UNITED STATES PATENT OFFICE.

DAVID M. BRUBAKER, OF SHENANDOAH, IOWA.

COMPOSITION OF MATTER FOR A SOOT-DESTROYER.

SPECIFICATION forming part of Letters Patent No. 617,700, dated January 10, 1899.

Application filed May 19, 1898. Serial No. 681,133. (No specimens.)

To all whom it may concern:

Be it known that I, DAVID M. BRUBAKER, a citizen of the United States, residing at Shenandoah, in the county of Page in the State of Iowa, have invented a certain new and useful Composition of Matter for a Soot-Destroyer, of which the following is a specification.

The composition is made by taking equal parts in bulk of oxid zinc, pulverized saltpeter, and pulverized sulfur. Mix the same evenly and thoroughly.

The mode of applying and using my invention is as follows: For the purpose of cleaning an ordinary-sized heating-stove, stove-pipe, and flue make a good fire in the stove or grate, and when the fuel has burned to a coal and is no longer a "green fire" (smoky) then take three-fifths of a pound of the composition, spread the amount taken around in and over the fire, close the stove-doors or blower on the grate, and open the draft, regulating such draft as you find necessary. In forty to sixty minutes the soot will all be burned out and the stove, with the pipe and flue, will be substantially clean of all soot.

The quantity of the composition for the purpose will be greater or less than the above amount for an ordinary heating-stove, according as the furnace, stove, fireplace, or other place is larger or smaller than an ordinary heating-stove.

The gases generated from this composition of these chemicals consumes the soot and removes it from boilers, kettles, stoves, stove-pipes, flues, and all articles brought in contact with the same where bituminous coal is used. It thus improves the draft of the flue, allowing more perfect combustion of fuel, thus saving fuel and preventing the gases and soot and smoke escaping from the stove or grate into the room or through the apartments. It is also sanitary in its operation and is also a preventive of the accumulation of soot in flues and tending to prevent conflagrations therefrom.

I claim—

The herein-described composition of matter, consisting of equal parts in bulk of oxid zinc, pulverized saltpeter, and pulverized sulfur, substantially as described and for the purpose specified.

DAVID M. BRUBAKER.

Witnesses:

A. PALMER,

A. W. MURPHY.