

(No Model.)

J. H. HUNTER.

FRUIT DRIER.

No. 287,542.

Patented Oct. 30, 1883.

Fig. 1.

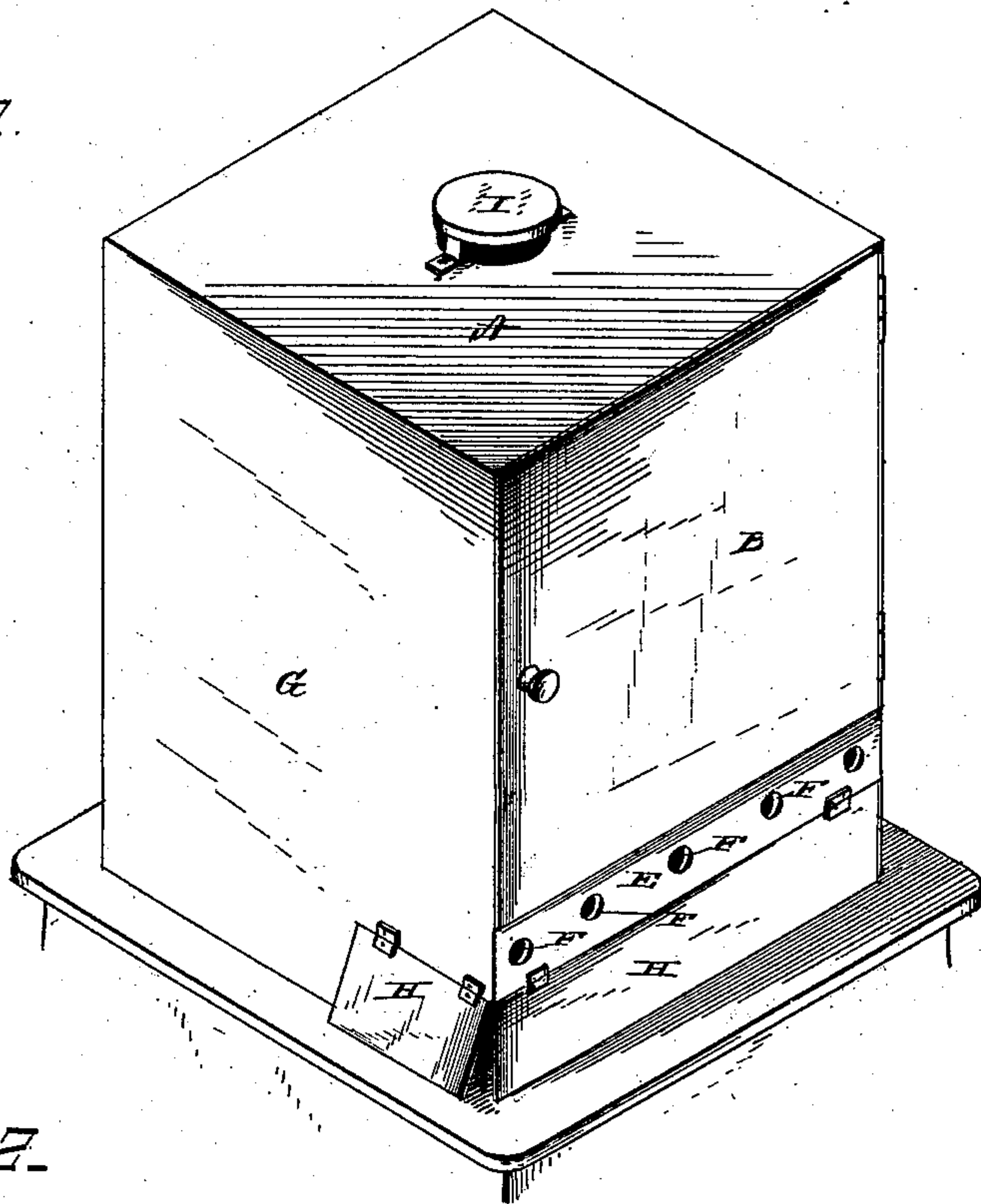


Fig. 2.

