

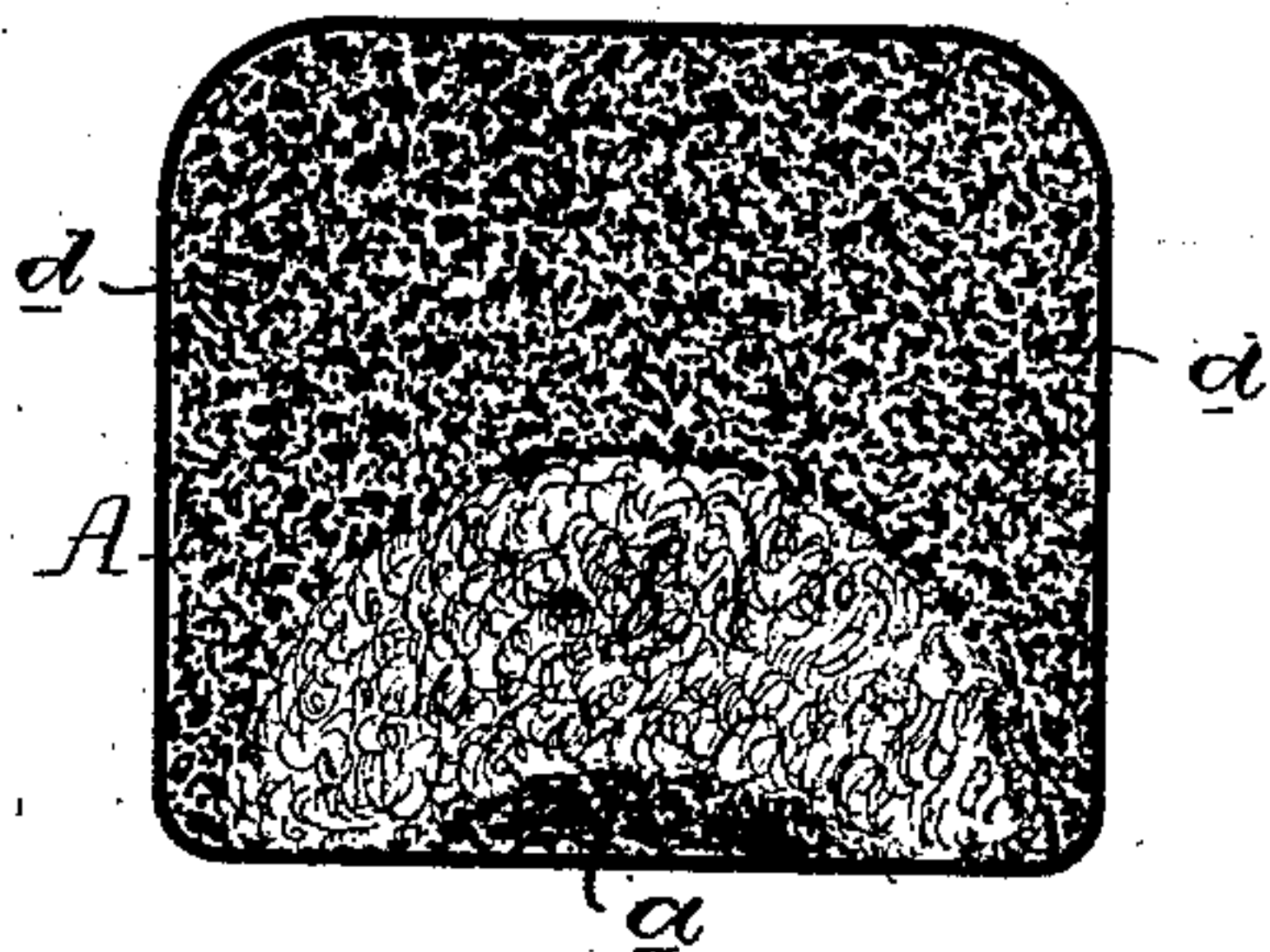
J. F. McCARTY.

FIRE-KINDLER.

