

# UNITED STATES PATENT OFFICE.

LOUIS VON GRAEVE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
CHARLES BUCHERER AND HEINRICH SCHRODER, OF PHILADELPHIA,  
PENNSYLVANIA.

## COMPOSITION OF MATTER FOR THE ERADICATION OF STAINS.

No. 841,086.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed April 23, 1906. Serial No. 313,178.

*To all whom it may concern:*

Be it known that I, LOUIS VON GRAEVE, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Composition of Matter to be Used for the Eradication of Stains and Thorough Cleansing of Marble and Granite and Similar Minerals, of which the following is a specification.

My composition consists of the following ingredients, combined, substantially, in the proportion stated, viz: oxalic acid, two ounces, by weight; French chalk, two pounds, by weight; hydrochloric acid, two pounds, by weight; sulfuric acid, one pound, by weight; pure water, five pints, fluid measure. These ingredients are mixed in the following manner: The oxalic acid is first dissolved in the water, to which is then added the French chalk, and, after mixing thoroughly, the acids.

In using the above composition it should be thoroughly agitated and applied by an asbestos brush to the stone requiring treatment.

The properties of oxalic acid in removing stains and discolorations are well known; but in order to obtain chemically clean and practically renewed surfaces it is not in itself entirely efficacious. The other acids in com-

bination do, however, effect a thorough renewal, assisted by the scarifying action of the brush, so that when the composition is removed by rinsing copiously with fresh water the appearance of the stones treated is as when new.

The object of the French chalk is to hold the acids briefly in suspension, so that unnecessary waste may not occur.

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

1. The herein-described compositions of matter, consisting of oxalic, hydrochloric and sulfuric acids, French chalk and water, substantially as described and for the purpose specified.

2. The herein-described composition of matter for the cleansing of marble, granite and the like, consisting of oxalic acid, two ounces, French chalk two pounds, water five pints, hydrochloric acid two pounds, and sulfuric acid one pound, substantially as described.

In testimony whereof I have signed my name to this application in the presence of two subscribing witnesses.

LOUIS VON GRAEVE.

Witnesses:

C. A. KELLY,  
I. H. KARPER.