

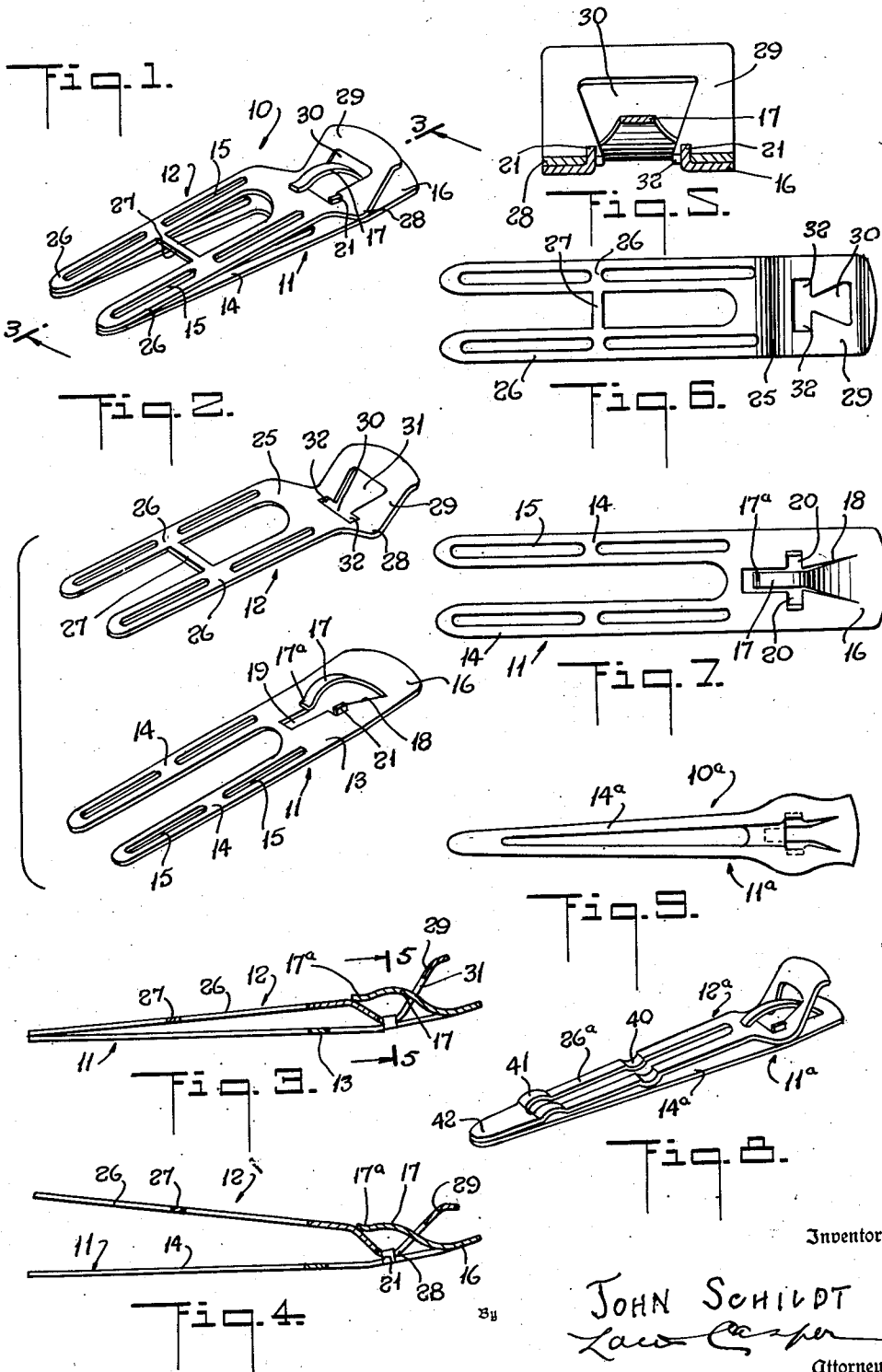
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CURL CLIP

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CURL CLIP

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This invention relates to hair clips or clamps.

