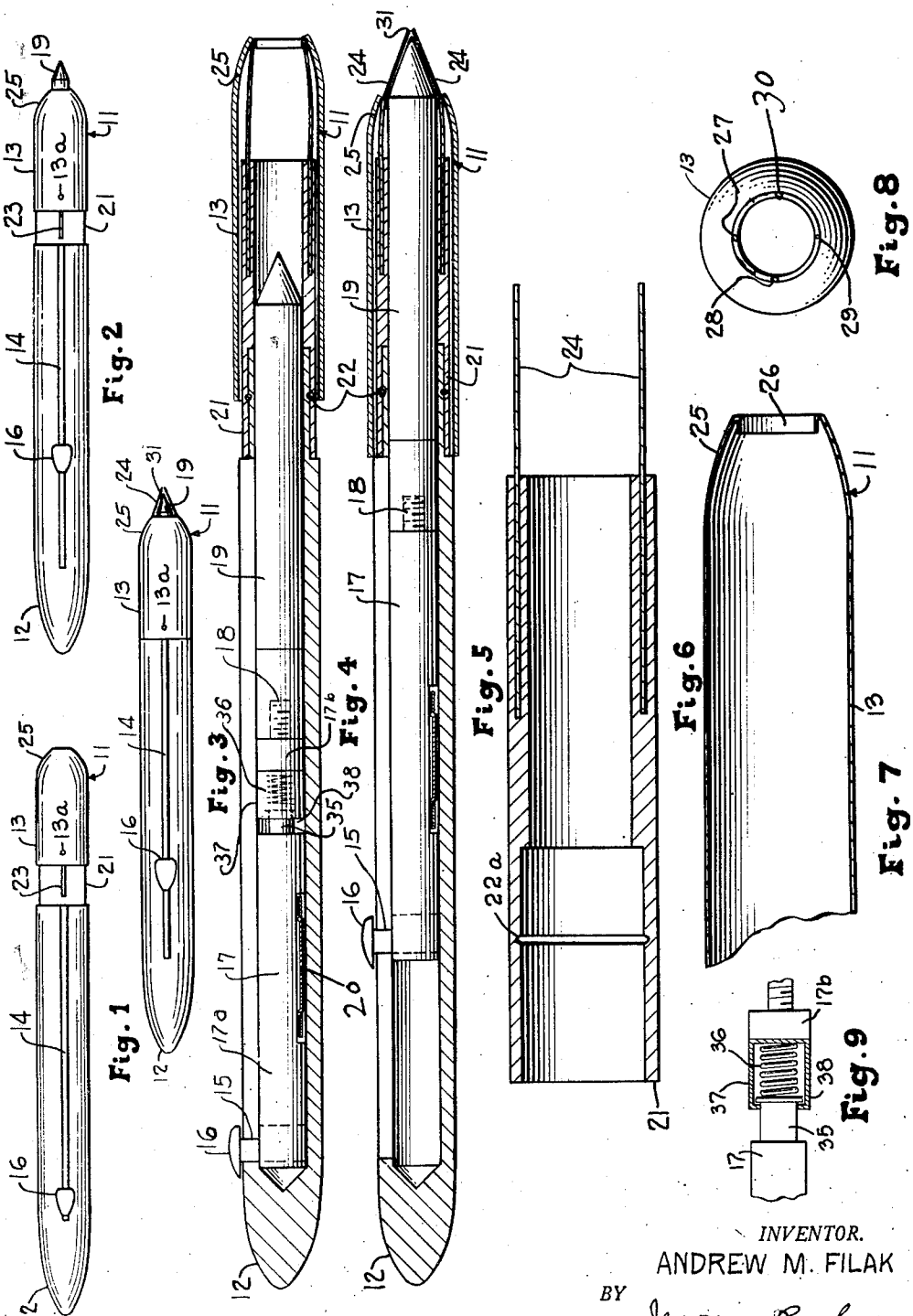
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EYEBROW PENCIL

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EYEBROW PENCIL

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The invention disclosed in this application relates to marking devices for facial use, is illustrated specifically by a marking device containing a relatively soft marking substance suitable for use on the eyebrows, known as an eyebrow pencil. In general, the embodiment of the invention disclosed comprises a holder which carries the marking element or crayon; means for adjustably projecting one end of the marking element from the holder; a sleeve which carries cutting members adapted to point the marking element to facilitate its use; and a cover section which is slidably mounted on the sleeve, through which the marking element at times extends, and which is adapted to control the position of the cutting elements so as to move them into and out of operative position in which they may point the marking element.

