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LIP ROUGE APPLICATOR

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This invention relates to a lip stick holder or applicator, and relates more particularly to a device of this character embodying effective means for smoothing and spreading the rouge.

A general object of the invention is to provide a simple, practical and particularly effective lip stick holder embodying a brush for smoothing and spreading the lip rouge.

Another object of this invention is to provide a lip stick holder embodying a brush arranged or positioned where it may be easily and conveniently employed to apply, spread, smooth and outline the rouge, making it unnecessary to use the finger tips for this purpose.

Another object of this invention is to provide a lip rouge applicator of the character mentioned in which the brush protrudes from the effective end of the holder or device to be readily and conveniently available for immediate use.

Another object of this invention is to provide a lip stick holder of the character mentioned in which the brush does not interfere with the application of the lip rouge in the usual manner.

Another object of this invention is to provide a lip stick holder of the character mentioned embodying means for feeding the lip stick from the holder as it is consumed or used, and means for retracting the brush when the stick becomes materially shortened through use.

A further object of this invention is to provide a lip stick holder of the character mentioned that is small and compact and easy and convenient to use.

The various objects and features of my invention will be fully understood from the following detailed description of a typical preferred form and application of the invention, throughout which description reference is made to the accompanying drawing, in which:

Fig. 1 is a side elevation of the lip stick holder embodying the present invention. Fig. 2 is a view similar to Fig. 1 showing the device with the cover or cap removed. Fig. 3 is a central longitudinal detailed sectional view of the holder showing the cap removed and the lip stick shortened through wear and projecting from the end of the holder. Fig. 4 is a transverse detailed sectional view taken as indicated by line 4—4 on Fig. 2, and Fig. 5 is an enlarged transverse detailed sectional view taken as indicated by line 5—5 on Fig. 3.

The present invention is adapted to be embodied in forms having various means for feeding or advancing the lip stick and in forms having cases or bodies of various shapes, constructions, etc. In the following detailed description I will describe a typical preferred form of the invention embodying a holder having a lip stick feeding means operated by relative rotation between the parts, it being understood that the invention is not to be construed as limited or restricted to the specific form or application of the invention about to be described.

The embodiment of the invention illustrated in the drawing includes, generally, a body or case 10, a tubular stick 11 of rouge, means 12 for feeding or advancing the stick 11 relative to the case 10, and a retractable brush 13 projecting through the tubular stick 11.

In the particular form of the invention illustrated in the drawing the body or case 10 of the device is a cylindrical tubular member. The case 10 may be uniform in diameter and may be of substantial length. An inward annular flange 14 is provided on what I will term the outer end of the case 10. A removable cover or cap 15 is provided to normally close the outer end of the case 10. The cap 15 is tubular in form to slidably telescope over the major outer portion of the case. An outwardly projecting annular bead or flange 16 on the tubular case 10 limits the inward movement of the cap 15 on the case. The outer portion of the cap 15 has a socket 17 for receiving the brush 13 when the cap is in position on the case. The particular cap 15 illustrated has a plurality of cylindrical portions 18 of progressively smaller diameter on its outer end, it being understood that the cap may be of any suitable design. The cap 15 may be readily slid from the case 10 to leave the stick 11 and the brush 13 exposed for use.

The lip stick 11 is an elongate piece or body of lip rouge or the like. The stick 11 is preferably cylindrical and is proportioned to readily enter and project from the outer end of the case 10. It is a feature of the invention that the lip stick 11 is tubular. A central longitudinal opening 19 extends through the lip stick 11 from one end to the other. The stick 11 is initially of substantial length as illustrated in broken lines in Fig. 2. Fig. 3 of the drawing illustrates the stick 11 shortened after extensive use. The inner end of the lip stick 11 is received or carried in a suitable carrier 20. The carrier 20 is a cylindrical part of metal, or the like, proportioned to freely pass through the flange 14 on the outer end of the case 10. The inner end of the lip stick 11 may be molded or force-fitted in the outer portion of the carrier 20 and the carrier has an internal bead or flange 21 for definitely limiting inward movement and displacement of
the lip stick. The carrier 20 may be a cup-like member having a transverse web or wall 22 extending across its outer end. The wall 22 is provided with a central opening 23 for the purpose to be hereinafter described.

