

UNITED STATES PATENT OFFICE.

JOHN H. DOLDE, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF HIS
RIGHT TO SAML. L. CARTER, OF SAME PLACE.

IMPROVEMENT IN BLASTING-POWDER.

Specification forming part of Letters Patent No. **177,819**, dated May 23, 1876; application filed
April 18, 1876.

To all whom it may concern:

Be it known that I, JOHN H. DOLDE, of St. Louis, in the county of St. Louis, and in the State of Missouri, have invented certain new and useful Improvements in Blasting-Powder; and do hereby declare that the following is a full, clear, and exact description thereof.

The nature of my invention consists in a compound for blasting-powder, as will be hereinafter more fully set forth.

This compound is composed of the following ingredients, in about the following proportions, viz: Five pounds silica; five pounds nitrate of potash; twelve pounds chlorate of potash; thirty pounds nitrate of soda; thirty quarts water; forty pounds sawdust; ten pounds pulverized sugar; one ounce tannin.

These ingredients are first well pulverized, after which the nitrate of potash is dissolved in the water while boiling. The chlorate of potash is then added and dissolved. All the other ingredients are then put in, and allowed to cook or evaporate for several hours over a slow fire to about the consistency of paste.

The mass is then taken out and dried in the open air, sun, or in a kiln, and, when so dried, the powder is grained by any of the well-known methods.

I do not confine myself to the exact proportions of the ingredients herein described, as they may, perhaps, be varied according to the quality of powder desired, or according to the kind of work intended to be done.

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

The within-described compound for blasting-powder, consisting of silica, nitrate of potash, chlorate of potash, nitrate of soda, water, sawdust, sugar, and tannin, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of April, 1876.

JOHN HENRY DOLDE.

Witnesses:

M. L. STOWELL,

C. M. ALEXANDER.