

UNITED STATES PATENT OFFICE.

GABOR HEGYI, OF LOS ANGELES, CALIFORNIA.

CLEANING COMPOUND.

No. 881,859.

Specification of Letters Patent.

Patented March 10, 1908.

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To all whom it may concern:

Be it known that I, GABOR HEGYI, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Cleaning Compound, of which the following is a specification.

This invention relates to a compound particularly intended for use in sweeping over, or for being otherwise passed over a surface to be cleaned, the compound being of such nature that it will take up and remove from the surface to be cleaned any dust or dirt thereon.

One of the objects of my invention is to produce a compound that will be effective in its action as a cleaning compound when passed over a surface to be cleaned by a broom, brush or other means, and which will not be easily scattered or thrown about by such broom or brush.

Another object of my invention is to provide a cleaning compound which, while being a perfect dust absorber and an antiseptic or disinfectant, will at the same time leave no stain or disagreeable or offensive odor upon any surface, be it fabric or any other material upon which it is used as a cleaner.

I have discovered that a compound consisting of the proper proportions of sawdust, sand, asphaltum base oil, liquid asphaltum, neutral oil, carbolic acid, glycerin and oil of mirbane will absorb, or collect all of the removable dust upon any surface, and at the same time polish or brighten the surface cleaned and at the same time apply a disinfectant which has been deodorized; the disinfectant contained in the compound also removes any liability of danger from contamination where quantities of the sweepings are accumulated.

I have found that the above named ingredients give the best results when compounded in about the following proportions, but for different requirements the same may be varied:

	Sawdust.....	30 lbs.
	Sawdust.....	30 lbs.
50	Sand.....	40 lbs.
	Black asphaltum base oil.....	18 to 22 lbs.
	Liquid asphaltum.....	4 1/2 lbs.
	Neutral oil.....	5 lbs.
	Carbolic acid.....	1/8 to 1/4 lb.
55	Glycerin.....	1/8 to 1/4 lb.
	Oil of mirbane.....	1/16 to 1/8 lb.

The sawdust used may be of any kind of wood of an absorbing nature and thoroughly dried, after which it is first screened through an eight mesh screen, after which the resultant material is subjected to a blast of air to drive off the finer particles and leave the material of a uniform size.

The sand is thoroughly washed and dried and screened through about a twelve mesh screen to obtain uniformity of size. I then take a heavy oil, preferably an oil of an asphaltum base of about 18 to 22 gravity Baumé, and place it in a receptacle and add liquid asphaltum thereto to give it the proper or desired body, after which a suitable quantity of a neutral oil of about 25 to 30 gravity Baumé is added thereto; glycerin is then mixed with the asphaltum and oils in order to prevent the rapid evaporation of the oils. I then add the carbolic acid and oil of mirbane. The screened and dried sawdust is then placed in a suitable receptacle or vat and the before described mixture of oils, etc., is poured over the sawdust and mixed there- with sufficient to thoroughly saturate the same, after which the sized and dried sand is mixed therewith to give the mixture the necessary specific gravity. The sand absorbs a portion of oil from the sawdust and through this absorption becomes in a measure adhesive with the sawdust.

The purpose of the sand as before stated is to give to the compound a specific gravity sufficient to hold the compound in contact with the floor or carpet when in use in sweeping, as without the sand and with the use of a sawdust alone the compound would be thrown and scattered by the broom or brush on account of its lightness, but with my compound there is no throwing or scattering of the compound in sweeping, but on the other hand it adheres to the surface and is moved onward through the path of the brush or broom no further than the travel of that instrument. It is apparent that this quality of adhesion of the material to the surface being cleaned causes the surface to be subjected to a more thorough cleansing than could be accomplished by a material of a lighter specific gravity, as a lighter compound would be more widely scattered by a broom or brush and would not be as compact upon the surface to be cleaned, it being apparent that a quantity of material of the character above described if used in a body will be far more effective to remove dust

from a surface than if a thinner body of such material is passed over the same surface.

The asphaltum oil, liquid asphaltum and neutral oil are the main cleaning constituents, giving the property of taking up or collecting and retaining the dust and dirt from the surface to be cleaned. The carbolic acid is added for its disinfectant quality and the oil of mirbane is added to mask the smell of the carbolic acid. The glycerin is added to prevent the mass from drying out from exposure so that it retains its quality of collecting and retaining the dust and dirt.

In using the composition it is sprinkled or spread over or on the surface to be cleaned and is swept or brushed, or otherwise moved over the surface, and in its passage over the surface it takes up and carries away any dust or dirt which may be on the surface.

It is to be understood that a composition having practically the same dust absorbing and collecting qualities as the above described compound may be prepared by dissolving a quantity of asphaltum in a suitable quantity of neutral oils.

Now having described my invention, what I claim is:—

1. A composition for cleaning purposes comprising black asphaltum base oil, liquid asphaltum, neutral oil, carbolic acid, glycerin, oil of mirbane, sawdust and sand.

2. A compound for cleaning purposes comprising a heavy oil having an asphaltum base, neutral oil, disinfecting liquid, glycerin, oil of mirbane, sawdust and sand.

3. A cleaning compound comprising an oil of heavy gravity, asphaltum, neutral oil, carbolic acid, glycerin, oil of mirbane, sawdust and sand.

4. A cleaning compound consisting of neutral oil having asphaltum dissolved therein, carbolic acid, glycerin, oil of mirbane, sawdust and sand.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 27th day of June 1907.

GABOR HEGYI.

In presence of

F. M. TOWNSEND,

FRANK L. A. GRAHAM.