

# UNITED STATES PATENT OFFICE.

PETER C. STIRE, OF SEYMOUR, IOWA.

## SEMISMOKELESS POWDER.

SPECIFICATION forming part of Letters Patent No. 691,919, dated January 28, 1902.

Application filed November 26, 1900. Renewed November 25, 1901. Serial No. 83,629. (No specimens.)

*To all whom it may concern:*

Be it known that I, PETER C. STIRE, a citizen of the United States, residing at Seymour, in the county of Wayne and State of Iowa, have invented a new and useful invention in Semismokeless Powder, of which the following is a specification.

My object is to provide a powder by combining mineral and vegetable products in such a manner as to increase the maximum explosive force of any given quantity and to diminish the minimum of smoke when it is burned, so that the powder may be properly termed "semismokeless" and be well adapted for use in firearms, blasting in mines, and for all the purposes for which combustible explosive powder is commonly used.

My invention consists in mixing the following ingredients in about the following proportions—viz., prussiate potassium, twelve (12) ounces; chlorate potassium, sixteen (16) ounces; dry meal made of grain, two (2) ounces; kiln-dried wood sawdust, one (1) ounce.

Cornmeal is preferably used, and the wood sawdust may be dispensed with or comminuted charcoal substituted therefor.

The ingredients are all reduced, so that they can be readily mingled by agitation, or in any suitable way, so the different substances will be uniformly distributed in any given quantity that may be prepared for commercial purposes and practical use. The degree of fineness to which they are reduced before mixing them may vary to suit the different purposes for which the powder is to be used.

What I claim, and desire to secure by Letters Patent of the United States, is—

An explosive powder composed of prussiate potassium, chlorate potassium, cornmeal and wood sawdust, in the manner set forth for the purposes stated.

PETER C. STIRE.

Witnesses:

A. W. MAXWELL,  
F. E. LLEWELLYN.