

UNITED STATES PATENT OFFICE.

HENRY HUNTINGTON, OF CHICAGO, ILLINOIS.

IMPROVED SOAP.

Specification forming part of Letters Patent No. 43,852, dated August 16, 1864.

To all whom it may concern:

Be it known that I, HENRY HUNTINGTON, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Laundry-Soap; and I do hereby declare that the following is a full, clear, and exact description of the same.

The nature of my invention consists in incorporating with or adding to any of the ordinary soaps a compound consisting of the following-named ingredients: bicarbonate of potash, concentrated lye, spirits of turpentine, or kerosene-oil, or benzole, and aqua-ammonia in the proportions substantially as hereinafter specified.

To enable those skilled in the art to manufacture and use my invention, I will proceed to describe the same with particularity.

The soap is made in any of the ordinary modes, and if hard soap is desired a suitable quantity of rosin or resinous compounds may be added to produce the desired effect; or it may be rendered hard by any other means or process. Before the soap becomes cooled or solidified, I then add to and incorporate with the same, to each and every ten pounds of the soap, three ounces of the concentrated lye dissolved in two quarts of water, one ounce of bicarbonate of potash, one pint of spirits of turpentine, or, instead of the turpentine, the same quantity of kerosene-oil or benzole may be used, and one-half pint of aqua-ammonia, the whole to be thoroughly mixed and incorporated to-

gether; or, if preferred, the soap may be made separate and used as needed by taking ten pounds of soap, (to be shaved fine, if hard soap is used,) and adding the concentrated lye prepared as above, and the bicarbonate of potash, and mixing them thoroughly together and heating the same until the soap melts, when the spirits of turpentine or the kerosene-oil or benzole, whichever is used, and the aqua-ammonia is added in the proportions specified.

The great advantage which my improved soap has over other soaps is that it can be used with cold water, and thus save the labor and expense of heating water for laundry purposes. It does away with the necessity of boiling the clothes, the whole process of washing being done with cold water. It also saves much labor, aside from the above consideration, by its superior deterative properties.

Having thus fully described my invention, what I particularly claim, and desire to secure by Letters Patent, is—

The manufacture of a laundry-soap by the combination of the following ingredients: ordinary soap, concentrated lye, bicarbonate of potash, spirits of turpentine, or kerosene-oil, or benzole, and aqua-ammonia, in the proportions and substantially as and for the purposes herein set forth.

HENRY HUNTINGTON.

Witnesses:

LEWIS L. COBURN,
F. H. BROWN.