

Jan. 25, 1949.

B. D'ALBERTO

2,459,926

HAIR CLIP

Filed April 9, 1947

Fig. 1

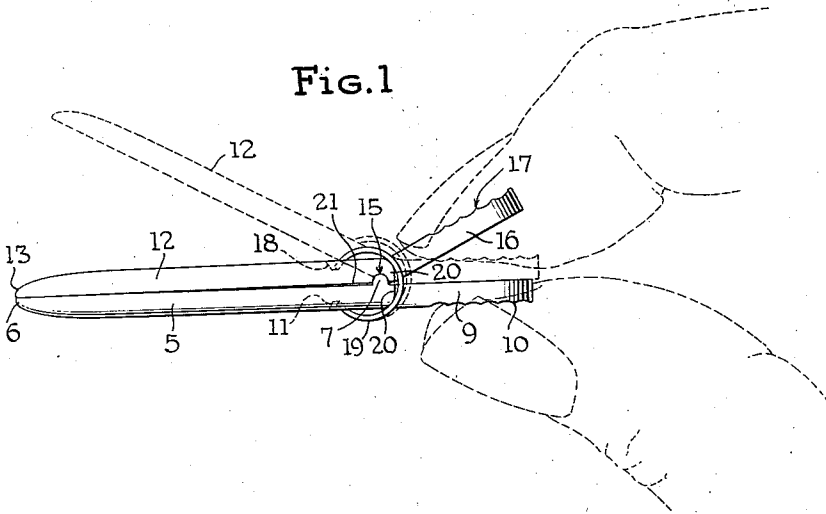


Fig. 2

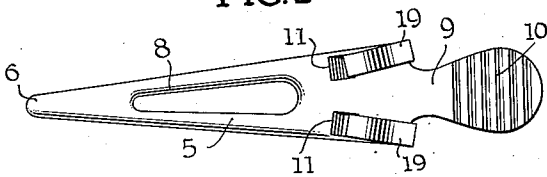


Fig. 3

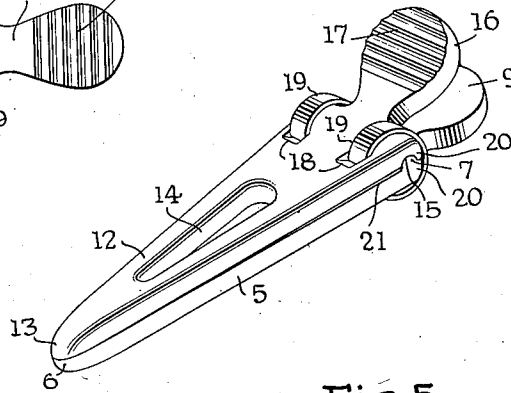


Fig. 4

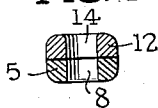


Fig. 5

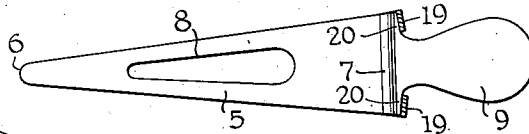


Fig. 6

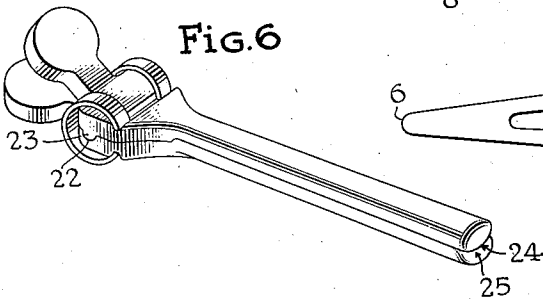


Fig. 7

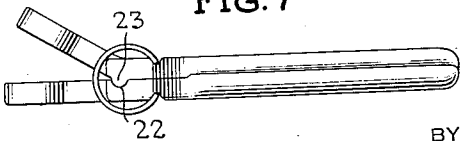


Fig. 8



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UNITED STATES PATENT OFFICE

2,459,926

HAIR CLIP

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Application April 9, 1947, Serial No. 740,307

6 Claims. (Cl. 132-46)

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The invention relates generally to the art of hair dressing and seeks to provide a novel form of hair clip which is simple in construction and can be manufactured at low cost, and which is designed to be particularly effective in securely holding coiled hair tresses during drying and setting periods incidental to hair curling or related styling processes.

