

UNITED STATES PATENT OFFICE.

LOUIS ROEHM AND PAUL WALTER, OF CHICAGO, ILLINOIS.

FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 774,109, dated November 1, 1904.

Application filed October 14, 1901. Serial No. 78,529. (No specimens.)

To all whom it may concern:

Be it known that we, LOUIS ROEHM and PAUL WALTER, citizens of the United States of America, and residents of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Fire-Kindlers, of which the following is a specification.

Our composition consists of the following ingredients, combined in substantially the proportions stated: Resin, eighty per cent., by weight; wood shavings, nineteen per cent., by weight; wood-alcohol, one per cent., by weight.

To prepare our compound, the resin is broken into small fragments and thoroughly mixed with the shavings. The wood-alcohol is then added, being immediately taken up by the resin and shavings. The whole is now heated to a temperature beyond the melting-point of resin and maintained at said temperature until the wood becomes thoroughly saturated with the other ingredients. A highly-inflammable compound results, which is molded into small briquets.

In making our compound we prefer to use small feathery shavings, such as are produced by the rotating cutters of woodworking ma-

chinery. We can thus readily form compact briquets of suitable size and shape and having the ends of the shavings projecting in different parts, so as to instantly take fire when brought in contact with a flame.

We find that it is advantageous in combining the ingredients to heat the entire mass, including the shavings, since the heated shavings will thus more readily absorb the resin.

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

The herein-described fire-kindler prepared in briquets for use, composed of eighty per cent. by weight pulverized resin; nineteen per cent. by weight feathery wood shavings; one per cent. by weight wood-alcohol, the shavings having the ends thereof projecting beyond the body of the briquets, for the purpose described.

Signed at Chicago this 11th day of October, 1901.

LOUIS ROEHM.
PAUL WALTER.

Witnesses:

EUGENE A. RUMMLER,
WM. R. RUMMLER.