

UNITED STATES PATENT OFFICE.

JOSEPH L. BROOKS, OF NEW YORK, N. Y.

HAIR-TONIC AND METHOD OF COMPOUNDING SAME.

1,037,425.

Specification of Letters Patent.

Patented Sept. 3, 1912.

No Drawing.

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To all whom it may concern:

Be it known that I, JOSEPH L. BROOKS, a citizen of the United States, and resident of the borough of Manhattan, in the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Hair-Tonics and Methods of Compounding Same, of which the following is a specification.

Hair tonics or compositions for treating hair are generally used when hair is turning prematurely gray or is falling out. The causes are usually disease or malnutrition of the scalp. The first may properly be treated by suitable medication, while the latter will yield to correct feeding. This feeding of the scalp and the roots of the hair is preferably accomplished by means of fats and greases, properly rubbed into the scalp and the roots of the hair.

The precise invention, forming the subject matter of the present application, refers to a composition for treating hair by means of fats and greases, more particularly medullic acid, the fatty constituent of bone marrow, with a mixture of hydrocarbons of the methane series.

In preparing the compound, 100 parts in weight, of marrow of beef bones are carefully crushed and macerated and kept at a temperature, not to exceed about 72 degrees centigrade. The liquid constituents are then removed by pressing out and filtering off and are slowly cooled until at about 50 degrees centigrade, the now solid fatty acids of a melting point above 48 degrees, are separated from the remaining liquid fatty acids of a lower melting point by decanting.

The solid fatty acids, so obtained, belong to the monobasic acids of the general formula $C_nH_{2n}O_2$, and comprises mainly me-

dullic acid of the formula $C_{21}H_{42}O_2$, having a specific gravity at 60 degrees centigrade of 0.860 and a melting point of $72\frac{1}{2}$ degrees centigrade. This product is then carefully mixed with 1.6 parts of petrolatum, comprising saturated hydrocarbons of the methane series with high carbon content, having a specific gravity at 60 degrees centigrade of 0.820 to 0.850 and a melting point of about 45 degrees centigrade. The mixture is then scented with a suitable odoriferous material, such as oil of bergamot 12 drops and extract of white rose 10 drops.

In order to treat the hair with this tonic, a small quantity is distributed on the finger tips and vigorously rubbed into the scalp and the roots of the hair.

What I regard as my invention or discovery and desire to secure by Letters Patent of the United States, is:—

1. The method of compounding hair tonics which consists in, first, separating from bone marrow the constituents having melting points substantially between 48 and 72 degrees centigrade, second, mixing the same with petrolatum and, third, scenting said mixture with odoriferous material.

2. A composition for treating hair, consisting of the constituents of bone marrow having melting points substantially between 48 and 72 degrees centigrade, petrolatum and odoriferous material.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses, at New York, in the county of New York and State of New York, this thirtieth day of July, 1911.

JOSEPH L. BROOKS.

In presence of—

RALPH JULIAN SACHERS,
R. STROSCHEM.