UNITED STATES PATENT OFFICE.

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ABRASIVE COMPOSITION.

No. 894,371. Specification of Letters Patent. Patented July 28, 1908.

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To all whom it may concern:

Be it known that we, ALBERT F. DREESSEN and WILLIS P. HUTSON, citizens of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Abrasive Compositions, of which the following is a specification.

The present invention relates to a new and improved abrasive composition, and though susceptible of a variety of adaptations, has for its primary object the provision of a composition of the character stated for use in connection with strops or the like designed for sharpening articles of cutlery, particularly razors.

More particularly therefore, the invention may be said to reside in an improved hone or honing strop.

The invention also includes the novel method of preparing the ingredients of the composition, as also the method of preparing a strop with the composition referred to applied thereto.

Our improved composition consists of the following ingredients: ½ lb. spermaceti; 1 oz. flour emery; ½ oz. emery (120 fine); ¼ teaspoonful of table salt; ¼ teaspoonful graphite (enough to color) and common soap (about the size of a pea).

While we have stated the respective proportions of the materials constituting our composition, as above, we desire it to be expressly understood that we do not intend to be limited to the exact proportions stated, as obviously it is within the spirit of the invention to include the several ingredients in composition, regardless of proportion, those stated however, being found by us to make a very desirable and efficient resultant product for the purpose.

In preparing the composition we melt the spermaceti and soap together, then add the salt and thoroughly mix the same until the salt is dissolved, next adding emery (125 fine), mixing thoroughly, then the flour emery, mixing the same and finally the graphite. The mixture is then allowed to cool until reaching a firm, hard consistency.

In the preferred application of the invention, that is, forming a honing strop or the like, with the mixture applied thereto, we take a piece of suitable material to constitute a carrier or base, the said material being preferably of the size of the ordinary razor strop, and having absorbing properties. While practically any cloth may be used to advantage, with the exception perhaps of woolen cloth, yet we have found a very desirable base or carrier in a mixed cotton and linen web, which is therefore the base or carrier preferred by us. To this base or carrier is applied the mixture above specified, which is previously re-heated to boiling temperature and in this condition applied. After having been thoroughly impregnated, the strop is allowed to cool until hardened, when the same is made smooth through the medium of a heated iron or the like, after which it is again allowed to cool and subjected while in this cooled condition to a polishing process, resulting in giving thereto a hard glassy surface.

By the application stated, it should be borne in mind that the mixture thoroughly penetrates the web, and makes a solid body, and will therefore, not wear off to any considerable extent while in use. At the same time a finer and smoother cutting edge is secured on the razor or other cutting implement than is possible with the ordinary form of strop.

What we claim is:

1. An abrasive compound comprising the following ingredients: spermaceti, emery, salt, graphite and soap.

2. A composition for hones, strops, and the like comprising the following materials in about the proportions stated, ½ lb. spermaceti, 1 oz. flour emery, ½ oz. emery, (substantially 120 fine), ¼ teaspoonful table salt, 1 teaspoonful graphite, and common soap, (about the size of a pea.)

3. The method of making an abrasive composition, consisting of the following steps: first melting spermaceti and soap together, second adding and dissolving salt in the melted mixture, third, adding emery and thoroughly mixing and finally adding graphite and allowing the mixture to cool and harden.

In testimony whereof we affix our signatures in presence of two witnesses.

ALBERT F. DREESSEN.
WILLIS P. HUTSON.

Witnesses.
CLAIRE ROETZER,
GEORGE E. PAGE.