting base on the outside of the said other pinion, a bar mounted in said way for reciprocation and provided with an upcurved end, a pin carried by said upcurved end and engaging the slot in the said arm, a socket member articulated to said bar, and an actuator removably carried by said socket member.

3. In a hat-fastening device, the combination with curved pins for engaging the hair, of mechanism for actuating such pins; a supporting base carrying said pins and such actuating mechanism, an attaching frame, means of connection between the supporting base and attaching frame for effecting adjustment of the supporting base toward and from the attaching frame.

4. In a hat-fastening device, the combination with hair-engaging members located in position to move transversely of the front portion of the head, of hair-engaging members located in position to move transversely of the rear portion of the head, a frame for carrying the same comprising a wire having upon each side a sleeve, set screws carried by the sleeves, a wire having ends mounted in said sleeve and provided with a supporting base for the said hair-engaging members, and a sleeve carried by one end of the frame wire and telescoping with the other end thereof, the telescoping connection being located at the rear portion.

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

JOHAN JAMBRETZ.

Witnesses:

ISADORE BERNSTEIN,  
CHAS. LYON RUSSELL.