April 9, 1940. W. R. TUTTLE ET AL 2,196,235

EYELASH COSMETIC APPLICATOR

Original Filed May 8, 1937

Fig. 1.

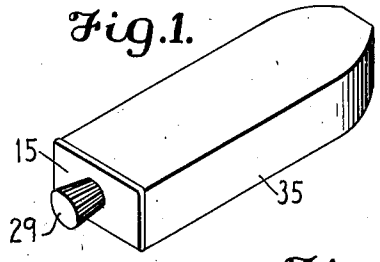


Fig. 2.

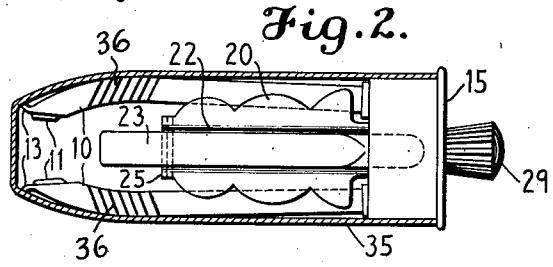


Fig. 3.

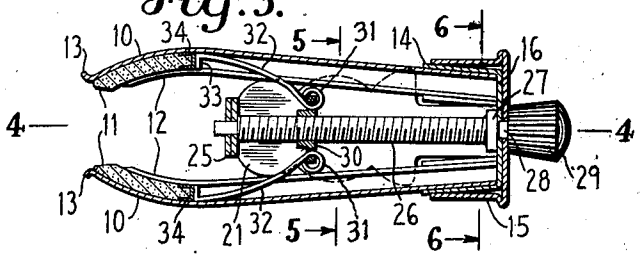


Fig. 4.

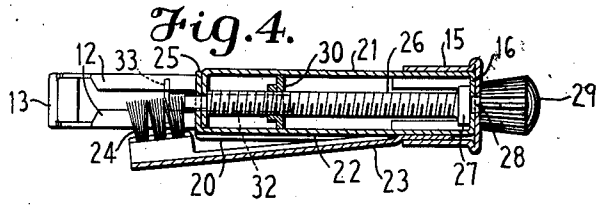


Fig. 5.

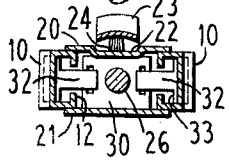


Fig. 6.

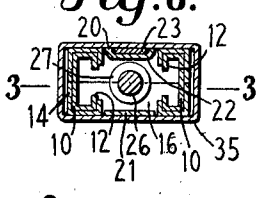


Fig. 7.

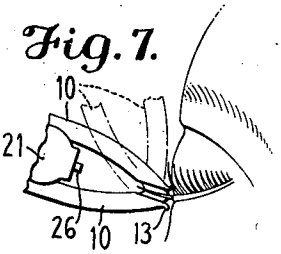
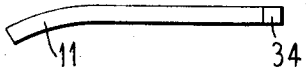


Fig. 8.



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EYELASH COSMETIC APPLICATOR

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Application May 8, 1937, Serial No. 141,458
Renewed April 26, 1939

16 Claims. (Cl. 132—1)

The invention relates to an eyelash cosmetic applicator and curler and has for its particular object to provide a unitary device for simultaneously applying mascara to the eyelashes and curling them.

In accordance with the invention a pair of holders, movable toward and away from each other, are provided for carrying strips of mascara or other suitable cosmetic. One of the important features of the invention is the provision of a simple means for feeding the strips of mascara from the holders. The mascara is more or less fragile and the holders always act to control and protect it and insure against the strips breaking. By virtue of the feeding means one does not have to handle the mascara at all and thus soiling of the hands and fingers is prevented.

Another object of the invention is to provide a device which is exceedingly neat in appearance and one so compact as to readily fit into a lady's purse or hand bag.

As will appear hereinafter when using the device in addition to applying the mascara a curl is readily imparted to the eyelashes, thus making the use of a separate curling device more effective.

With the foregoing objects in view, as well as others which will be hereinafter mentioned, the invention comprises the construction, arrangement and combination of parts described in the ensuing specification. Referring to the drawing forming a part thereof and in which a preferred embodiment of the invention is illustrated:

Figure 1 is a perspective view of the eyelash applicator and curler showing it enclosed in its casing;

Figure 2 is an elevational view, the casing being in section;

Figure 3 is a longitudinal sectional view without the casing and is taken on line 3—3 of Figure 6;

Figure 4 is a longitudinal sectional view at right angles to Figure 3 and is taken on line 4—4 of Figure 3;

Figures 5 and 6 are cross sectional views taken on the lines 5—5 and 6—6, respectively, of Figure 3;

Figure 7 is a fragmentary view illustrating operation; and

Figure 8 is an elevation of one of the mascara refills.

Referring again to said drawing, the reference numerals 10—10 designate a pair of channel shaped members which act as holders for strips of mascara or other suitable cosmetic material 11—11. The channel members are provided with flanges 12 which form semi-closed compartments for the reception of the strips of mascara. The outer ends of the channel members have lips 13 which act to prevent the mascara from curling around onto the outer surfaces of the channel members and assist in even application of cosmetic.

