

(No Model.)

C. C. MACBRAIR.
KINDLING PACKAGE.

No. 390,610.

Patented Oct. 2, 1888.

Fig. I.

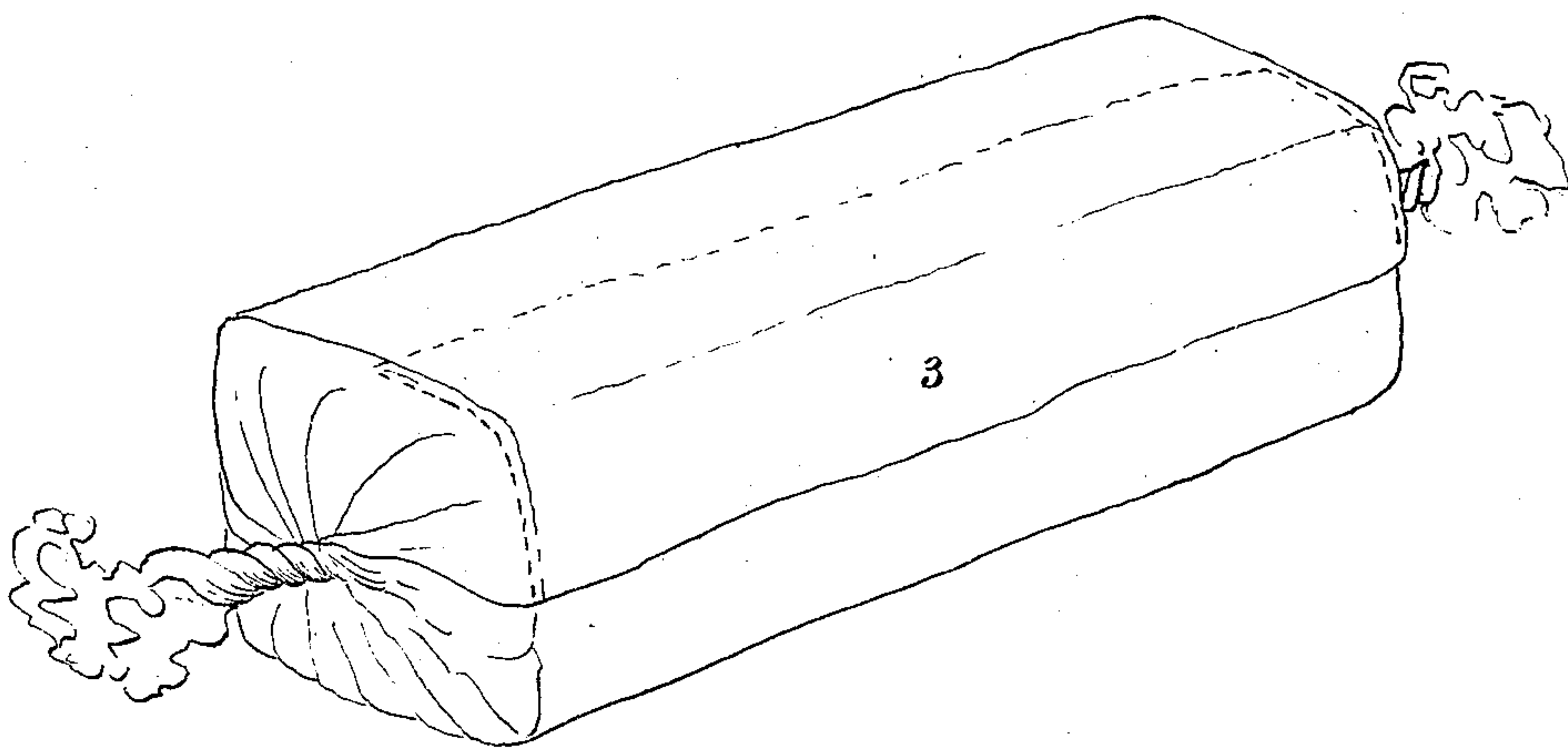


Fig. II.

