

UNITED STATES PATENT OFFICE.

JOSEPH BRUCE MILLER, OF RICHMOND, INDIANA.

FIRE-EXTINGUISHING COMPOUND.

SPECIFICATION forming part of Letters Patent No. 697,641, dated April 15, 1902.

Application filed September 3, 1901. Serial No. 74,206. (No specimens.)

To all whom it may concern:

Be it known that I, JOSEPH BRUCE MILLER, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented a new and useful Composition of Matter to be Used for Extinguishing Fire, of which the following is a specification.

My composition consists of the following ingredients, combined in the proportions stated, viz: bicarbonate of soda, twenty-five pounds; soda-ash, (sodium carbonate,) five pounds; sulfur, three pounds; manganese, ten ounces; lime, three pounds; oxalic acid, eight ounces; salt, one pound; meal-powder, eight ounces; saltpeter, four ounces; sea-sand, (fine,) four pounds.

The bicarbonate of soda, soda-ash, sulfur, manganese, lime, salt, meal-powder, and saltpeter are each to be finely pulverized separately, after which they are all to be combined and the oxalic acid and sea-sand added, after which all the ingredients are to be thoroughly mingled by agitation.

This composition is to be put up in packages of a convenient size. In case of a fire which it is desired to extinguish I throw the contents of one of said packages into the fire to be extinguished. The action of the fire on my composition at once produces gases,

which expel the oxygen from the surrounding air, and consequently the fire at once ceases to burn.

Having now described my composition and the best mode of preparation and use of same to me known at this time, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The herein-described composition of matter, consisting of bicarbonate of soda, soda-ash, sulfur, manganese, lime, oxalic acid, salt, meal-powder, saltpeter and sea-sand, substantially as described and for the purpose specified.

2. The herein-described composition of matter for extinguishing fire, consisting of bicarbonate of soda twenty-five pounds, soda-ash five pounds, sulfur three pounds, manganese ten ounces, lime three pounds, oxalic acid eight ounces, salt one pound, meal-powder eight ounces, saltpeter four ounces and sea-sand four pounds, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH BRUCE MILLER.

Witnesses:

R. W. RANDLE,
R. E. RANDLE.