As illustrated the channel members for a substantial portion of their length are straight and their outer portions or free ends are curved toward each other. They are removably mounted and are so arranged that their free ends may be moved toward and spring away from each other.

As will be noted in Figure 3 the inner ends of the channel members are mounted in sockets 14—14 which in turn are secured in a rectangular holder 15. The sockets 14 are formed integral with a base 16 and this base and the sockets are made of a spring material. The sockets normally hold the channel members in their retracted position or away from each other as shown in Figure 3. A gentle pressure of the thumb and finger serves to bring them together as illustrated in Figure 7 and when this pressure is released they will spring apart to their normal position.

Guide plates 20—21 are provided for the channel members and these guide plates are advantageously formed as integral ears extending outwardly from the base plate 16. One of the guide plates is formed with a central depression 22 to accommodate the handle 23 of an eyelash brush 24.

The guide plates at their outer ends are brought together as indicated at 25 and provide a bearing for a threaded stud 26. The opposite end of the stud has a flange 27 which rests against the base plate 16 and an integral neck 28 passes through the plate 16 and end of the holder 15 and thus forms a bearing for this end of the stud. An operating knob 29 is suitably secured to the end of the threaded stud 26 outside of the cover 15. From the foregoing it will be apparent the stud is mounted so as to be free to rotate but is prevented from any longitudinal movement.

A threaded carrier 30 is mounted on the stud 26. This carrier is rectangular in shape as shown in Figure 5 and is prevented from rotary movement by the guide plates 20—21. It thus follows as the stud 26 is rotated by the knob 29, the carrier 30 will move up and down on the stud.

Pivotally mounted at 31—31 in the carrier 30 are arms 32—32. At their outer ends, as shown particularly in Figures 3 and 5, the arms 32—32 have pushers 33—33 formed thereon. The arms 32—32 pass between the flanges 12 of the channel members.

As will be seen from an inspection of Figures 3 and 8, the mascara or cosmetic refills are provided at one end with a metal ferrule or cap 34. The pushers 33 engage the ferrules 34 and thus breaking or deformation of the strip of mascara is prevented.

A neat casing 35 is adapted to enclose the device when it is not in use. The open end of the casing fits snugly over the cover 15 and the channel members are forced slightly toward each other, see Figure 2, when entered into the casing. The handle 23 of the mascara brush is formed of spring material and when the device is enclosed in its casing 35 this handle rests in the depression 22. When the device is removed from the casing the handle 23 springs somewhat away from the guide plate to facilitate its easy removal.

In order to facilitate the removal of the channel members 10—10 from their sockets 14—14, the sides of these members are serrated or roughened as indicated at 36—36 in Figure 2. These serrated or roughened portions prevent the thumb and finger from slipping on the smooth surface of the channel members when withdrawing them from their sockets.

Figure 7 illustrates the operation of the applicator. The channel members are pressed together by thumb and finger with the eyelashes slightly held between them to apply the mascara and the applicator is then slidably moved outwardly along the length of the eyelashes away from the eye, thereby depositing color material along the entire length on both upper and lower sides of each individual hair in contact with the applicator. The applicator, in its outward motion, is also moved upwardly at the same time, to approximately the position shown in broken lines, in order to impart the desired curl to the eyelashes. The applicator of necessity is narrower than the length of the eyelid and is therefore applied in several positions across the length of the eyelid so that all the eyelashes are colored. In each instance, the lashes are slightly gripped by the applicator and in sliding it outwardly and upwardly off the lashes the color is imparted to the lashes together with a curl.

Another advantage is that in the slight gripping of the lashes and outwardly sliding off motion, all dead or loose lashes are eliminated, also the roots of the lashes are gently massaged so that they are kept in a perfect healthy condition.

Such changes as details of construction and arrangement of parts as may be made by one skilled in the art are to be considered as coming within the spirit of the invention as set forth in the appended claims.

We claim:

1. A device of the character described, comprising a pair of channel members adapted to carry strips of cosmetic material, said strips of cosmetic material being supported for their entire length in said channel members and means for connecting said members for relative movement toward and away from each other.

2. A device of the character described having in combination, a pair of channel members adapted to carry strips of cosmetic material, means for connecting said members for relative movement toward and away from each other, and means for feeding said strips of cosmetic material from said channel members.

3. A device of the character described having in combination, a pair of channel members adapted to carry strips of cosmetic material, sockets in which said channel members are removably mounted, means for connecting said sockets together so that said channel members may have relative movement toward and away from each other, and means for feeding said strips of cosmetic material from said channel members.

4. A device of the character described having in combination, a pair of channel members adapted to carry strips of cosmetic material, sockets in which said channel members are removably mounted, means for connecting said sockets together so that said channel members may have relative movement toward and away from each other, guide plates for said channel shaped members, and means for feeding said strips of cosmetic material from said channel members.

5. A device of the character described having in combination, a pair of channel members adapted to carry strips of cosmetic material, sockets in which said channel members are removably mounted, means for connecting said sockets together so that said channel members may have relative movement toward and away from each other, guide plates for said channel shaped members, a depressed portion in one of said guide plates in which a brush or accessory may be mounted, and means for feeding said strips of cosmetic material from said channel members.