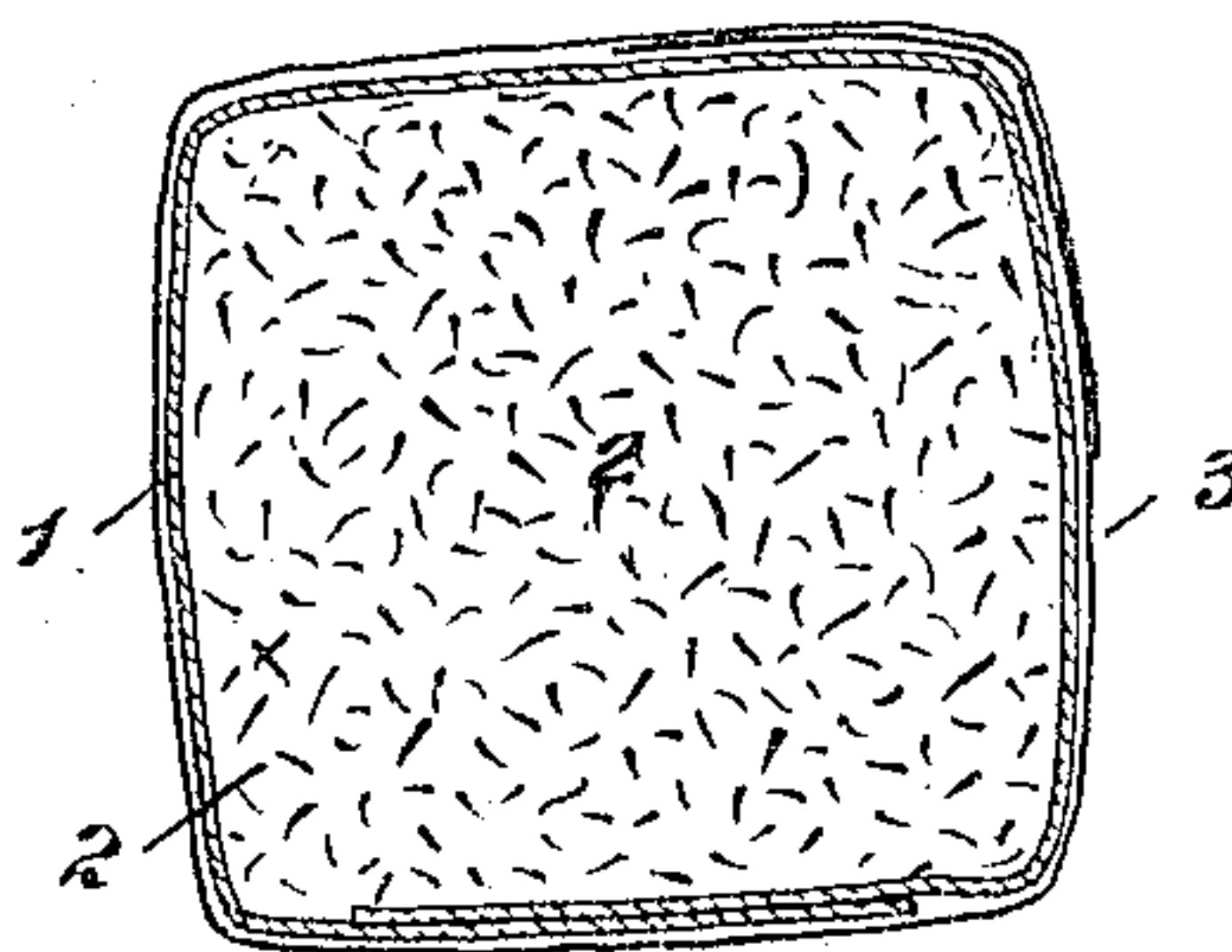
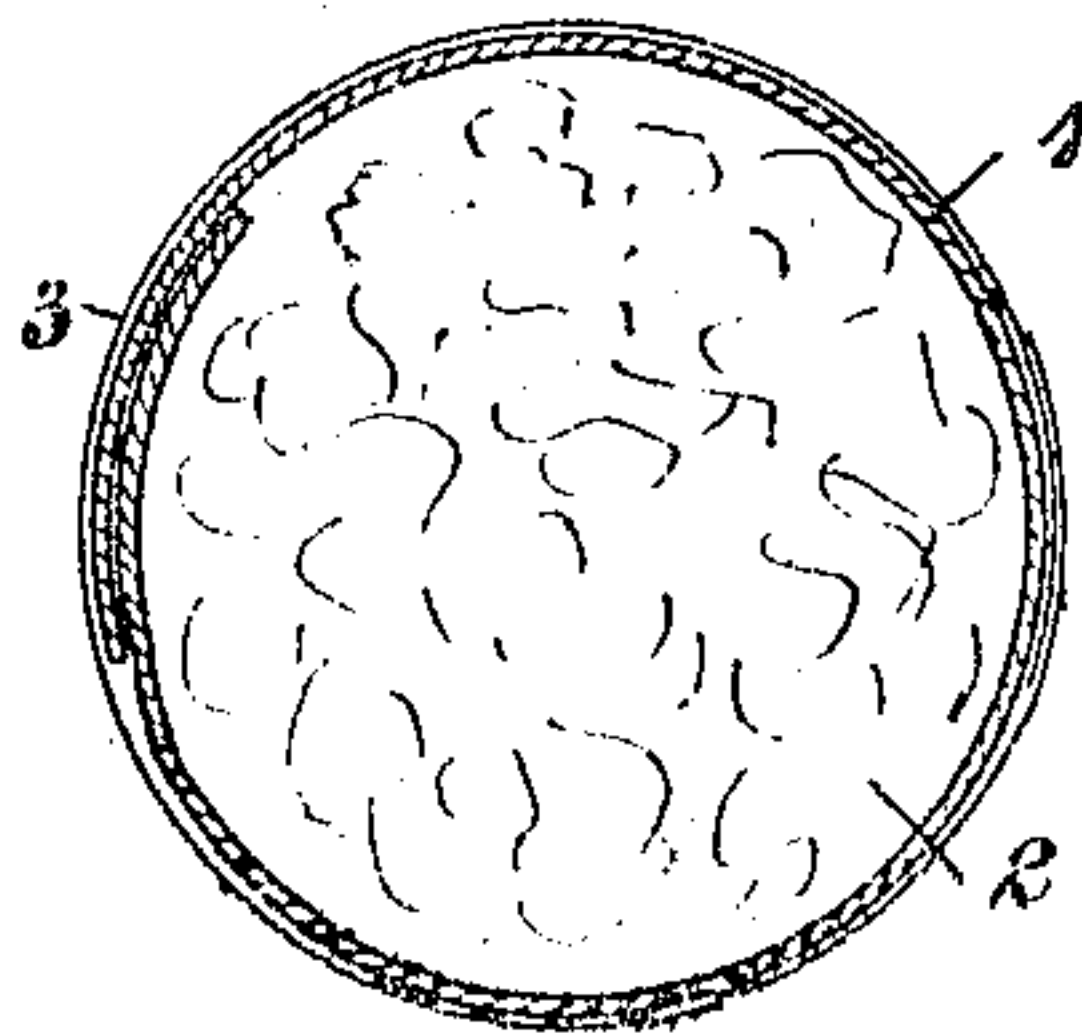


