

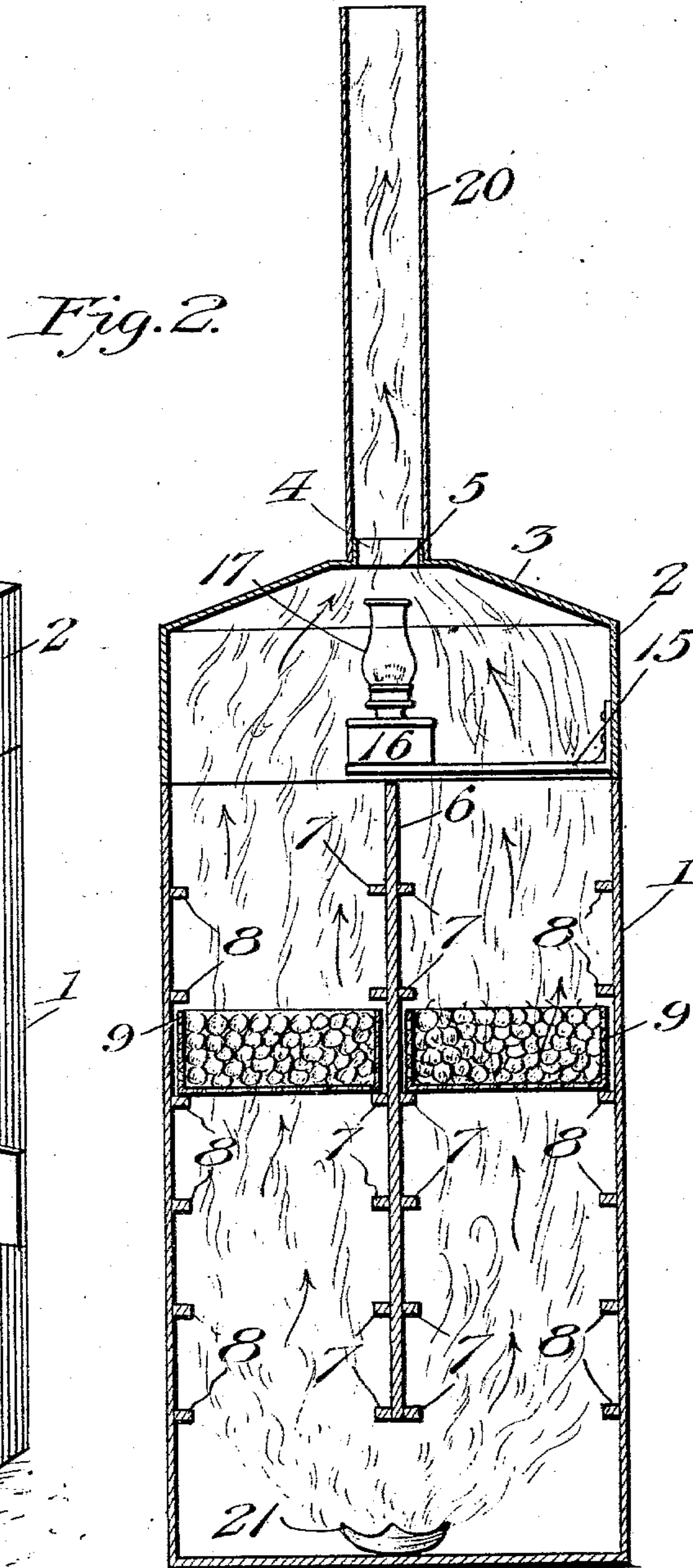
