

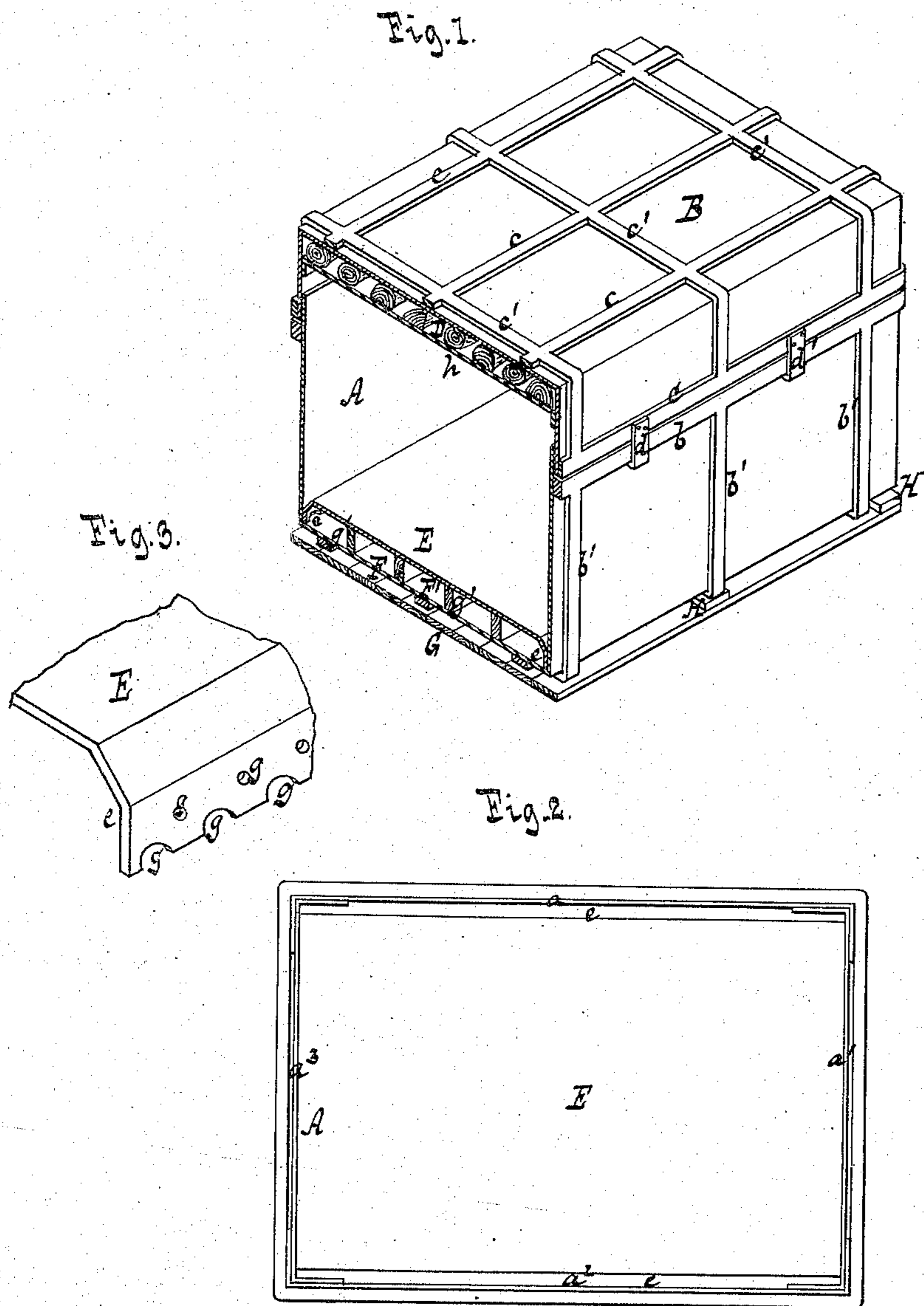
(No Model.)

F. W. SMALLEY & R. G. J. KENNARD, Jr.

APPARATUS FOR SWEATING TOBACCO.

No. 252,270.

Patented Jan. 10, 1882.



