Jan. 28, 1969 A. BATTAGLIA 3,424,174

COMPACT HAIR LIFT

Filed Dec. 7, 1966

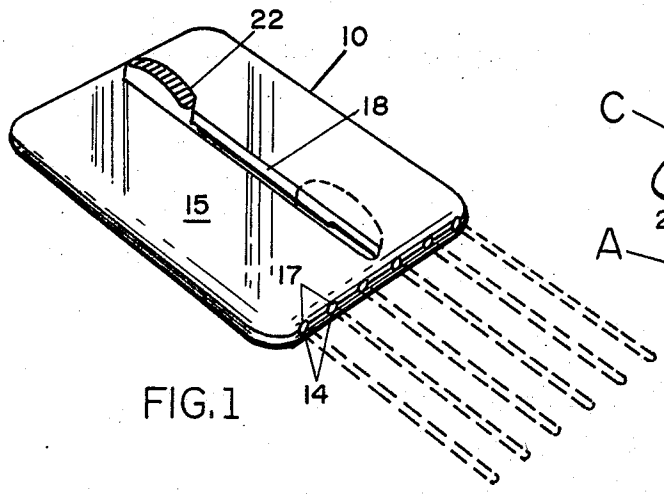


FIG. 1

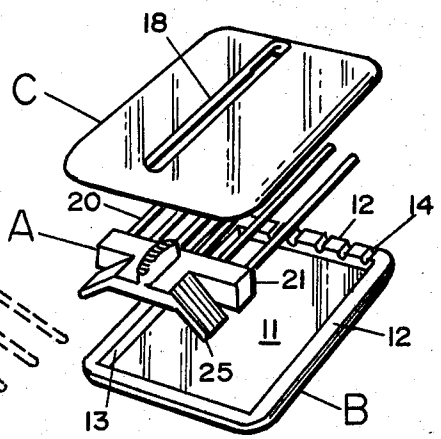


FIG. 6

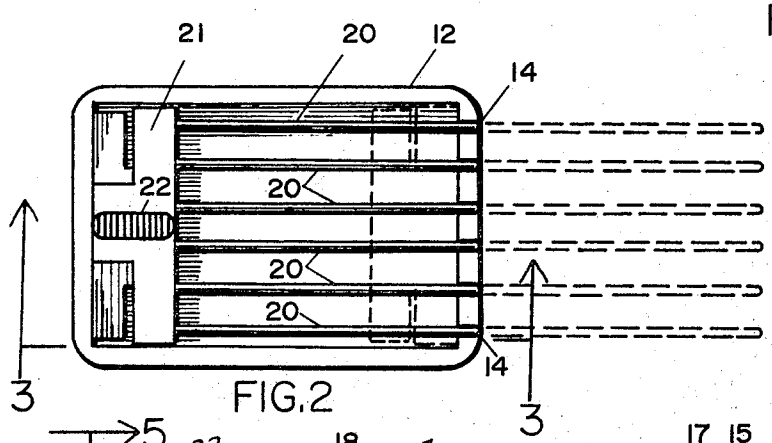


FIG. 2

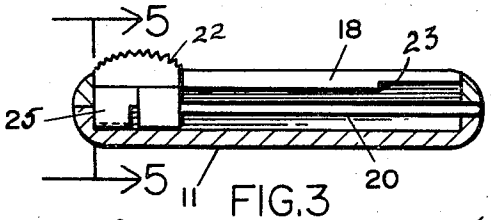


FIG. 3

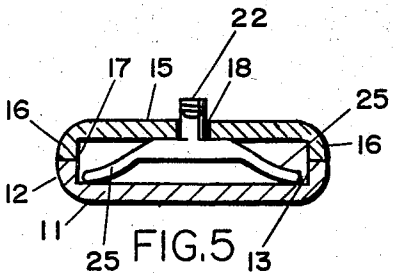


FIG. 5

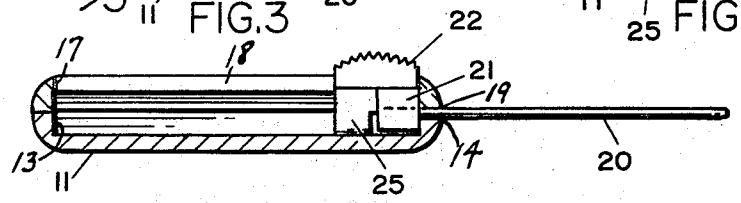


FIG. 4

INVENTOR

ANTHONY BATTAGLIA

BY

Salvatore G. Militana,

attorney

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COMPACT HAIR LIFT

Anthony Battaglia, 455 NW. 202nd Terrace, Miami, Fla. 33169

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ABSTRACT OF THE DISCLOSURE

A compact hair lift having a prong support means slidably mounted within a hollow casing. An actuating means cooperating with the prong support means through a slot in the top of the casing permits the prongs to be pushed out when in use and retracted when in storage. The prong support means has resilient members mounted in the rear so as to force the prong support means into a frictional fit with the casing when the prongs are retracted and into a lock position when the prongs are in use.

This invention relates generally to a cosmetic article and is more particularly directed to a hair lift.

A principal object of the present invention is to provide a compact hair lift whose prongs are normally retracted and protected within the device and capable of being slidably extended to its operative position when it is desired to use the hair lift.

Another object of the present invention is to provide a compact hair lift constructed of molded plastic in three parts which are readily cemented or otherwise fastened together to form a small hand-sized device that may be conveniently carried in one's pocket or purse.