Fig. III.



Attest:
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attys

UNITED STATES PATENT OFFICE.

CHARLES C. MACBRAIR, OF CINCINNATI, OHIO, ASSIGNOR OF ONE-HALF TO
HINES STROWBRIDGE, OF SAME PLACE.

KINDLING-PACKAGE.

SPECIFICATION forming part of Letters Patent No. 390,610, dated October 2, 1888.

Application filed November 14, 1887. Serial No. 255,136. (No specimens.)

To all whom it may concern:

Be it known that I, CHARLES C. MACBRAIR, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Kindling-Package, of which the following is a specification.

My invention relates to a novel article of merchandise consisting of a package of certain cheap and easily-ignited materials, hereinafter specified.

In the accompanying drawings, Figure I is a perspective view, and Fig. II is a transverse section, of my kindling-package. Fig. III represents another form of inclosing-tube.

1 is a rectangular sheet of straw-paper or other cheap and coarse paper or card-board, which having been folded into a tubular form, substantially as represented, is stuffed with any finely-divided or comminuted vegetable fiber, 2—such, for example, as shavings, chips, saw-dust, chaff, spent hop-leaves, tan-bark, or “excelsior.” The whole is then saturated with crude petroleum, and finally inclosed in a wrapper, 3, of paper that has been steeped in or coated with paraffine.

The tube of coarse paper may be of any preferred cross-section. For example, it may be approximately square, as in Fig. II, or rounded, as in Fig. III; but in either event both ends are left open, the contents of the tube being retained in place by means of the thin wrapper 3, the ends of which, being twisted, readily ignite and convey the flame directly to the inflammable contents of the tube. When this wrapper burns off and the strong heat strikes the pasteboard tube, the latter will gradually open and relieve the contents of pressure and expose the same in a porous condition to the full action of the flame.

I am aware that it is not new to inclose inflammable material in pasteboard tubes alone, and I am also aware that it is old to inclose a like substance in a double paper wrapper having its ends twisted; but I wish it understood that these forms, separately or combined, do not form the equivalent of my invention, for it is readily seen that in the first named it is necessary to seal the edges of the paper forming the tube, and the material must be packed therein sufficiently to prevent it from wasting out at the ends, which necessarily renders the package too compact to burn freely, and in the latter of the forms above named there is no solid or firm casing to give the package shape and prevent the contents from becoming compact by the mere pressure of a number of such packages, or to prevent the jacket being pierced or broken and the contents wasted.

I claim as a new and useful article of merchandise—

The open-ended tube composed of a sheet of pasteboard having its edges overlapping, but not secured, as described, stuffed with inflammable vegetable fiber, and the latter saturated with petroleum, and a waxed-paper wrapper placed upon said tube for holding it together, having its ends twisted over the open ends of said tube, as set forth.

In testimony of which invention I hereunto set my hand.

CHARLES C. MACBRAIR.

Attest:

GEO. H. KNIGHT,
N. ROCKHOLD.