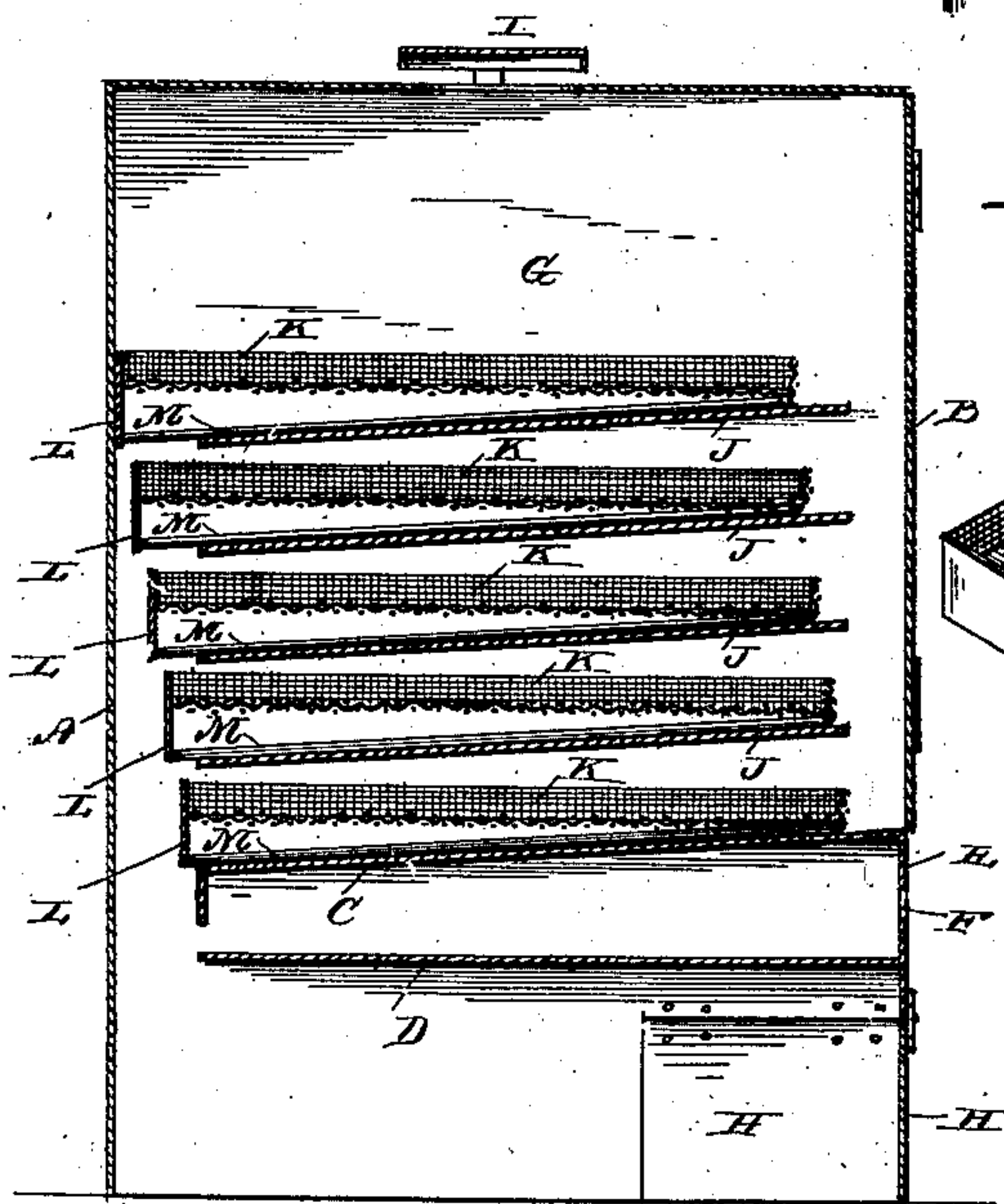