An object of this invention is to provide a device of the character described, which shall be easy to assemble, easy to manipulate, and inexpensive to manufacture, and which shall be practical and efficient to a high degree in use.

Another object of this invention is to provide a two-part hair clip and in which the two parts are so constructed that they may be interfitted by a simple manipulation, one of the parts being provided with a spring tongue which shall have the double function of closing the jaws of the clip and also for keeping the two parts assembled together.

Still another object of this invention is to provide a clip of the character described, which shall be manipulated in such a way that the upper jaw moves up and down while the lower jaw may remain more or less stationary as the clamp is inserted in position on the head.

Still another object of this invention is to provide a strong and durable hair clip of the character described, comfortable in use, and in which the two parts will have an easy rocking motion so that the clips may be readily opened and closed.

Yet a further object of this invention is to provide a clip or clamp of the character described comprising a lower member, an upper member rockable thereon, and said lower member having a flat underside so that while the person wearing the clips sleeps, the clips will not hurt the scalp. In other words, there is nothing projecting below the smooth underside of the clamp which would hurt the head or make the wearer uncomfortable.

Still a further object of this invention is to provide a clip of the character described, comprising two parts, the bottom part having an upwardly and forwardly curved spring tongue, the top part having an opening through which the spring tongue passes, and the free end of the tongue pressing the jaw of the top part against the jaw of the bottom part. Said bottom part is furthermore formed with a pair of upwardly extending spaced lugs and said upper part is formed with a pair of outwardly extending notches extending from said opening to receive said lugs whereby said lugs and said spring constitute the sole means for interconnecting the two parts, said upper part having a transverse curved portion adjacent said lugs rockingly engaging the surface of the bottom part.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

The invention accordingly consists in the fea-

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tures of construction, combinations of elements, and arrangement of parts, which will be exemplified in the construction hereinafter described, and of which the scope of invention will be indicated in the following claims.

In the accompanying drawings in which is shown various illustrative embodiments of this invention:

Fig. 1 is a top front perspective view of a hair clip or clamp embodying the invention;

Fig. 2 shows a perspective view of the two clip parts separated from one another;

Fig. 3 is a cross sectional view taken on the line 3-3 of Fig. 1;

Fig. 4 is a view similar to Fig. 3 but showing the clamp opened up;

Fig. 5 is a cross sectional view taken on the line 5-5 of Fig. 3;

Fig. 6 is a top plan view of the top part;

Fig. 7 is a top plan view of the bottom part;

Fig. 8 is a perspective view of a clamp embodying the invention and illustrating a modified construction;

Fig. 9 is a bottom plan view of the structure shown in Fig. 8.

Referring now in detail to the drawing, 10 designates a hair clip or clamp embodying the invention. The same comprises a bottom part 11 and a top part 12, both made of spring sheet metal, die cut and stamped to suitable shape.

The bottom part 11 comprises a flat intermediate portion 13 from which extends forwardly a pair of spaced coplanar parallel fingers 14. Each finger 14 may be formed with a pair of longitudinally spaced slots 15. Extending rearwardly from the flat intermediate portion 13 is an upwardly slightly inclined handle portion 16. Said flat portion 13 and handle portion 16 are die cut to form an upwardly and forwardly curved spring tongue 17. The tongue 17 is cut from the metal of the bottom part and pressed upwardly thereby leaving a pair of inclined forwardly converging edges 18 and a central forwardly extending longitudinal slot 19. Between the forward ends of the inclined edges 18 and the rear end of the slot 19 are formed a pair of outwardly extending notches 20. The metal from the notches are pressed upwardly to form a pair of vertical upwardly extending spaced parallel lugs 21, for the purpose hereinafter appearing.

