

# UNITED STATES PATENT OFFICE.

HERMAN JOHN LEASE, OF MADISONVILLE, OHIO, ASSIGNOR TO LIZZIE MOORE LEASE, OF SAME PLACE.

## SOAP.

SPECIFICATION forming part of Letters Patent No. 654,740, dated July 31, 1900.

Application filed October 28, 1898. Serial No. 694,847. (No specimens.)

*To all whom it may concern:*

Be it known that I, HERMAN JOHN LEASE, a citizen of the United States, residing at Madisonville, in the county of Hamilton and State of Ohio, have invented a new and useful Composition of Matter to be Used in Shaving Soaps, Pastes, Creams, and Emulsions Used in Shaving, of which the following is a specification.

10 The object of my invention is to combine a finely-pulverulent crystallized carbonaceous abrading material with a shaving-soap in such proportion that its application to the face will not be perceptible in shaving, but the razor  
15 in passing over the lathered face will engage the said pulverized abradant and automatically become sharpened. This lather can also be applied by the shaving-brush directly to the strop and forms one of the best-known  
20 abradant compounds for sharpening a razor on a strop. After considerable experimenting with ordinary polishing materials, such as emery, I have discovered that for the purposes of sharpening steel nothing but the pulverized carborundum or its exact equivalent  
25 will answer. This compound can be given a suitable coloring effect to correspond with the soap with which it is to be combined.

My composition consists of the following ingredients combined in the proportions stated, viz: Take a pure curd-soap, and just as the soap is forming a curd, crutch or stir into the curd ten per cent. of carborundum, which should be in the form of a very fine dry powder.

35 In preparing the above-named composition care should be exercised in obtaining a neutral soap, and the ten per cent. of carborundum used is estimated with reference to the weight of the seasoned soap, due allowance

being made for the extra water necessarily employed in the manufacture of the composition, which dries out on being seasoned. Ten per cent. of carborundum is found to give the best results in actual practice; but these proportions may be somewhat varied with  
45 advantage when it is desired to make the composition into several grades of greater or lesser abrasive strength than when an even ten per cent. of carborundum is used in the composition.

By the use of the above composition the razor is kept at all times in a similar condition to that produced by what is termed "honing" by means of the abrasive in the soap entering  
50 also into the lather used on the face, and in the process of shaving the fine abrasive contained in the lather is brought in contact with the delicate teeth of the razor, thus operating to produce the same effect on a razor as  
55 when it is sharpened on a hone.

I am aware that many shaving soaps, pastes, creams, emulsions, and compositions of a kindred nature have been used to aid in the removal of hair from the face by the use of a razor; but I am not aware that all of the ingredients of my composition have been used  
60 together.

What I claim, and desire to secure by Letters Patent of the United States, is—

The herein-described composition of matter consisting of a neutral soap mechanically combined with highly-pulverized carborundum substantially as and for the purposes specified.

HERMAN JOHN LEASE.

Witnesses:

WM. H. SCHMIDT,  
JOHN WELD PECK.