(12) **United States Patent**
Guthrie

(10) **Patent No.: X8376**
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(54) **PERCUSSION, POWDER, FOR DISCHARGING ARMS**

(76) Inventor: **Samuel Guthrie**

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Samuel Guthrie Sackets Harbor & 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

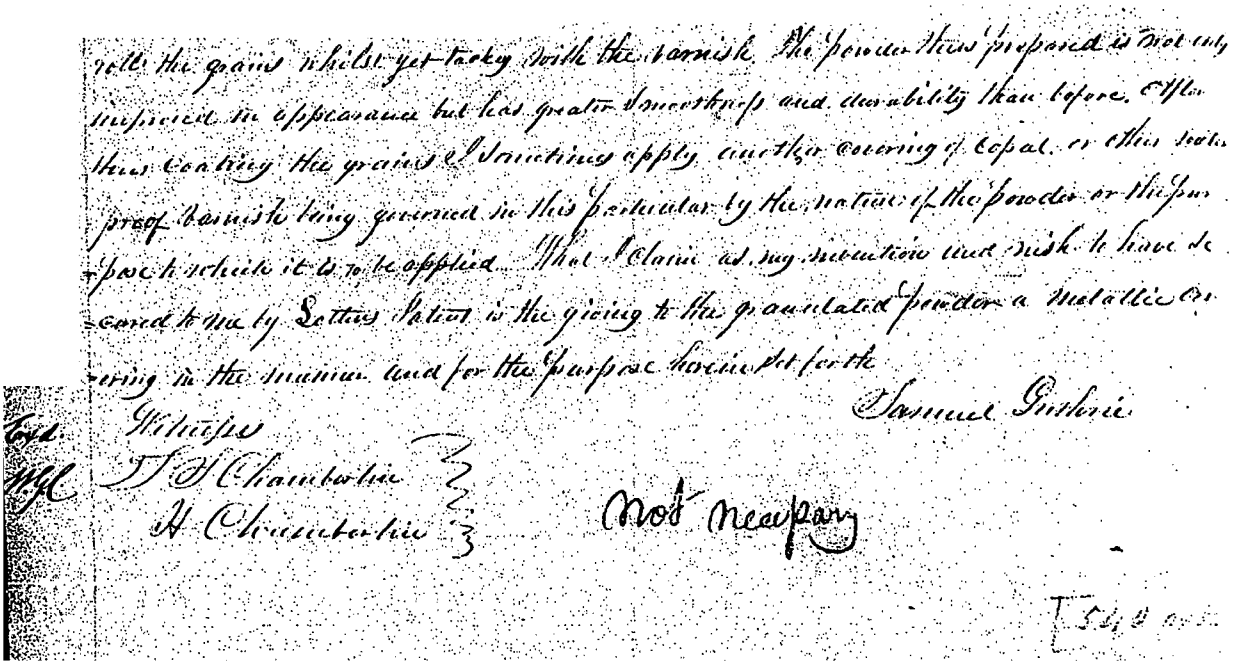
To all to whom these Presents shall Come Be it known that I Samuel Guthrie of Sackets Harbour in the County of Jefferson and State of New York have invented an improvement in the manufacturing of Percussion Powder for the discharging of fire arms and do hereby declare that the following is a full and exact description thereof.

I prepare the Percussion Powder from any of the materials employed for that purpose using fulminating Mercury, detonating Silver and oxide of Tin or regulus of Antimony Chlorate 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 I do so when I intend for the Copper Caps used in forcing pieces muskets &c or else 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 Shellac 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 the 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 Metal or any of the metallic powders known under the name of bronze such as sulphuret of tin, or any other Metal or Metalline Compound and in these I

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roll the grains whilst yet tacky with the varnish. The powder thus prepared is not only improved in appearance but has greater smoothness and durability than before. Effecting this coating the grains of sometimes apply another covering of copal or other water proof varnish being governed in this particular by the nature of the powder or the purpose which it is to be applied. What I claim as my invention and wish to have secured to me by Letters Patent is the giving to the granulated powder a metallic covering in the manner and for the purpose herein set forth.

Samuel Guthrie

Witnesses
T J Chamberlin
A Chamberlin

Not Received