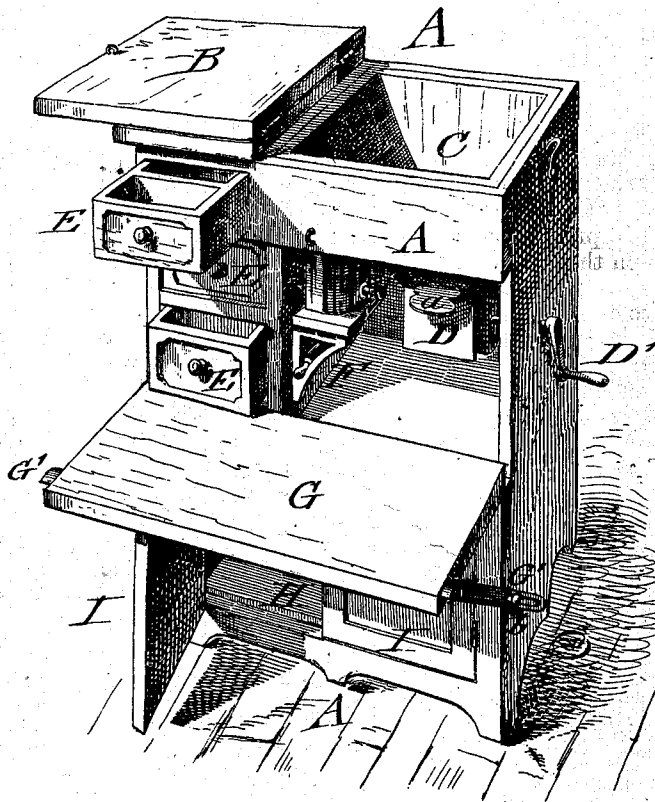


J. B. & J. M. HARRISON.
Kitchen-Safes.

No. 146,390.

Patented Jan. 13, 1874.



WITNESSES:
Isidore Dieterich
Chas. J. J. J.

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UNITED STATES PATENT OFFICE.

JOHN B. HARRISON AND JOSIAH M. HARRISON, OF ST. JOSEPH, MISSOURI.

IMPROVEMENT IN KITCHEN-SAFES.

Specification forming part of Letters Patent No. **146,390**, dated January 13, 1874; application filed November 15, 1873.

To all whom it may concern:

Be it known that we, JOHN B. HARRISON and JOSIAH M. HARRISON, of St. Joseph, in the county of Buchanan and State of Missouri, have invented a new and Improved Combination Kitchen-Safe, of which the following is a specification:

Our invention relates to an improvement in kitchen-safes of the class in which spice-drawers, dough-kneading boards, and flour-sifters are arranged conveniently for use.

In the drawing, which shows a perspective view of my improved safe, E E E designate spice-drawers, and H a space provided with shelves, and closed by a hinged door, I. F is a bracket or shelf for supporting a kneading-roller and other articles. G is a hinged dough-kneading board, which is supported by hinged bars G', having slots *b* in their free ends, through which pass screw-bolts that clamp them against the sides of the safe. These bars serve to adjust the board G at various angles to the front of the safe, thereby adapting it for convenient use. To the above-described parts we make no claim.

We provide the top of the safe A with a

hinged lid, B, which forms the cover of the conical hopper C. The latter is designed to be a permanent receptacle for flour or meal, and has a sieve or sifter, D, applied or attached to its apex in such a manner as to be readily detached for cleaning, &c. Within the sifter is a rotary stirrer, whose shaft is provided with a crank-handle, D', outside the safe. To control the descent of flour or meal into the sifter, we employ a slide, *a*, which forms the true bottom of the hopper.

We do not claim a safe provided with a sifter or a hinged kneading-board; but

We claim—

The safe A, provided with the permanent meal receptacle or hopper C, closed by the lid B, the sliding bottom *a*, and sifter D, having a rotary stirrer operated by the crank-arm D', arranged exteriorly of the case, as shown and described, for the purpose specified.

JOHN B. HARRISON.
JOSIAH M. HARRISON.

Witnesses:

ROBT. A. HOPE,
E. B. HARVEY.