

(12) **United States Patent**
Guthrie

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(54) **PERCUSSION, POWDER, FOR
DISCHARGING ARMS**

(76) **Inventor: Samuel Guthrie**

Samuel Guthrie, Blacksmith, New York.

Letters Patent

no drawing

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Samuel Guthrie himself of his improvement in the manufacturing of percussion powder to be used in the discharge of fire arms.

Be all to whom these presents shall come Do it know that Samuel Guthrie of Blacksmith in the county of Westchester and State of New York has invented an improvement in the manufacturing of percussion powder for the discharging of fire arms and do hereby declare that the following is a full and exact description thereof. I prepare the percussion powder from any of the materials employed for that purpose using fulminating Mercury, detonating sugar and oxide of iron or regular of antimony chloride of potash with Charcoal Sulphur-Sulphuret of antimony or any mixture of substances capable of inflaming gun powder by percussion forming the same into a paste and granulating by processes which are well known sometimes making the grains of a small size like those of ordinary Gun powder at other times I make them of such size that a single grain suffices for a priming and is substituted for the Copper Caps used in some of our pieces muskets &c or still larger so that they may be used for the discharge of ordnance of all descriptions. These grains are so compounded that they are hard enough to be packed up and carried about without being liable to be crushed by their abrasion against each other or by any force to which they are ordinarily subjected. These grains are rendered water-proof by coating them with shell-lac dissolved in alcohol or any other resinous varnish. Such powder I have for some time been in the habit of manufacturing and vending but I have recently made one improvement therein which is as follows.

Before the varnish which the grains are coated is perfectly dry I cover or coat them with some metallic substance, and this I do by taking leaf Sulphur or any of the metallic powders known under the name of brown and black Sulphur of iron, or any other metal or metallic compound used in these.

with the grains which yet tacky with the varnish. The powder thus prepared is not only
 improved in appearance but has greater smoothness and durability than before. After
 thus coating the grains & sometimes apply another covering of copal or other resin
 proof against being governed in this particular by the nature of the powder or the sur-
 face to which it is to be applied. What I claim as my invention and wish to have de-
 cided to me by Letters Patent is the giving to the powdered powder a metallic cov-
 ering in the manner and for the purpose herein set forth

Samuel Guthrie

Wm. Mitchell
 J. J. Chamberlain
 A. Chamberlain

not necessary

Esq.