One of the objects of this invention is to provide a new and improved marking device.

A further object of my invention is to provide a self-sharpening device for a pencil which is easily cleaned of shavings.

A further object of my invention is to provide a marking device which may be carried with the crayon and sharpening elements concealed but which may be manipulated to project either separately or both together from the cover when desired.

A further object of my invention is to provide a device of the type described in which the cutting member or members are secured within the cover member normally but in which said cutting member or members may be extended beyond the end of the cover member when the cover member is retracted and thus will move the cutting member or members into operative position.

One of the features of my invention is the provision of a sleeve having one or more wires embedded longitudinally therein and having portions of the wire or wires extending lengthwise therefrom which serve as cutting members for sharpening the point of the marking element.

A further feature of my invention is the provision of a cover for a marking element, the cover having a reduced forward portion through which there are a plurality of openings, one for each of a plurality of cutting wires whereby the position of the wires is controlled to move them into an operative position in which they will sharpen the marking element and to move them out of the cutting position so that the marking element may be used.

Further objects and features and advantages of the invention will be apparent from the drawings illustrating an embodiment of the invention and from the detailed description which follows and from the appended claims.

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In the drawings:

Fig. 1 is a view in side elevation of the embodiment of my invention showing the sharpener in the inactive position and the pencil or marking device in its retracted position;

Fig. 2 is a similar view in side elevation but showing the pencil in its extended or marking position while showing the sharpener still in its inactive position;

Fig. 3 is a similar view in side elevation showing the cover retracted so that the sharpener is active and showing the marking element extended only so far that it cooperates with the sharpening members;

Fig. 4 is a view in longitudinal section of the embodiment shown in Figs. 1, 2 and 3 with the parts in the position of Fig. 1;

Fig. 5 is a view in longitudinal section of the embodiment shown in Figs. 1–4, inclusive, with the parts in the position of Fig. 3;

Fig. 6 is a view of an enlarged section of the sleeve which carries the cutting elements;

Fig. 7 is a fragmentary view in section and on an enlarged scale of a portion of the cover which controls the position of the cutting element;

Fig. 8 is a view in an enlarged end elevation of the cover which controls the position of the cutting elements; and

Fig. 9 is a fragmentary view in vertical section and on an enlarged scale of a portion of Fig. 4 supplied in order to show more clearly the resilient connection between the portions of the holder for the marking element.

Referring to the drawings for a detailed description thereof, it may be seen that I have shown in Fig. 1 an eyebrow pencil generally designated 11 provided with a main barrel or casing 12 and a forward cover 13. As is shown more clearly in Figs. 3 and 4, the main barrel 12 is substantially hollow and is formed with a slot 14 through which there extends a projection 15 on which there is mounted the button 16. Within the hollow of the barrel 12 there is provided a holding element 17 formed with a threaded projection 18 onto which there is screwed the marking element (in this case an eyebrow pencil) 19. A spring friction holding device 20 maintains the holding element 17 releasably in any desired position. The holding element 17 is of two pieces 17a and 17b resiliently connected to each other as will be later more fully described. The main barrel 12 preferably

is of plastic. Surrounding its forward end, I provide a sleeve 21 which also preferably is of plastic. The sleeve 21 is secured to the main barrel 12 by a locking ring 22 which fits in grooves formed on the exterior surface of the barrel 12 and in the interior surface of the sleeve 21 the latter being shown in Fig. 6 and indicated by the numeral 22a. This allows rotation of the sleeve but prevents longitudinal movement thereof. Telescoping over sleeve 21, I provide the forward cover 13 which is secured in place by means of a small projection 13a which is formed on the inner surface of the sleeve and which extends into a slot 23 formed on the outer surface of the sleeve 21. The outer cover 13 preferably is of metal. The projection 13a which fits into the slot 23 may be a pin extending through the cover 13 which may be formed by a punching operation or may be any other suitable projection.

