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Date of Application, 17th Oct., 1910

Complete Specification Left, 13th Apr., 1911—Accepted, 10th Aug., 1911

PROVISIONAL SPECIFICATION.

An Improved Lotion for the Skin.

We, JOHN BOYD DUNLOP, Gentleman, and JOHN BOYD DUNLOP, Junior, Gentleman, both of Leighton, Ailesbury Road, Dublin, do hereby declare the nature of this invention to be as follows:—

This invention relates to an improved lotion for the skin, the main object of the lotion being to soften and beautify the skin, and to increase the circulation of the blood in the part to which it is applied.

According to this invention a lotion to be applied to the skin comprises a solution of phosphate of soda, preferably monophosphate of soda (or di-sodium hydrogen phosphate), to which may be added, if desired, chloride of sodium or potassium.

The phosphate of soda is liable to decomposition and it is found that the addition of the chloride of sodium or potassium is effective in preserving it in its original condition.

The chloride of sodium or potassium further has the effect of increasing the action of the lotion on the skin.

It may also be preferable to add to the solution an alkaline ingredient such as ammonia, soap, carbonate of potash, or carbonate of soda. Such additional ingredients have the effect of improving the cleansing qualities of the lotion.

In preparing the lotion according to this invention the following proportions have been found to give a good result.

To monophosphate of soda or common phosphate mixed with an equal weight of either chloride of sodium or chloride of potassium is added water in the proportion of from 8 to 40 parts by weight of water to the weight of the phosphate of soda, and chloride of potassium or sodium. The amount of water is dependent upon the effect which the lotion is desired to have upon the skin. To increase the cleansing effect of the lotion, a small percentage of any or all of the alkaline agents previously referred to may be added.

The lotion is applied to the skin with slight friction, or may be mixed with water used for ablution purposes.

Although certain proportions for the ingredients have been described, the invention is not limited to the particular proportions, but may be varied to impart to the skin the desired effect. Also phosphates of soda other than monophosphate may be employed.

Dated this 17th day of October, 1910.

BOULT, WADE & TENNANT,
111 & 112, Hatton Garden, London, E.C.,
Chartered Patent Agents.

COMPLETE SPECIFICATION.

An Improved Lotion for the Skin.

We, JOHN BOYD DUNLOP, Gentleman, and JOHN BOYD DUNLOP, Junior, Gentleman, both of Leighton, Ailesbury Road, Dublin, do hereby declare the

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nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to an improved lotion for the skin, the main object of the lotion being to soften and beautify the skin, and to increase the circulation of the blood in the part to which it is applied.

According to this invention a lotion to be applied to the skin comprises a solution of phosphate of soda, preferably monophosphate of soda (or di-sodium hydrogen phosphate), to which may be added, if desired, chloride of sodium or potassium.

The phosphate of soda is liable to decomposition and it is found that the addition of the chloride of sodium or potassium is effective in preserving it in its original condition.

The chloride of sodium or potassium further has the effect of increasing the action of the lotion on the skin.

It may also be preferable to add to the solution an alkaline ingredient such as ammonia, soap, carbonate of potash, or carbonate of soda. Such additional ingredients have the effect of improving the cleansing qualities of the lotion.

It has previously been proposed to admix small quantities of phosphate of soda with soap or soap-powders employed for washing or cleansing purposes in order to soften hard water in which the soap may be employed. As an alternative it has also been proposed to add the phosphate of soda to the water.

In preparing the lotion according to this invention the following proportions have been found to give a good result.

To monophosphate of soda or common phosphate mixed with an equal weight of either chloride of sodium or chloride of potassium is added water in the proportion of from 8 to 40 parts by weight of water to the weight of the phosphate of soda, and chloride of potassium or sodium. The amount of water is dependent upon the effect which the lotion is desired to have upon the skin. To increase the cleansing effect of the lotion, a small percentage of any or all of the alkaline agents previously referred to may be added.

The above lotion is intended to be used at intervals of one week or thereabouts as its continued use daily is liable to cause a roughness of the skin due to reaction. When the lotion is intended to be used daily the phosphate of soda should be in the proportion of two parts or less to one hundred parts of the chloride of sodium or chloride of potassium.

The lotion is applied to the skin with slight friction, or may be mixed with water used for ablution purposes.

Although certain proportions for the ingredients have been described, the invention is not limited to the particular proportions, but may be varied to impart to the skin the desired effect. Also other phosphates of soda than monophosphates may be employed.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A lotion for the purpose described comprising a solution of phosphate of soda with or without the addition of chloride of potassium or chloride of sodium.

2. A lotion according to Claim 1 comprising in addition an alkaline agent such as ammonia, soap, carbonate of potash or carbonate of soda.

3. A lotion for the purpose described prepared as and in the proportions specified.

Dated this 13th day of April, 1911.

BOULT, WADE & TENNANT,
111 & 112, Hatton Garden, London, E.C.,
Chartered Patent Agents.

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