UNITED STATES PATENT OFFICE.

GEORGE A. SCHMIDT, OF CHICAGO, ILLINOIS.

SOAP.

SPECIFICATION forming part of Letters Patent No. 662,096, dated November 20, 1900.

Application filed April 14, 1900. Serial No. 12,909. (No specimens.)

To all whom it may concern:

Be it known that I, GEORGE A. SCHMIDT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Medicated Skin-Soaps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a novel composition for a granular toilet or skin soap, the object being to provide a granular soap by means of which dead skin can be readily removed without producing soreness and the pores completely opened, whereby skin diseases are most readily avoided or cured; and it consists in the combination of ingredients hereinafter fully described and claimed.

Various gritty hard soaps have been and are being made in which the proportion of grit to soap is very small and ineffective, as the soap acts on the grit in about the same manner as grease on a file, preventing the scouring action necessary to produce the desired effect. Besides this defect the hard soap requires too much chafing to properly dissolve, thus giving it a preliminary action similar to sandpaper and producing soreness.

To make a granular soap having the desired efficiency, it is necessary that the proportion of grit be very large relatively to the soap and be always sufficiently free to prevent excessive abrasive action.

To this end I have invented a soap having the desired properties and which is made as follows: Saponify oil with pure potash to make neutral soap. Add ten per cent., by weight, of distilled water. To this mixture, while hot, add six to eight times its weight of pulverized pumice-stone and mix thoroughly in the presence of heat, preferably in a steam-jacketed mixer. At the same time that the grit is added a small quantity, preferably about six per cent, by weight, of glycerin is added. The glycerin acts as a skin-softening agent; but other agents of this nature may be substituted, such as mineral oil or emulsions of fats or waxes made with any form of ammonia.

The grit used is preferably pulverized pumice-stone; but other substances—such as sand, marble-dust, or infusorial earth—may also be used.

My said composition has the advantage of retaining a plastic form, so that it can be readily used without danger of excessive abrasion and on account of its plastic condition is very readily dissolved. In this manner it acts upon the skin sufficiently to remove all dirt and dead skin, so as to leave the pores open, but will not chafe and produce soreness by removing healthy cuticle. By means of thus mixing the grit with a potash soap each particle is practically covered and when applied to the skin said particles roll over it, getting down into the deepest recesses to dislodge dirt and germs, which are apt to lodge therein, and enabling the medicine to secure access to such recesses where its effect is greatest.

I claim as my invention—

1. A granular soap consisting of ten parts by weight, of pure potash soap, one part water, and eighty parts granulated pumice-stone, substantially as specified.

2. A granular soap consisting of ten parts by weight, of pure potash soap, one part water, eighty parts granulated pumice-stone, and one part glycerin, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE A. SCHMIDT.

Witnesses:

RUDOLPH WM. LOTZ,

VERNON E. HODGES.