The top part 12 comprises a flat intermediate portion 25 from which extend forwardly a pair of spaced coplanar fingers 26 adapted to overlie the fingers 14. The fingers 26 may be interconnected by a cross brace portion 27. Extending rear-

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wardly from portion 25 is a downwardly and then upwardly curved transverse portion 28 from which there extends upwardly and rearwardly a sharply inclined handle portion 29. The bottom of the curved portion 28 contacts the top of the bottom part 11 between the handle 16 and the flat portion 13 and on opposite sides of the lugs 21.

The portion 28 of the top part 12 is formed with a transverse slot 30 and the handle 29 is formed with a keystone shaped opening 31 communicating with the slot 30. At the ends of the slot 30 are formed notches 32 in which are received the upwardly extending lugs 21. The forward tip or end 17a of the spring tongue 17 contacts portion 25 of the top part just forwardly of the slot 30 to keep the ends of fingers 14, 26 in contact. The lugs 21 prevent the top part from moving forwardly or rearwardly or sideways relative to the bottom part. The spring tongue 17 prevents the top part from moving upwardly away from the bottom part. However, when the handles 16, 29 are pressed together, the fingers 26 which constitute an upper jaw for the clamp or clip move away from the lower fingers 14 which constitute the lower jaw of the clamp or clip.

It will be noted that the parts may be assembled together by merely lifting the spring tongue 17 of the lower part and inserting the top part in place on the lower part so that the lugs 21 pass through or fit into the notches 32. It will be further noted that when the handle 29 is pressed toward the lower handle 16, the upper jaw moves up and down. The lower jaw has relatively little movement. As the lower jaw is concealed within the hair and is close to the scalp, there is less likelihood to scratch the scalp when these clips are used.

It will be further noted that nothing projects down below the underside lower part 11 which is smooth so that if the wearer goes to sleep, the scalp will not be hurt and the clips may be worn with comfort.

It will also be noted that when the handles are pressed together and the upper jaw moves up, the spring tongue 17 is tensioned so that when the handles are released, the spring tongue will close the jaws to grip the hair.

In Figs. 8 and 9 there is shown a clip 10a embodying the invention substantially similar to the clip 10, with the exception that the lower part 11a has a single jaw finger 14a and the upper part 12a has a single jaw finger 26a. Furthermore, the upper jaw has downwardly curved ridges 40 at intermediate portions thereof and upwardly curved ridges 41 near its forward tip 42. Otherwise the two clips are the same.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved and which is well adapted to meet the conditions of practical use.

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As various possible embodiments might be made of the above invention, and as various changes might be made in the embodiment above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

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

1. A hair clip comprising a lower part and an upper part, each made of a single piece of sheet metal, the lower part comprising an intermediate portion, and a flat jaw extending forwardly therefrom, and a handle extending rearwardly therefrom and slightly inclined upwardly, said intermediate portion and handle being formed with an opening, and the metal from said opening forming an upwardly and forwardly curved spring tongue with the free end of the tongue extending downwardly, said opening being formed with opposite notches and the metal from the notches extending upwardly to form a pair of parallel spaced lugs at opposite sides of said spring tongue, the upper part having an intermediate portion from which extend forwardly a jaw inclined downwardly so that the forward ends of the two jaws contact, a portion curved downwardly from said intermediate portion and contacting the upper side of the intermediate portion of the lower part, a handle sharply inclined upwardly and rearwardly and extending from said downwardly curved portion, said downwardly curved portion being formed with transverse slots forming a pair of notches, and said lugs projecting upwardly through said notches, and said handle of the upper part being formed with an opening communicating with said transverse slot, and said spring tongue passing through said opening in the handle of the upper part, and the free end of said spring tongue pressing downwardly against the intermediate portion of the upper part to normally close said jaws, whereby pressure of the handles toward each other will cause the jaw of the upper part to move away from the jaw of the lower part and thereby to tension the spring tongue.

2. The combination of claim 1, said jaws each comprising a pair of spaced parallel coplanar fingers formed with longitudinal slots.

3. The combination of claim 2, the fingers of the upper jaw being interconnected by a transverse brace portion.

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