

United States Patent Office.

JOSEPH GOLDMARK, OF BROOKLYN, NEW YORK.

Letters Patent No. 69,206, dated September 24, 1867.

IMPROVED FULMINATING COMPOUND.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOSEPH GOLDMARK, of the city of Brooklyn, in the county of Kings, and State of New York, have invented a new Fulminating Compound; and I do hereby declare that the following is a full and exact description of the same.

The various so-called fulminating compounds, igniting by friction or percussion, heretofore manufactured, are liable to serious objections, either on account of their corrosive action upon metals with which they are brought in contact, the great danger from accidental explosion in their manufacture, or their deleterious effects upon the health of those employed in their preparation. The object of this invention is to obtain a fulminating compound which is free from these objections, and which can also be produced at a less price, and to these ends the invention consists in a compound in which the sulphocyanite of a metal or other base is used in combination with chlorate of potash, either with or without the addition of other substances.

The sulphocyanite which I have found in practice, all things considered, best adapted for the manufacture of such compounds is the sulphocyanite of lead, but among others which I will mention as more or less suitable are the sulphocyanites of copper, zinc, and quicksilver, but these are all more expensive than that of lead.

I mix the sulphocyanite and the chlorate of potash, in the state of powder. The proportion which I consider best, in using the sulphocyanite of lead, are two (2) parts, by weight, of this sulphocyanite, and five (5) parts of chlorate of potash, and to this I generally add one (1) part of saltpetre or of prussiate of potash, or a lesser proportion of each of the latter ingredients, the effect of which is to increase the flame and diminish the explosive force. The above-specified proportions of all the ingredients may, however, be varied to some extent without materially changing the character of the compound.

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

A fulminating compound, in which the sulphocyanite of a metal or other base is employed, in combination with chlorate of potash, either with or without other substances, substantially as herein specified.

J. GOLDMARK.

Witnesses:

J. W. COOMBS,

A. LE CLERC.