Witnesses.

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UNITED STATES PATENT OFFICE.

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APPARATUS FOR SWEATING TOBACCO.

SPECIFICATION forming part of Letters Patent No. 252,270, dated January 10, 1882.

Application filed August 1, 1881. (No model.)

To all whom it may concern:

Be it known that we, FREDERICK W. SMALLEY and ROBERT G. J. KENNARD, Jr., both citizens of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Apparatus for Sweating Tobacco, of which the following is a specification.

This invention relates to the novel construction and arrangement of the case in which the tobacco is exposed to the sweating operation, said construction being hereinafter fully pointed out.

This invention is illustrated in the accompanying drawings, in which Figure 1 represents a perspective view of our case partly in section. Fig. 2 is a plan or top view of the same when the top part or cover is taken off. Fig. 3 is a perspective view of a portion of the false bottom of our case on a larger scale than the previous figures.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates the body of our case, and B is its top or cover. Both these parts are constructed of sheet metal, by preference in the manner shown in Fig. 2, where a a' a^2 a^3 designate the sides and ends of the body A, each of said sides and ends being constructed of plates of sheet metal, the ends of which are bent at right angles, as shown in Fig. 2. After these plates have been united by soldering or otherwise, both parts of our case are strengthened and protected by guard-rails b b' c c' , which are secured to the outside of the body A and cover B by rivets, screws, or other suitable means, the rails b on the body being so placed that they form a rim against which the rails c of the cover close. When the cover is put on it is retained in position by suitable catches, d d , which are secured to the rails c and catch beneath the rails b . (See Fig. 1.)

In the interior of the cover B is secured a horizontal partition, h , forming a compartment, D, for the reception of an absorbent material—such as charcoal—the partition h being perforated to permit the gases which escape from the tobacco during the sweating opera-

tion to enter the compartment D, in which they are retained by the charcoal or other absorbent material.

The body A of our case is provided with a false bottom, E, the sides of which are bent downward, as shown in Fig. 3, to form arched feet e , which rest upon the bottom F of the body. When the false bottom is in position in the body A its feet are at a small distance from the sides of the body, and said feet are provided with perforations g , so that the juices and drainage running down from the tobacco during the operation of sweating will find their way into the space F' beneath the false bottom. This space may be charged with a suitable absorbing material, which absorbs the juices and drainage of the tobacco and prevents the evolution of noxious gases.

The false bottom E is supported by cleats g' , inserted between it and the bottom of the body A. This bottom is protected by a shield, G, which is composed of wooden slats fastened together by cleats H, said cleats being secured to the guard-rails b' , Fig. 1, so as to leave a space between the shield G and the bottom F for the heat to circulate. By this shield the bottom F of the body is protected against injury without shutting off the heat.

Our apparatus is designed to be used in a dry atmosphere or dry heat. We case the tobacco in a casing-water—such, for instance, as a solution of lime in water—and after the tobacco has been thoroughly cased we pack it in the chest A, and when all is packed the cover, B is applied and the whole case is put in a sweat-room heated to about 85° Fahrenheit.

We do not give in this specification a detailed description of our casing-water, such forming the subject-matter of a separate application for a patent.

What we claim as new, and desire to secure by Letters Patent, is—

1. An apparatus for sweating tobacco, in which is combined a body for containing the tobacco, a movable cover provided with a stationary horizontal foraminous partition, and a filling of charcoal or other absorbent material interposed between the partition and the cover,

for absorbing and retaining the gases arising from the tobacco during the sweating operation, substantially as described.

2. The combination, substantially as herein-
5 before described, of the body A, the cover B, the compartment D in the cover, the false bottom E, and the space F' beneath said false bottom and communicating with the interior of the body A.

10 3. The combination, substantially as herein-

before described, of the body A, the cover B, the guard-rails *b b' c c'*, the shield G, and cleats H.

In testimony whereof we have hereunto set our hands and seals in the presence of two subscribing witnesses.

FREDERICK W. SMALLEY. [L. S.]

ROBERT G. J. KENNARD, JR. [L. S.]

Witnesses:

EDMUND KLEIM,

MYER FOSTER.