Patented Aug. 31, 1937 2,091,313

UNITED STATES PATENT OFFICE

2,091,313

DEPILATORY

William M. Grant, New York, N. Y.

No Drawing. Application July 25, 1934, Serial No. 736,967

4 Claims. (Cl. 167—89)

My invention relates to an improved method for removing superfluous hair and to the product for enhancing the removal of hair.

The formula of a preferred form of my invention comprises a homogeneous admixture of honey, rosin, wax and citric acid or equivalents in suitable proportions relative to one another.

Optimum results are obtained by admixing the above stated ingredients or the respective equivalents in proportions by weight of which these ingredients are in amounts from greater to lesser in the order of the same as above stated, that is to say, the proportion of honey exceeds the proportion of rosin, which in turn exceeds the proportion of wax, and which in turn exceeds the proportion of citric acid.

Homogeneous admixtures of the above stated ingredients are obtained as follows, for the illustrative formula, to wit:

	Lbs.	Ozs.
Honey	72	3
Rosin	20	10
Wax	6	14
Citric acid	1	11

It is desirable that the rosin and wax ingredients be first mixed with one another, namely, by the application of heat in a suitable vessel; the honey ingredient is then added gradually, accompanied by slow but continuous stirring, say, for 1¼ hours. The citric acid ingredient is then added and the resulting admixture stirred for, say, fifteen minutes. The final product is then poured into a mixing machine, and the mixing continued to attain intimate intermixing and until the product has cooled. The final product acquires a creamy texture.

In the use of the admixture, the area of the skin from which the hair is to be removed, is first thoroughly cleansed, and then completely dried; a thin layer of the stated admixture is then spread over the area of the skin to be treated. It is advantageous that the spreading of the admixture be in the direction of extension of the hair. A cloth, such as a felted cotton strip, is then placed over the treated area, and firm pressure applied upon the exposed face of the cloth. One end of the cloth or strip is then grasped and a quick pull is applied. It is advantageous to apply the pull in a direction counter to the direction of extension of the hair. The removal is thus complete over the area treated and is effected without any sensation of pain.

My hair removing admixture has a pleasing aroma, is non-poisonous; and its creamy appearance and texture are most favorable contributory factors in its sales appeal as well as in its use.

Based upon my observations, with respect to the stages of manufacturing my product, the honey ingredient functions to impart the desired degree of viscosity to the admixed rosin and wax, and combined with such action the citric acid ingredient functions to impart a creamy texture and pleasing appearance of the final product, the degree of creaminess being enhanced by the stirring. The citric acid ingredient also functions to preclude any tendency of the honey to crystallize or otherwise rendering the product granular in its physical constitution.

The removal of hair is carried out by the portion of the product applied to the skin flowing in close facial contact with the skin, whereby the product completely encircles about the hair. The pressure applied to the felted cotton or other strip functions dually to attach the strip to the applied product and enhances or completes the stated action of embedding the hair within the product. Accordingly upon applying a pull to the strip, the individual filaments of the hair thus treated, are readily removed from their roots, and without pain, by the viscous adherence of the product to the individual hairs and by the adherence of the strip to the product.

I claim:

1. An improved composition of matter adapted to be applied to a portion of the human skin from which the hair is to be removed, comprising rosin and wax, the former in higher proportion by weight than the latter, said composition of matter further comprising honey in proportion by weight greater than the stated combined proportions of rosin and wax, said composition of matter further comprising citric acid, said ingredients being intimately intermixed to impart a creamy texture to the resulting composition of matter and a viscosity at ordinary temperatures and when applied to the human skin affording fluidity and adherence relative to the hair of the treated portion of the skin and coherence of the composition of matter relative to itself to afford removal of the hair upon application of force through a suitable instrumentality effective through the applied composition.

2. An improved composition of matter adapted to be applied to a portion of the human skin from which the hair is to be removed, comprising rosin and wax, the former in higher proportion by weight than the latter, said composition of matter further comprising honey in propor-

tion by weight greater than the stated combined proportions of rosin and wax, said composition of matter further comprising citric acid in proportion by weight less than any of aforesaid ingredients, said ingredients being intimately intermixed to impart a creamy texture to the resulting composition of matter and a viscosity at ordinary temperatures and when applied to the human skin affording fluidity and adherence relative to the hair of the treated portion of the skin and coherence of the composition of matter relative to itself to afford removal of the hair upon application of force through a suitable instrumentality effective through the applied composition.

3. A depilatory comprising a normally plastic composition freely spreadable at ordinary temperatures and in its natural state possessing tenacious adhesive qualities for hair, said composition including a waxy substance, a resinous substance, and a normally flowable viscous plasticizer.

4. A depilatory comprising a normally plastic composition freely spreadable at ordinary temperatures and in its natural state possessing tenacious adhesive qualities for hair, said composition including wax, rosin, honey to maintain the composition in a normally plastic state, and citric acid as an emulsifier.

WILLIAM M. GRANT.