In the hair dressing art it is a practice to form the hair into numerous small curls or ringlets and to secure said curls or ringlets close to the head as a preliminary step in drying and setting processes incidental to the formation of the desired wave or related styling. A common practice has been to insert a multiple of hair pins into each curl or ringlet in order to securely hold the same in position. Obviously this is a tedious and time consuming practice, and it is an object of the present invention to provide a novel form of hair clip including spring pressed jaws between which the formed hair tress curls or ringlets may be individually held throughout the styling process, said clip being formed in a manner facilitating the mounting and removal thereof and the efficient holding of the curls or ringlets during the styling process.

In its more detailed nature the invention seeks to provide a novel form of hair clip comprising a pair of opposing tress clamping jaws having finger pieces extending therefrom in angular relation and shaped to provide shoulders at either side of the extensions, cooperating fulcrum rib and groove equipments disposed adjacent the shoulders and effective to permit pivotal movement of the jaws apart and toward each other, and C-springs extending over the shoulders and engaging the jaws in a manner for constantly tending to hold them in clamping engagement.

Another object of the invention is to provide an improved hair clip of the character stated in which the cooperating jaws are composed of molded plastic and have their main body portions defined by well rounded side edges which converge to provide well rounded points, said jaws also having recesses therein to receive the ends of the C-springs and spaced inwardly from the side edges to provide an unbroken continuity of said edges.

With the above and other objects in view that will hereinafter appear, the nature of the invention will be more clearly understood by reference to the following detailed description, the appended claims, and the several views illustrated in the accompanying drawing.

In the drawing:

Figure 1 is a side elevation illustrating a hair clip embodying the invention, the jaws being shown in the closed position in full lines, and in the open position in dotted lines.

Figure 2 is an inverted plan view.

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Figure 3 is a perspective view.

Figure 4 is a vertical cross section taken across the main body portions of the jaws and the registering slots therein.

Figure 5 is a horizontal section taken between the opposing jaws and through the C-springs.

Figure 6 is a perspective view illustrating a modified form of the invention.

Figure 7 is a side elevation illustrating the hair clip shown in Figure 6.

Figure 8 is a vertical cross section taken across the engaging jaws of the hair clip shown in Figure 6.

The improved hair clip herein disclosed is formed of two simple jaw members preferably formed of molded plastic and yieldably held in the hair tress clamping position by C-springs mounted in a novel manner.

The lower jaw member 5 includes well rounded side edge portions which converge to provide a well rounded nose point 6. The member 5 also includes a transversely disposed, upstanding fulcrum rib 7, and a longitudinal center slot 8 extends between the nose 6 and said rib, the detenting edges of the slot being well rounded in the same manner as the side edge portions of the jaw member. A finger piece 9 of reduced width extends in the same plane beyond the main body of the jaw, and the undersurface of said extension is corrugated as at 10 to provide a secure finger grip. Two laterally spaced recesses 11 are formed in the bottom surface of the jaw member 5 adjacent the fulcrum rib 7.

An upper jaw member 12 is provided, also preferably formed of molded plastic and corresponding in shape to the main body portion of the lower jaw member, that is the side edge portions thereof converge to provide a well rounded nose portion 13. The upper jaw member 12 also is provided with a longitudinally extending slot 14 defined by well rounded edge portions and registering with the slot 8 in the lower jaw member 5. The upper jaw member 12 is provided with a transverse groove 15 disposed to receive and fulcrum on the rib 7 of the lower jaw member, and a reduced finger piece 16 extends from the main body of the upper jaw at an upward incline with relation to the main body of the jaw member in the manner clearly illustrated in Figures 1 and 3. The upper face of the inclined finger piece extension 16 is corrugated as at 17 to facilitate the finger gripping of said extension. It will be noted also that the upper face of the main body portion of the upper jaw member 12 is provided with two laterally spaced recesses 18. The recesses 18 are so disposed as to lie directly over the recesses 11 in the lower jaw member, and the two sets of recesses formed at opposite sides of the finger piece extensions 9 and 16 are adapted to receive the free ends of two C-springs 19 which pass about the end

shoulders 20 provided at the ends of the main body portions of the jaw members and at opposite sides of said finger piece extensions.

The fulcrum groove and rib equipments 15 and 7 are so proportioned as to hold the jaw members 5 and 12 slightly apart as at 21 at the position of the jaw fulcrum, thereby causing the jaw nose portions 6 and 7 alone to contact when the clip is in repose as shown in full lines in Figure 1. By gripping the corrugated surfaces 10 and 17 of the extended finger pieces 9 and 18 and pressing them together in the manner indicated in dotted lines in Figure 1, the free ends of the jaw members 5 and 12 can be forced apart in the manner indicated to readily receive therebetween a hair tress curl or ringlet in the manner well known in the art, and by then releasing the finger pressure upon the extension pieces, the jaw members 5 and 12 may be permitted to securely clamp the tress curl or ringlet therebetween.