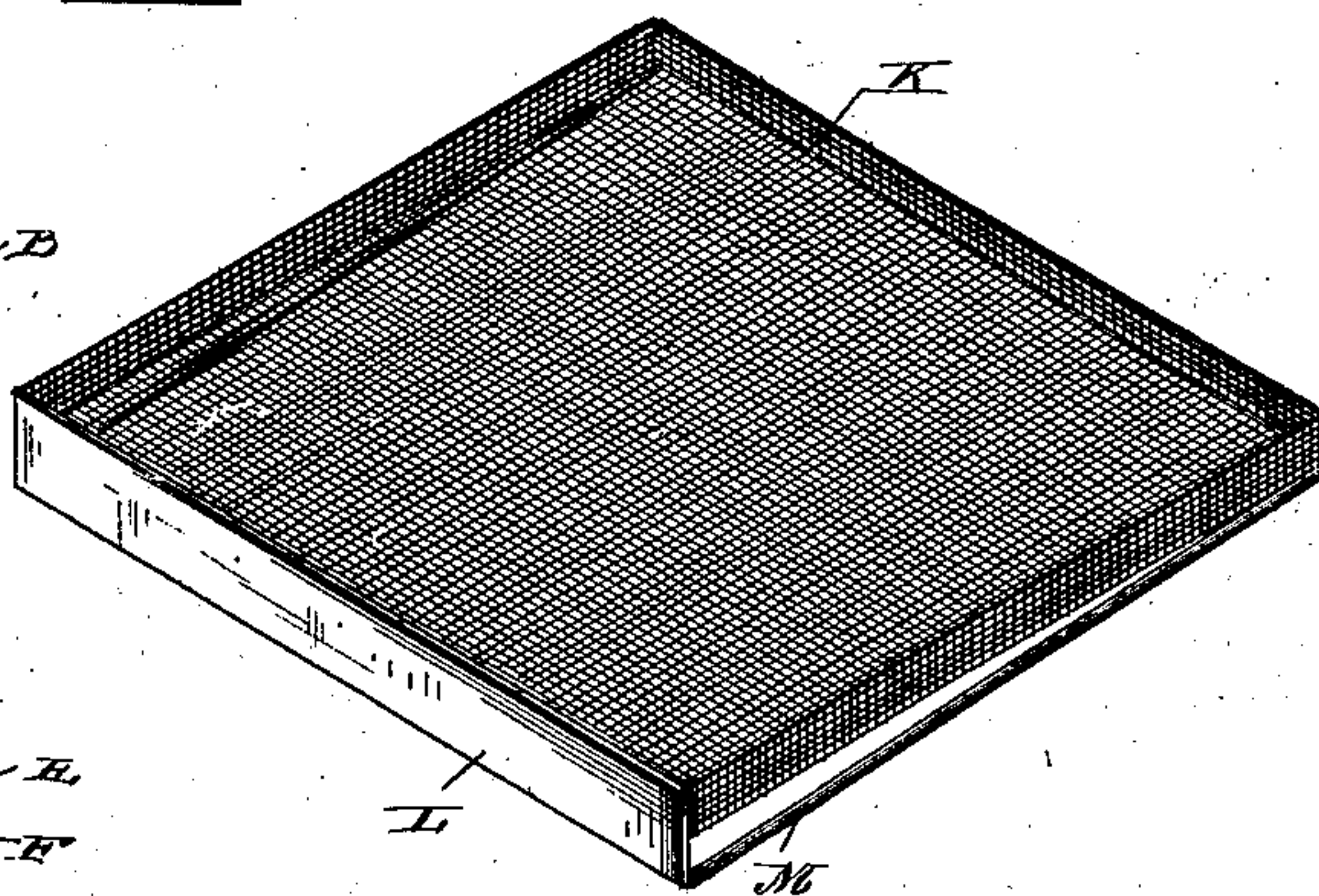