I provide a plurality of wires 24 (four as shown, although more or less could be provided) which are embedded in the forward portion of the sleeve 21 longitudinally thereof and extend longitudinally forward from the forward end of the sleeve as is shown most clearly. While more than six cutters could be used, I prefer to provide six or less as, for example, five. Two could be used or even only one provided. However, I consider that three to five are most efficient. If only one is used, it approaches the axis of the casing for the sharpening position but obviously does not come to a point with other cutting elements as occurs when more than one element is provided. The cover 13 is tapered at its forward end as at 25 and at its extreme end as at 26 is formed with an inwardly rolled rim. Through this rim there are formed openings 27, 28, 29 and 30, the holes having substantially the same diameter as the diameter of the wires 24. The wires extend through these openings. Thus, when the cover 13 is in its rearward position as shown in Figs. 3 and 5, the wires are constrained to turn inward and come together at a point as at 31. When the marking device is moved into contact therewith as shown in Fig. 3, rotation of the marking device relative to the wires by turning the main barrel 12 relative to the sleeve 21 and the cover 13, sharpens the point of the marking device for use. When the cover 13 is moved forward to the position shown in Figs. 1 and 2, the wires 24 spread outward to the position shown in Fig. 4 and do not interfere nor groove with either the retraction or projection of the pencil.

I have stated above that barrel 12 and sleeve 21 are preferably of plastic. They may either or both be of any other desired material as for example metal. Similarly, the cover, although preferably of metal, could, if desired, be of any other material.

Although the cutting elements are shown as metal wires, they could, if desired, be flat ribbons of spring steel or metal in which case the openings 27, 28, 29 and 30 might preferably be slits.

As stated above, the holding element 17 is of two pieces resiliently connected together. The rear portion 17a is connected to the button 16 and to the friction holding device 20. The forward portion 17b is formed with the projection 18. The rear portion 17a has a forward extension 35 of reduced diameter which extends into a spring well 37 in the rear end of the forward portion 17b. A compression spring 36 is provided in the well. The extension 35 and the mouth 38 of the well 37 are each provided with flanges to prevent the two portions 17a and 17b from separating entirely. Nevertheless, the spring normally maintains the portions 17a and 17b in extended condition. The strength of the spring 36 is insufficient to overcome either the holding force of the friction device or to spread the wires 24.

In the operation of the pencil, let us assume the pencil is in the condition shown in Fig. 1. It may be desirable to sharpen the pencil. In such case the cover 13 is moved inwardly to the position shown in Fig. 3, causing the ends of the wires 24 to come together in a point at 31. The marking element is then protruded into contact with the wires by means of the button 16, the spring 36 being compressed to a greater or less degree by this operation. Rotation of the barrel back and forth relative to the sleeve 21 and the cover 13 sharpens the point of the marking element, the spring 36 feeding the crayon forward as it is sharpened. Obviously, the sleeve and cover may be rotated and the barrel held stationary, if desired. After sharpening the crayon, the cover 13 is moved to the position shown in Figs. 1 and 2. The shavings are then easily removed. Then the pencil is extended to the position shown in Fig. 2. Thereupon, it may be used with the sharpened point. After use of the pencil, the crayon is returned to the position of Fig. 1 by means of the button 16, this being the normal carrying position.

It is to be understood that the above described embodiment of my invention is for the purpose of illustration only and various changes may be made therein without departing from the spirit and scope of my invention.

I claim:

1. A device of the character described comprising a casing formed with an axial bore and a longitudinal slot and provided with a forward portion having a reduced diameter; a holding element movable longitudinally in said casing; a crayon secured to said holding element and movable therewith; a sleeve rotatably secured to said forward portion of the casing and constrained against longitudinal movement relative thereto; a cover formed substantially as a cylinder telescoping onto said sleeve and formed with a reduced forward portion and with an inwardly rolled rim at the forward end of said reduced portion, the rim being provided with a plurality of openings; a cutting element comprising a plurality of metal wires secured in said sleeve and extending forward therefrom within the cover and through the openings of said cover; means for preventing rotation of said cover relative to said sleeve while allowing limited forward and rearward relative movement of the cover and sleeve; and means comprising a projection extending through said slot for moving said holding element together with said crayon back and forth through said sleeve and cover and when desired into contact with said cutting element whereby the crayon may be sharpened by rotation of the sleeve, cover and cutting element.