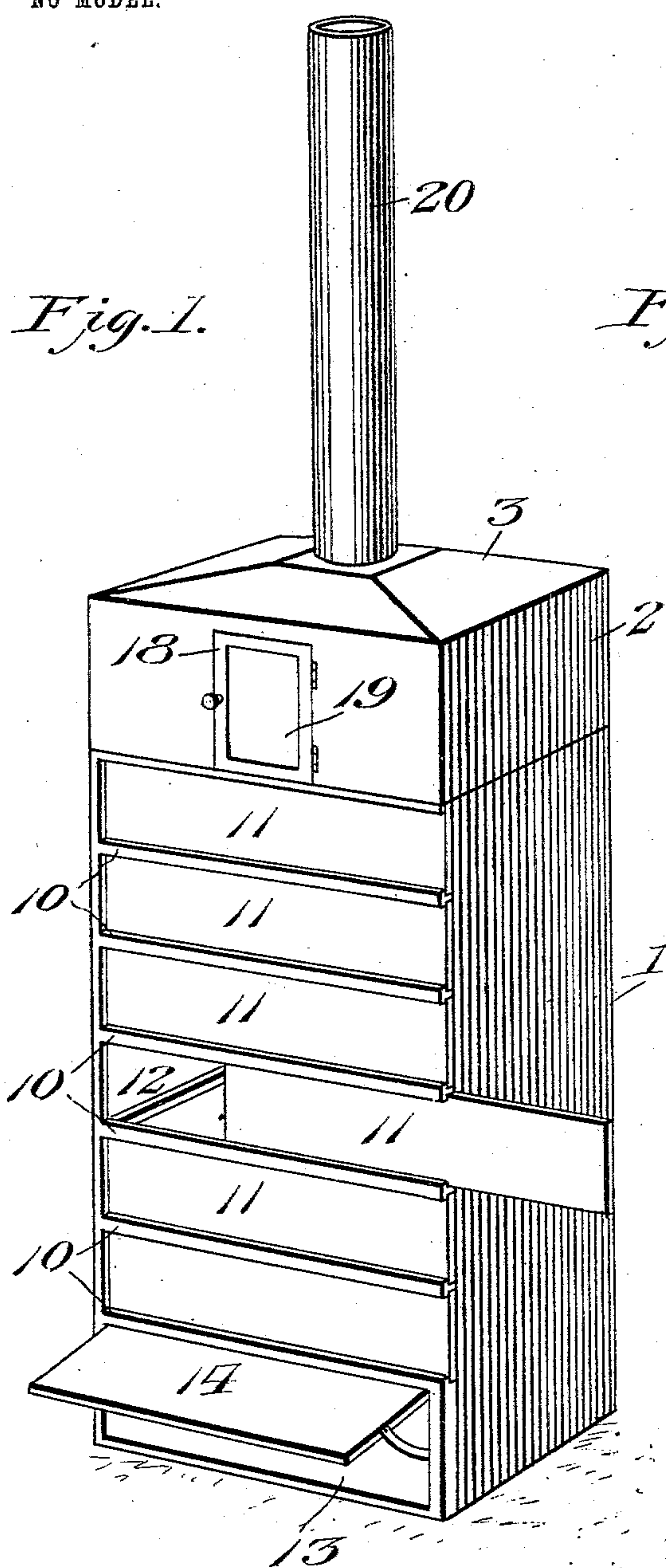
No. 753,143.