As pointed out above, the invention may be embodied in a holder having feeding means or lip stick advancing means of various natures. In particular lip stick feeding means 12 illustrated in the drawing is operable by relative rotation between certain parts of the device to move the stick 11 longitudinally into and out of the outer end of the case 10. The means 12 includes a sleeve 24 arranged in the case 10 against its internal surface. The sleeve 24 may be secured against rotation relative to the case 10 by pressing an annular bead 25 of the sleeve into the annular depression at the inner side of the bead or flange 16. The sleeve 24 preferably terminates some distance from the outer end of the case 10.

The means 12 further includes a disc or knob 26 arranged across the inner end of the case 10. The knob 26 extends beyond the periphery of the case 10 and its periphery is knurled to be conveniently turned or manipulated.

The means 12 further includes a rotary sleeve or tube 27. The tube 27 is arranged longitudinally within the sleeve 24 and is secured or fixed to the turnable knob 26. In the structure illustrated an annular flange 28 on the inner end of the tube 27 is sweated or otherwise fixed to the knob 26. The tube 27 extends outwardly to surround the lip stick carrier 20. A spring or wire 29 is sprung into the carrier 20 and has a finger 30 projecting outwardly through an opening 31 in the wall of the carrier. The finger 30 passes through a longitudinal slot 32 in the rotary tube 27 and projects into a spiralled cam slot 33 in the sleeve 24 to cause longitudinal movement of the carrier 20 when there is relative movement between the sleeve 24 and the tube 27. A bead 34 on the tube 27 may rotatably fit in the con cave inner side of the bead 25 to prevent longitudinal movement of the tube. With the parts just described relative rotation between the case 10 and the knob 26 effects longitudinal movement of the carrier 20 and the lip stick 11 relative to the case 10, this action resulting from the cooperation of the finger 30 with the slots 32 and 33. The parts are related so that the stick 11 may be fully retracted within the case 10 and projected a substantial distance from the outer end of the case by suitable manipulation of the knob 26.

The brush 13 and its supporting stem 35 are important features of the invention. The brush 13 projects from the outer end of the case 10 to be available for spreading and smoothing the rouge after the rouge has been applied in the usual manner and the stick 11 has been retracted. The stem 35 which carries the brush 13 extends longitudinally through the holder to pass through the opening 23 in the wall 22 and to project the opening 19 in the lip stick 11. The stem 35 is threaded through an opening 36 in the knob 26 and has an operating part or knob 37 on its end part which projects from the knob 26. The knob 37 is suitably fixed to the stem 35. The stem 35 of the brush 13 normally turns with the knob 37, but the knob 37 may be manipulated to thread the stem 35 through the knob 26 to advance or retract the brush 13. The brush 13 is formed of a group or tuft of bristles secured to the outer end of the stem 35. In practice the brush 13 may comprise one or more tufts of camel's hair set or cemented in a socket 38 in the outer end of the stem 35. The parts are proportioned so that the brush 13 is adapted to project from the outer end of the case 10 and the lip stick 11 when the lip stick is fully retracted in the case. When the stick 11 is worn away and is relatively short the stem 35 may be thread ed inwardly to retract the brush 13 so that the brush does not interfere with the application of the rouge.

