

UNITED STATES PATENT OFFICE.

MIKE PERRY AND ALEXANDER DICKSON, OF TACOMA, WASHINGTON.

KINDLING COMPOUND AND PROCESS OF MAKING SAME.

SPECIFICATION forming part of Letters Patent No. 764,072, dated July 5, 1904.

Application filed March 16, 1904. Serial No. 198,380. (No specimens.)

To all whom it may concern:

Be it known that we, MIKE PERRY and ALEXANDER DICKSON, citizens of the United States of America, and residents of Tacoma, in the county of Pierce and State of Washington, have invented certain new and useful Improvements in Kindling Compounds and Processes of Making Same, of which the following is a specification.

Our invention relates to a substance for kindling fires in stoves, &c., and to the process of making the same, and has for its object the production of a mixture which will readily take fire and will burn for a considerable time with a hot flame, so as to light a fire of wood or coal without any difficulty.

In the lighting of fires without the use of a specially-prepared substance it is necessary to burn considerable paper to light the finely-cut wood and to have a quantity of split sticks of wood with which to work up sufficient heat to ignite the coal. In our mixture we take a number of inflammable materials and form them into a solid mass. The materials which we use all burn freely of themselves, but at varying rates and intensities, and the mixture itself burns with a hot flame which lasts a long time and which is hot enough to ignite and sustain the combustion of the coal until it is hot enough to burn without outside aid.

In preparing our substance we take seven pounds of sawdust, one and one-half pounds of shavings cut up into small particles, and two pounds of paper torn or cut into small pieces and mix them together thoroughly; then we pour in one pound of crude oil and allow it to soak thoroughly into the mixture; then we take one pound of English resin, melt

it, and stir therein the mixed ingredients above mentioned. The mass thus formed is then pressed into forms and allowed to cool. When cold, it is cut in convenient lengths and is ready for use.

The mass lights very readily on being touched with a match and continues to burn so as to ignite any combustible material in its vicinity.

The mass may be molded into any form while still warm and plastic, the resin holding the various parts together in the shape desired; but we prefer to form it into simple shapes, such as rectangular bricks, cylindrical pieces, long pieces resembling sticks, or into coils.

What we claim, and desire to secure by Letters Patent, is—

1. The process of making kindling compound, consisting of mixing together sawdust, paper, shavings; pouring crude oil in said mixture and allowing it to soak and be absorbed therein; melting resin and mixing therein said sawdust, paper and shavings; allowing said mixture to cool and forming the mass into shapes.

2. A kindling compound consisting of a mixture of sawdust, paper, and shavings with crude oil absorbed therein, said mixture having been made in molten resin whereby all the parts thereof are held together, and may be formed into shapes.

Signed at Tacoma this 8th day of March, 1904.

MIKE PERRY.
ALEXANDER DICKSON.

Witnesses:

F. P. HASKELL, Jr.,
WILLIAM E. WINDSOR.