A further object of the present invention is to provide a compact hair lift which is simple in construction, inexpensive in cost, readily fabricated and assembled to form a most effective hair styling device.

A still further object of the present invention is to provide a compact hair lift whose prongs are retractable within a chamber formed in the hand-sized body member whereby the prongs are housed when not in use so that the prongs cannot be broken or deformed when not in use nor can the pointed prongs injure the user or the receptacle where the compact is stored.

In the drawing:

FIGURE 1 is a perspective view of my compact hair lift device with the dotted lines indicating the extended position of the hair lifting prongs.

FIGURE 2 is a top plan view as seen with the cover removed.

FIGURE 3 is a cross sectional view taken along the line 3—3 of FIGURE 2.

FIGURE 4 is a similar view with the hair lifting prongs in their extended position.

FIGURE 5 is a cross sectional view taken along the line 5—5 of FIGURE 3.

FIGURE 6 is an exploded view showing the manner of assembly of my compact hair lift device.

Referring to the drawing wherein like numerals are used to designate similar parts throughout the several views, the numeral **10** refers to my compact hair lift which consists of a base member B, a cover member C and hair lift slide member A all of which are preferably made of plastic and each molded as a unit. This construction gives rise to a simple assembly operation in the fabrication of my compact hair lift device **10**.

The base member B comprises a flat body portion **11** having a rectangular shape with a peripheral edge portion **12** that is raised so as to form a recess **13**. At the front edge portion **12** there is a plurality of grooves **14** which

receive prongs or tines **20** as is explained in greater detail hereinafter.

The cover member C is substantially identical in structure and shape as the base member B consisting of a flat body member **15** about which a raised peripheral ridge portion **16** extends to form a recess **19**. The ridge **16** of the cover C mates with the ridge **12** as do the grooves **14** mate with grooves **17** formed in the front ridge **16** of the cover C when the cover C and the base member B are cemented or otherwise fastened together. The grooves **14** and **17** form a bore for the sliding of the prongs **20** therealong. A further slot **18** is formed longitudinally in the body member **15** extending from the rear ridge **16** to the front ridge **16**. On the inside surface of the cover member C there is a shallow recess **23** which extends the full width of the body member **15** adjacent the right side of my compact hair lift **10** as viewed in FIGURES 2–4 inclusive. The function of this recess **23** is to lock the slide member A in position when the latter is in its extended position and a prong support member **21** has been received by the recess **23**.

The slide member A consists of a prong support portion **21** having a medially positioned thumb member **22** which extends through the slot **18** to a position above the body member **15** of the cover C whereby the slide member A may be made to slide within the chamber formed by recesses **13** and **19** along the full length of the compact hair lift **10**. Secured to the support member **21** is the plurality of steel prongs **20** which extend through the bores formed by the grooves **14** and **17**. Integrally molded to the end of the prong support member **21** is a pair of resilient fingers **25** which extend outwardly and downwardly of the member **21**.

In the normal assembly of my compact hair lift **10**, the slide member A is placed in the recess **13** of the base member B with the steel prongs **20** lying in the grooves **14**. Then the peripheral edges **12** and **15** of the base and cover members B and C are cemented and then placed one on the other with the recess **17** of the cover C receiving the upper portion of the slide member A and the thumb member **22** extending through the slot **18**. The prongs **20** are now slidably positioned in the grooves **14** and **17** with the ends of the prongs **20** resting within the confines of the combined grooves **14**, **17** when the slide member **21** is in its completely retracted position. When it is decided to use my compact hair lift **10**, by applying sliding pressure on the thumb member **22** with one's thumb or finger, the slide member **21** will slide to the other end of the compact **10** as the prongs **20** slide outwardly through the grooves **14**, **17**. When the slide member **21** has arrived at a position adjacent the end of the compact **10**, the resilient fingers **25** which yieldingly force the slide member **21** into contact relation with the body member **15** of the cover member C will force the slide member **21** into the recess **23** to lock the slide member **21** and the prongs **20** in their extended position. The compact hair lift **10** is in its operative position to be used in styling one's hair. When the compact hair lift **10** is no longer to be used and it is desired to store it away in one's pocket, bag or other receptacle, a downward force is applied on the thumb member **21** against the force of the resilient spring **25** to cause the slide member **25** to be removed from the recess **23**. Then a rearward force is applied on the tumb member **22** to cause the slide member **21** to slide rearwardly to its original position and the prongs **20** become totally retracted to their position within the confines of the compact **10**. The steel prongs **20** are now protected against being bent or broken as well as the possibility of the sharp prongs **20** being able to injure the receptacle in which it is stored.

What I claim as new and desire to secure by Letters Patent of the United States is:

1. A compact hair lift comprising a base member and a cover member having a raised edge portion forming a chamber, said cover member having a longitudinally disposed slot, said edge portion having grooves communicating with said chamber, a body portion extending substantially across said chamber and slidably mounted in said chamber, a plurality of prongs mounted at one end on the forward side of said body portion and extending through said grooves, actuating means mounted on said body portion and extending through said slot for sliding said prongs through said grooves to an extended position beyond said base and cover members, resilient members mounted on the rear side of said body portion and extending laterally in said chamber, yieldingly engaging said base member and forcing said body portion into frictional engagement with the bottom surface of said cover member, said cover member having a recess in proximity of said grooves for receiving said resilient members and securing said body portion at said extended position of said prongs.

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ROBERT PESHOCK, *Primary Examiner.*

JAMES W. MITCHELL, *Assistant Examiner.*