UNITED STATES PATENT OFFICE.

RICHARD E. WHITTEMORE, OF ESSEX, CONNECTICUT.

IMPROVEMENT IN MEDICATED SOAPS.

Specification forming part of Letters Patent No. **194,021**, dated August 7, 1877; application filed May 10, 1877.

To all whom it may concern:

Be it known that I, RICHARD E. WHITTEMORE, of Essex, in the county of Middlesex and State of Connecticut, have invented a certain new and useful Improvement in Soap; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to medicated soaps; and consists in the production of a compound in which the properties of witch-hazel, or *Hamamelis Virginica*, and soap are united, the object being to produce a soap compound which may be efficaciously employed in the treatment of cutaneous and other diseases or injuries, besides fulfilling the offices of an ordinary soap.

In practicing my invention, while I do not limit myself to any particular process or formula, I prefer to proceed as follows:

I prepare the following ingredients: First, I make an ordinary soap basis of chemically pure tallow and soda lye; second, I make a soap from bayberry tallow with potash-lye; third, I prepare a glycerated extract of *Hamamelis Virginica* or witch-hazel, by extracting the properties of the shrub and evaporating it into a solid extract, one pound of which dissolved in four pounds of chemically pure glycerine makes the glycerated extract. The solid extract should be very strong. From fifteen to twenty bushels of the shrub will usually be required to produce a pound.

Having prepared the ingredients as aforesaid, I take two pounds of the tallow-soap basis, one pound of the bayberry soap, and two pounds of the glycerated extract of *Hamamelis Virginica*, or witch-hazel, which I dissolve by means of heat, and carefully mix and cool. When the compound has been cooled it is treated like ordinary soap.

I prefer this method to all others, and recommend it as being the best of which I am informed, and I also prefer and recommend the formula presented; but it is obvious that the invention may be practiced in numerous ways, and according to other formulas than that set forth.

I do not, therefore, limit my claim to any particular method or formula; but

What I claim as new, and desire to secure by Letters Patent, is—

1. A soap made by incorporating *Hamamelis Virginica* with ordinary soap, substantially as above recited.

2. The combination of the glycerated extract of *Hamamelis Virginica* with the oils and fats to be used in the manufacture of soap, substantially as specified.

3. The combination of the glycerated extract of *Hamamelis Virginica* with alkaline solutions to be used in the maunfacture of soap, substantially as set forth.

4. A soap made by combining *Hamamelis Virginica*, the ingredients of ordinary soap, and bayberry tallow, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

RICHARD ELMER WHITTEMORE.

Witnesses:

L. L. WOOSTER,

H. P. REDFIELD.