2. A device of the character described comprising a substantially cylindrical casing; a marking element movable longitudinally therein; a cover secured to said casing but movable longitudinally thereof and formed at the forward end with an aperture larger in diameter than said marking element and with a rim around said aperture having a hole; a resilient cutting element rotatably secured to said casing at a point a greater distance from the longitudinal axis of the casing than said hole and extending forward within the cover and through the hole of the rim of said cover

whereby movement of said cover rearwardly causes the front end of said cutter to move inwardly toward the longitudinal axis of said casing; and means for moving said marking element longitudinally through said cover and into contact with said cutting element when the front end of the cutter is moved inwardly.

3. A device of the character described comprising a substantially cylindrical casing; a marking element movable longitudinally therein; a member secured to said casing and rotatable relative thereto; a cover secured by a projection and slot connection to and telescoping onto said member so that it is movable longitudinally thereof and is rotatable relative to said casing, and formed at the forward end thereof with an opening larger in diameter than said marking element and with a rim around said opening having a hole; a cutting element secured to said member at a point a greater distance from the longitudinal axis of the casing than said hole and extending forward therefrom within the cover and through the hole in the rim of said cover whereby movement of said cover rearwardly causes the front end of said cutter to move inwardly toward the longitudinal axis of said cover; and means for projecting said marking element longitudinally through said cover and into contact with said cutting element when the front end of the cutter is moved inwardly.

4. A device of the character described comprising a substantially cylindrical casing; a marking element movable longitudinally therein; a member rotatably secured to said casing; a cover secured by a projection and slot connection to and telescoping onto said member so that it is movable longitudinally thereof and is rotatable relative thereto, and formed with a reduced forward portion and with an inwardly rolled rim at the forward end of said reduced portion, the rim being larger in diameter than said marking element and being provided with a hole; a cutting element secured to said member at a point a greater distance from the longitudinal axis of the casing than said hole and extending forward therefrom within the cover and through the hole in the rim of said cover whereby movement of said cover rearwardly causes the front end of said cutter to move inwardly toward the longitudinal axis of said casing; and means for moving said marking element longitudinally through said cover and into contact with said cutting element when the front end of the cutter is moved inwardly.

5. A device of the character described comprising a casing; a marking element movable longitudinally therein; a sleeve rotatably secured to said casing and constrained against longitudinal movement relative thereto; a cover telescoping onto said sleeve rotatable relative thereto and formed at the forward end thereof with a plurality of openings; a plurality of cutting elements secured to said sleeve and extending forward therefrom within the cover and through the openings

of said cover; means for preventing rotation of said cover relative to said sleeve while allowing limited forward and rearward relative movement; and means for projecting said holding element together with said marking element back and forth through said sleeve and cover and when desired into contact with said cutting element.

6. A device of the character described comprising a casing; a crayon therein; means for moving said crayon longitudinally through said casing, a cutter element comprising a plurality of metal wires secured to said casing for rotative movement but constrained against longitudinal movement, a substantially cylindrical open ended forward cover secured to said casing and rotatable relative thereto and movable for a limited distance longitudinally thereof having a reduced forward end, and provided with a plurality of openings in said forward end, whereby longitudinal movement of said cover away from said casing moves the forward ends of said wires toward a point at the axis of said casing to make the cutter operative, rotation of said cutter and cover relative to said casing and crayon in contact with said crayon at such time forms a point on said crayon, and movement of said cover toward said casing retracts said cutter so that the crayon may be freely extended and retracted without grooving.

7. A device of the character described comprising a casing; a crayon therein; means for moving said crayon longitudinally through said casing, a cutter element secured to said casing for rotative movement but constrained against longitudinal movement, a substantially cylindrical open ended forward cover rotatably secured to said casing, movable for a limited distance longitudinally thereof, having a reduced forward end, and provided with an opening in said forward end, whereby longitudinal movement of said cover away from said casing moves the forward end of said cutter toward the axis of said casing to make the cutter operative, rotation of said cutter and cover relative to said casing and crayon at such time forms a point on said crayon, and movement of said cover toward said casing retracts said cutter so that the crayon may be freely extended and retracted without grooving.

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