

UNITED STATES PATENT OFFICE.

JONAS EMIL BLOMÉN, OF LANDING, NEW JERSEY, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE UNIQUE POWDER COMPANY, OF NEW YORK, N. Y.

MANUFACTURE OF BLASTING COMPOUNDS.

SPECIFICATION forming part of Letters Patent No. 506,031, dated October 3, 1893.

Application filed August 27, 1892. Serial No. 444,285. (No specimens.)

To all whom it may concern:

Be it known that I, JONAS EMIL BLOMÉN, of Landing, in the county of Morris and State of New Jersey, have invented a new and useful
5 Improvement in the Manufacture of Blasting Compounds, of which the following is a specification.

My invention relates to an improvement in the manufacture of blasting compounds with
10 a view of providing a compound of high explosive power and one that can be handled and transported without danger of unintentional explosion.

My invention consists in forming a blasting compound by first treating a hydrocarbon
15 with nitric acid, then treating this product with a mixture of nitric and sulphuric acids, then treating that result with nitric acid and finally mixing therewith an oxidizing agent.
20 This is accomplished as follows: First, a certain amount of crude naphthalene is treated with a weaker nitric acid of about 1.3 specific gravity and in the proportion of two parts by weight of the weaker nitric acid to one part
25 of the naphthalene; second, the product resulting from the above treatment of the naphthalene with the weaker nitric acid is then treated with its own weight of mixed acids con-

sisting of about twenty-eight per cent. of nitric acid and sixty-two per cent. of sulphuric acid; 30
third, the product resulting from the foregoing treatment is then treated with one-half its own weight of strongest nitric acid, specific gravity about 1.51. The product thus obtained, after washing and drying, may be 35
mixed with an oxidizing agent, such for example as nitrate of ammonia or nitrate of soda or both. If the nitrate of ammonia is employed, the proportion in which it is incorporated into the nitrate of naphthalene should 40
be about eighty-seven and one-half parts by weight of nitrate of ammonia to twelve and one-half parts of the nitrated naphthalene.

What I claim is—

In forming a blasting compound, first treating a hydrocarbon with nitric acid, then treating 45
this product with a mixture of nitric and sulphuric acids, then treating that product with nitric acid and finally incorporating therewith an oxidizing agent, substantially as 50
set forth.

JONAS EMIL BLOMÉN.

Witnesses:

FREDK. HAYNES,
I. B. DECKER.