By reason of the particular placement of the jaw recesses 11 and 18 and the spacing thereof inwardly from the lateral edge portions of the jaw members, the free ends of the C-springs are shielded from contact with the hair and the whole hair clip structure presents a smooth continuity which may be inserted in and removed from the hair without danger of catching and pulling the hair.

In Figures 6, 7 and 8 of the drawing there is illustrated a modified form of the invention in which the clip structure is generally similar to that described. However, it will be noted that in this form of the invention the lower jaw member is provided with a transverse fulcrum groove 22 and the upper jaw member is provided with a fulcrum rib 23 disposed to engage in said groove. Also, the upper jaw member is provided with a convex engaging face 24, and the lower jaw is provided with a cooperating concave engaging face 25. Thus it will be apparent that the same general relation of finger piece extensions and C-springs is retained, with a reversal of the fulcrum rib and groove equipment, and with the concave or convex hair engaging jaw surfaces found desirable by some operators.

While one form of the invention has been shown for purposes of illustration, it is to be clearly understood that various changes in the details of construction and arrangement of parts may be made without departing from the spirit and scope of the invention as defined in the appended claims.

I claim:

1. A hair clip of the character described comprising a pair of opposed hair clamping jaws each having a flat main body portion with sides converging to a well rounded point and a finger piece extension reduced in width at the juncture thereof with said main body portions so as to provide end shoulders, one of said jaws having a fulcrum rib extending thereacross adjacent its shoulders, and the other of said jaws having a groove extending thereacross adjacent its shoulders in position for receiving and fulcruming on said rib, the finger piece extensions of the jaws being disposed to bear angular relation one to the other so that the end extremities thereof will be spaced apart when the jaws are closed, and a C-spring extending over the jaw body shoulders at each side of the finger piece extensions and having its ends engaging the jaw body portions so as to constantly tend to hold the jaws together.

2. A hair clip of the character described comprising a pair of opposed hair clamping jaws each

having a flat main body portion with sides converging to a well rounded point and a finger piece extension reduced in width at the juncture thereof with said main body portions so as to provide end shoulders, one of said jaws having a fulcrum rib extending thereacross adjacent its shoulders, and the other of said jaws having a groove extending thereacross adjacent its shoulders in position for receiving and fulcruming on said rib, the finger piece extension of one jaw being extended in the plane of the main body of the particular jaw, and the finger piece extension of the other jaw being extended in angular relation to the main body of the particular jaw so as to be spaced at its end extremity from the end extremity of the other finger piece extension, and a C-spring extending over the jaw body shoulders at each side of the finger piece extensions and having its ends engaging the jaw body portions so as to constantly tend to hold the jaws together.

3. A hair clip as defined in claim 1 in which the outwardly presented opposite faces of the jaw main body portions have recesses formed therein and each spaced inwardly from the respective adjacent side edge of the jaw main body portion and in position to receive the respective ends of the C-springs.

4. A hair clip as defined in claim 1 in which the outwardly presented opposite faces of the jaw main body portions have recesses formed therein in position to receive the ends of the C-springs, said recesses being spaced inwardly from the side edges of said jaw main body portions so as to provide side edges of unbroken continuity along the whole of the jaw main body portions.

5. A hair clip of the character described comprising a pair of opposed hair clamping jaws each having a flat main body portion with sides converging to a well rounded point and a finger piece extension reduced in width at the juncture thereof with said main body portions so as to provide end shoulders, one of said jaws having fulcrum means projecting therefrom adjacent its shoulders, and the other of said jaws being recessed adjacent its shoulders to receive the fulcrum means projecting from said one jaw, the finger piece extensions of the jaws being disposed to bear angular relation one to the other so that the end extremities thereof will be spaced apart when the jaws are closed, and a C-spring extending over the jaw body shoulders at each side of the finger piece extensions and having its ends engaging the jaw body portions so as to constantly tend to hold the jaws together.

6. A hair clip as defined in claim 5 in which the outwardly presented opposite faces of the jaw main body portions have recesses formed therein in position to receive the ends of the C-springs, said recesses being spaced inwardly from the side edges of said jaw main body portions so as to provide side edges of unbroken continuity along the whole of the jaw main body portions.

BENEDETTO D'ALBERTO.

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