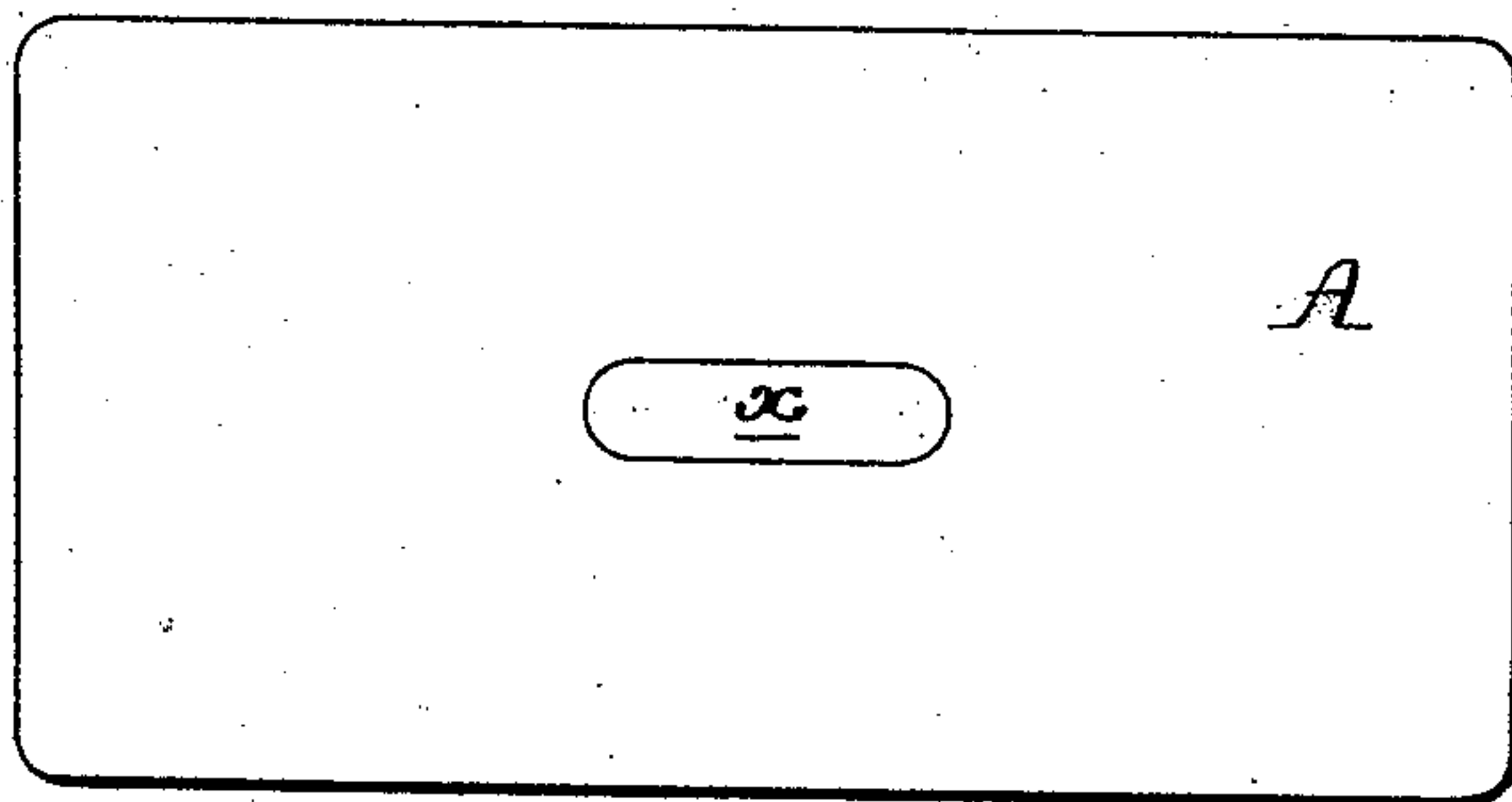
No. 176,661.

Patented April 25, 1876.

*Fig 1.*



*Fig 2.*



Witnesses  
Harry Howson Jr  
Harry Smith

James F. McCarty  
by his Attorneys  
Howson and Son

# UNITED STATES PATENT OFFICE

JAMES F. McCARTY, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. **176,661**, dated April 25, 1876; application filed February 25, 1876.

*To all whom it may concern :*

Be it known that I, JAMES F. McCARTY, of Philadelphia, Pennsylvania, have invented an Improved Fire-Kindler, of which the following is a specification:

The object of my invention is to make a cheap and convenient package for readily kindling fires; and this object I attain in the following manner, reference being had to the accompanying drawing, in which—

Figure 1 is a vertical section of my improved kindling-package, and Fig. 2 an inverted plan view.

The outer casing A of the package is an ordinary bag of coarse and cheap paper, the contents consisting of a small quantity of paper or other fibrous or absorbent material, *a*, saturated with pitch or other inflammable substance, this being placed in a central position at the bottom of the package, as shown. Over this inflammable material is placed a quantity, *b*, of shavings, chips, or other readily-ignitable particles of wood, which may be also more or less saturated with inflammable substances. The remainder *d* of the contents of the package is made up of the waste granulated coke which can be found at all gas-works, and which is considered of little or no value.

On the bottom of the package there is a mark, *x*, to indicate the point where the outer paper casing of the package should be torn,

after which it may be placed on the grate of a fire-place, and the usual coal placed on above.

By the application of a flame to the torn portion of the package the paper will first be lighted, and owing to the inflammable material with which it is saturated, the mass of shavings and chips will soon burn fiercely and ignite the granulated coke, and in a comparatively short time the fuel in the fire-place will be thoroughly kindled.

I wish it to be understood that I do not desire to claim, broadly, a kindling-package, composed of inflammable material inclosed in a paper bag; but

I claim as my invention, and as a new manufacture—

The within-described fire-kindling package, consisting of an outer bag or casing of paper, a mass of granulated coke, and a quantity of shavings or chips saturated with inflammable material and embedded in the said mass of granulated coke, all being combined as set forth.

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

JAMES F. McCARTY.

Witnesses:

HARRY HOWSON, Jr.,  
HARRY SMITH.