Fig. 3.



WITNESSES

J. R. Sittell,
F. B. Noyes.

James H. Hunter,
INVENTOR

by A. Snow & Co.

Attorneys.

UNITED STATES PATENT OFFICE.

JAMES HALE HUNTER, OF EAST CORINTH, VERMONT.

FRUIT-DRIER.

SPECIFICATION forming part of Letters Patent No. 287,542, dated October 30, 1883.

Application filed August 24, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. HUNTER, a citizen of the United States, residing at East Corinth, in the county of Orange and State of Vermont, have invented a new and useful Fruit-Evaporator, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to fruit-evaporators; and it has for its object to produce a device which shall possess superior advantages in point of simplicity, convenience, and general efficiency, and which may be conveniently used upon an ordinary kitchen-stove.

To this end my invention consists in certain improvements in the construction of the said device, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereunto annexed, Figure 1 is a perspective view, Fig. 2 is a vertical sectional view, and Fig. 3 is a perspective view, of one of the drying-trays removed from the evaporator.

The same letters refer to the same parts in all the figures.

A in the drawings designates a box or casing, suitably constructed of sheet metal, and provided with a door, B, in front, through which access may be had to the interior. The bottom of the casing A is double, and consists of two plates, C and D, arranged some distance above the lower edge of the casing, and extending from the front of the same toward the rear, terminating some distance in front of the rear wall. The front wall, E, is provided with openings F F, for the admission of air between the plates C D. The front wall, E, and side walls, G, of the casing are provided with hinged doors H H below the bottom, and the top of the casing has a ventilating-opening, I.

The box or casing A is provided with a series of shelves, J J, extending from near the front toward the rear wall, and terminating some distance in front of the latter. These shelves support the drying-trays K, which are made of perforated metal or wire-netting, and which are provided at their rear edges with downwardly-projecting flanges L, the lower edges of which are connected with the front of the trays by inclined braces M. The shelves J are arranged in a slanting position, slanting downwardly toward the rear wall, as shown.

In operation my improved drier may be placed on top of an ordinary kitchen-stove. The doors H H permit access to be had to the same for the purpose of supplying fuel or for heating flat-irons, and the like. Air will pass from the outside through the openings F F between the bottom plates, C D, where it is heated, and up at the back of the casing. By pushing the drying-trays back beyond the shelves, they will deflect the hot air as it ascends, causing it to pass under the said trays, up through the fruit deposited thereon, and out. The entire amount of heat may be directed to any one of the trays by pushing it back as far as it will go and moving the remaining trays forward; or the heat may be regulated and directed to each tray, as required, in the same manner.

My improved fruit-drier is simple in construction, inexpensive, and may be easily and conveniently manipulated. Owing to the construction and arrangement, as described, the moisture-laden air from one tray will not come in contact with the fruit upon the remaining trays, and there is therefore no danger of the fruit being cooked instead of dried, as is frequently the case in the smaller-sized driers intended especially for family use.

I claim as my invention and desire to secure by Letters Patent of the United States—

1. In a fruit-drier, the herein-described casing, having the front door, B, bottom plates, C D, terminating in front of the rear wall, openings F, slanting shelves J, terminating in front of the rear wall, ventilating-opening I, and hinged doors H H, all substantially as and for the purpose set forth.

2. In a fruit-drier, the combination, with the herein-described casing, having the slanting shelves J, terminating in front of the rear wall, of the herein-described drying-trays, having downwardly-extending flanges at their rear edges, and inclined braces connecting the lower edges of said flanges with the front of the trays, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JAMES HALE HUNTER.

Witnesses:

GEO. F. WHITFORD,
BYRON E. DEWEY.