6. A device of the character described having in combination, a pair of channel members adapted to carry strips of cosmetic material, sockets in which said channel members are removably mounted, means for connecting said sockets together so that said channel members may have relative movement toward and away from each other, a threaded stud disposed between said channel members, and means operated by said stud for feeding said strips of cosmetic material from said channel members.

7. A device of the character described having in combination, a pair of channel members adapted to carry strips of cosmetic material, sockets in which said channel members are removably mounted, means for connecting said sockets together so that said channel members may have relative movement toward and away from each other, a threaded stud disposed between said channel members, said stud being free to rotate but held against longitudinal movement, a carrier mounted on said stud, and means operated by said carrier for feeding said strips of cosmetic material from said channel members.

8. A device of the character described having in combination, a pair of channel members adapted to carry strips of cosmetic material, sockets in which said channel members are removably mounted, means for connecting said sockets together so that said channel members may have relative movement toward and away from each other, a threaded stud disposed between said channel members, said stud being free to rotate but held against longitudinal movement, a carrier mounted on said stud and a pair of pushers pivotally connected to said carrier for feeding said strips of cosmetic material from said channel members.

9. A device of the character described having in combination a pair of channel members adapted to carry strips of mascara material, sockets in

which said channel members are removably mounted, means for connecting said sockets together so that said channel members may have relative movement toward and away from each other, means for movement mounted between said channel members, said means for movement being held against longitudinal movement, a carrier mounted on said means and a pair of pushers pivotally connected to said carrier for feeding said strips of mascara material from said channel members.

10. A device of the character described having in combination, a pair of members adapted to carry strips of cosmetic material, the free ends of said members being curved toward each other and shaped so that the edges of said ends are substantially parallel when the ends are brought together, means for connecting said members for relative movement toward and away from each other, and means for feeding said strips of cosmetic material from said members.

11. A device of the character described having in combination, a pair of members adapted to carry strips of cosmetic material, sockets in which said members are removably mounted, gripping means on said members to facilitate the insertion or removal thereof with relation to said sockets, means for connecting said sockets together so that said members may have relative movement toward and away from each other, and means for feeding said strips of cosmetic material from said members.

12. A device of the character described having in combination, a pair of channel members adapted to carry strips of cosmetic material, means connecting said members for relative movement toward and away from each other, means for feeding said strips of cosmetic material from said channel members, and lips on the free ends of said channel members to prevent the cosmetic material from curling around onto the outer surfaces of the channel members and to assist in the even application of the cosmetic material.

13. A device of the character described having in combination: a pair of channel members adapted to carry strips of cosmetic material; sockets in which said channel members are removably mounted; means including a base plate for connecting said sockets together so that said channel members may have relative movement toward and away from each other; guide plates, integral with said base plate, for said channel shaped members; and means for feeding said strips of cosmetic material from said channel members.

14. A device of the character described, having in combination: a pair of channel members adapted to carry strips of cosmetic material; sockets in which said channel members are removably mounted; a base plate connecting said sockets together so that the channel members are movable with relation to each other; a pair of spaced parallel guide plates integral with said base plate and having their outer ends inwardly bent and in lapped relation; a screw journalled in one end thereof in the lapped ends of the guide plates and at the other end thereof in the base plate; a carrier mounted on said screw; and a pair of pushers pivotally mounted on said carrier, whereby rotation of said screw moves the carrier, thereby feeding the cosmetic material from the outer ends of the channel members by reason of the action of the said pushers within the channel members.

15. A device of the character described having in combination: a pair of channel members adapted to carry strips of cosmetic material; sockets in which said channel members are removably mounted; a base plate connecting said sockets together so that the channel members are movable with relation to each other; a pair of spaced parallel guide plates integral with said base plate and having their outer ends inwardly bent and in lapped relation; a screw journalled at one end thereof in the lapped ends of the guide plates and at the other end thereof in the base plate, penetrating therethrough and terminating in an integral operating handle; a carrier mounted on said screws; and a pair of pushers pivotally mounted on said carrier, whereby rotation of said screw moves the carrier thereby feeding the cosmetic material from the outer ends of the channel members by reason of the action of the said pushers within the channel members.

16. A device of the character described having in combination: a pair of hollow members adapted to carry strips of cosmetic material therein, said members each having a longitudinally disposed slot on the inner surface thereof; sockets in which said members are removably mounted; a base plate connecting said sockets together so that the said members are movable with relation to each other; a pair of spaced parallel guide plates integral with said base plate and having their outer ends inwardly bent and in lapped relation; a screw journalled at one end thereof in the lapped ends of the guide plates and at the other end thereof in the base plate; a carrier mounted on said screw; and a pair of pushers slidably mounted within the hollow members and having operating arms extending outwardly through the slots in the hollow members, the inner ends of said arms being pivotally connected to said carrier, whereby rotation of said screw moves the carrier, thereby feeding the cosmetic material from the outer ends of the hollow members.

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