In use or operation the cap 15 may normally close the outer end of the case 10 and its socket 17 may receive the projecting brush 13 with suitable clearance. The cap 15 may be readily removed from the case 10 whereupon the knob 26 and the case 10 may be turned relative to one another to feed or project the lip stick 11 from the outer end of the case 10. It will be observed that the brush 13 is connected with the knob 26 by the stem 35 so that it is not protruded with the stick 11. Thus the lip stick 11 may be projected from the case 10 to have its effective outer end beyond or clear of the brush 13. This permits the lip rouge to be applied in the usual manner and the brush 13 in no way interferes with the application of the rouge. Following the application of the lip stick or rouge the stick 11 may be again retracted into the case by suitable relative rotation between the case 10 and the knob 26, whereupon the brush 13 may be employed to spread and smooth the rouge. If desired the active outer end of the lip stick 11 may be projected to some extent so that the brush 13 projects only a slight distance from its outer end, so that the rouge may be applied simultaneously with the use of the brush 13. The brush 13 is centrally located at the outer end of the holder or device so that it is conveniently accessible for the smoothing and spreading of the rouge. The rouge application may be accurately and effectively distributed, spread and outlined with the brush 13 making it unnecessary to soil the fingertips as is now the general practice.

The amount or extent of projection of the brush 13 from the outer end of the retracted lip stick 11 and the case 10 may be varied by merely turning the knob 37 to thread the stem 35 through the knob 26. When the lip stick 11 becomes materially shortened, as illustrated in Fig. 3, the brush 13 may be retracted by threading the stem 28 through the knob 26 so that the brush 13 does not interfere with the free application of the lip rouge. Advancement and retraction of the tubular lip stick 11 over the brush 13 keeps the brush in shape and may prevent an excess accumulation of rouge on the brush. The embodiment of the brush 13 and its stem 35 in the holder does not render the device cumbersome and does not materially complicate its construction.

Having described only a typical preferred form and application of my invention, I do not wish to be limited or restricted to the specific details herein set forth, but wish to reserve to myself any variations or modifications that may appear to those skilled in the art to fall within the scope of the following claims.

Having described my invention, I claim:
1. In a cosmetic applicator, a tubular stick of rouge, and a brush reciprocally movable in the opening of the stick.
2. In a cosmetic applicator, a tubular stick of rouge, a brush in the opening of the stick, the stick and brush being related for relative longitudinal movement, and means for effecting rel-
ative longitudinal movement between the stick and brush.

3. A cosmetic applicator including, a case, a tubular stick of rouge movable in the case between retracted and projected positions, and a brush in the opening of the stick and supported by the case to be exposed when the stick is in the retracted position in the case.

4. A cosmetic applicator including, a case, a tubular stick of rouge movable in the case between retracted and projected positions, a brush in the stick exposed when the stick is in the retracted position, and means supporting the brush on the case for adjustment longitudinally of the stick.

5. A cosmetic applicator including, a case, a tubular stick of rouge movable in the case between retracted and projected positions, a brush extending through the stick to be exposed when the stick is in the retracted position, and means supporting the brush on the case operable to partially retract the brush when the stick is shortened through use.

6. A cosmetic applicator including, a case, a tubular stick of rouge movable in the case between retracted and projected positions, means for moving the stick between said positions, and a brush in the opening of the tubular stick and normally stationarily supported on the case to be exposed when the stick is in the retracted position.

7. A cosmetic applicator including, a case, a tubular stick of rouge movable in the case between retracted and projected positions, a stem carried by the case and extending into the stick, and a brush on the stem exposed at the end of the stick when the stick is in the retracted position.

8. A cosmetic applicator including, a case, a tubular stick of rouge movable in the case between retracted and projected positions, a stem extending into the stick, a brush on the stem exposed at the outer end of the stick when the stick is in the retracted position, and means for moving the stem longitudinally.

9. A cosmetic applicator including, a case, a tubular stick of rouge movable in the case between retracted and projected positions, a stem extending into the stick, a brush on the stem exposed at the outer end of the stick when the stick is in the retracted position, means for moving the stick between said positions, and screw thread means for moving the stem to retract the brush when the stick becomes short through use.

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