PATENTED FEB. 23, 1904.

J. W. KIMMONS.
FRUIT BLEACHER.

APPLICATION FILED DEC. 19, 1903.

NO MODEL.



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JOEL W. KIMMONS, OF LOWELL, ARKANSAS.

FRUIT-BLEACHER.

SPECIFICATION forming part of Letters Patent No. 753,143, dated February 23, 1904.

Application filed December 19, 1903. Serial No. 185,821. (No model.)

To all whom it may concern:

Be it known that I, JOEL W. KIMMONS, a citizen of the United States, residing at Lowell, in the county of Benton and State of Arkansas, have invented new and useful Improvements in Fruit-Bleachers, of which the following is a specification.

This invention relates to a fruit-bleacher; and the primary object of the same is to produce a safe and efficient machine for bleaching fruit and other materials and to prevent the escape of unhealthy gases or sulfurous odors into the work-room or inclosure in which the machine is disposed during the operation of the latter and obviate inconveniences and annoyances to the workmen or those attending the machine and also to so organize the elements that an upward suction of the sulfurous fumes will be established by means of a simple heating attachment.

A further object of the invention is to provide a device of the class set forth having means for readily gaining access to the interior thereof at varying elevations for convenience in arranging the trays containing the fruit or other material within the body of the bleacher.

With these and other objects and advantages in view the invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter set forth.

In the drawings, Figure 1 is a perspective view of a fruit-bleacher embodying the features of the invention. Fig. 2 is a longitudinal vertical section therethrough.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a body of suitable material and dimensions, on the upper end of which is disposed a heat-chamber with an upwardly-inclined top 3, leading to a central stack or pipe collar 4, surrounding an outlet-opening 5. The body 1 will be of that construction usually employed in driers or bleachers and has depending through the center, from the upper end thereof to a point at a suitable distance above the bottom, a partition 6, having pairs of ledges 7, secured to oppo-

site sides thereof in alinement with similar ledges 8, held against the inner surfaces of the opposite ends of the body 1 to provide supporting means for a series of trays 9, having perforate sides, ends, and bottoms. The rear side of the body 1 is fully closed, and extending horizontally across the front side is a plurality of guides 10 for the reception of slide-doors 11, which give access to the interior of the body for insertion through openings 12, normally covered by said doors, of the trays, the upper edges of the ledges 7 and 8 being on a level with the lower walls of the said openings 12. In some instances these slide-doors 11 may be replaced by hinged doors, which is a well known substitution in this art. The bottom of the body 1 is rendered accessible through an opening 13, which is normally closed by a drop-door 14, connected by hinges of a suitable structure.

The chamber 2 has a bracket-arm 15 extending horizontally thereinto and forming a means for supporting a lamp 16 directly above the upper end of the partition 6. The chimney 17 of the lamp has its upper end arranged directly under the opening 5, and the lamp is rendered accessible at any time through an opening in the chamber covered by a door 18, having a glass panel 19 therein for observing the lamp from the exterior of the chamber without opening the said door 18. Fitted on the collar 4 is a stack or pipe 20, of any suitable length, which is adapted to carry off the fumes from the bleacher.

In the operation of the device the trays 9 containing fruit or other material to be bleached are regularly disposed on and held by the ledges 7 and 8 and the doors 11 fully closed. A receptacle 21, containing sulfur or analogous material, is then placed in the bottom portion of the body 1 at the center. The lamp 16 is lighted and arranged on the bracket-arm 15, as shown by Fig. 2, and the sulfur or other material in the receptacle 21 is ignited and the door 14 closed. The heat created by the lamp 16 establishes an upward suction, which draws the fumes of the ignited material in the receptacle 21 upwardly through the several trays and causes the same to escape through the stack 20. All

the doors will be fitted so tight that the fumes will be prevented from escaping and annoying or inconveniencing the operator or those attending the bleacher.

5 The improved bleacher may be modified as to its proportions and dimensions without in the least departing from the spirit of the invention.

10 Having thus fully described the invention, what is claimed as new is—

15 1. A fruit-bleacher, consisting of a body having trays supported therein and a lower receptacle to contain an ignitable material, a chamber disposed on the upper end of the body and having a lamp arranged therein and an opening at the top over the lamp, and an outlet-pipe applied to the top over the opening.

2. A fruit-bleacher, consisting of a body having means therein for supporting trays 20 and a lower receptacle to hold an ignitable material, a chamber disposed on the upper end of the body and provided with an inwardly-extending supporting means and an opening in the top thereof, a lamp disposed 25 on the said supporting means, the chamber having a door with a transparent panel to give access to the lamp and expose the latter from the exterior, and a pipe applied to the top of the chamber over the said opening. 30

In testimony whereof I hereunto affix my signature in presence of two witnesses.

JOEL W. KIMMONS.

Witnesses:

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