

B. H. SCOTT.
Steaming Apparatus.

No. 227,451.

Patented May 11, 1880.

Fig. 1.

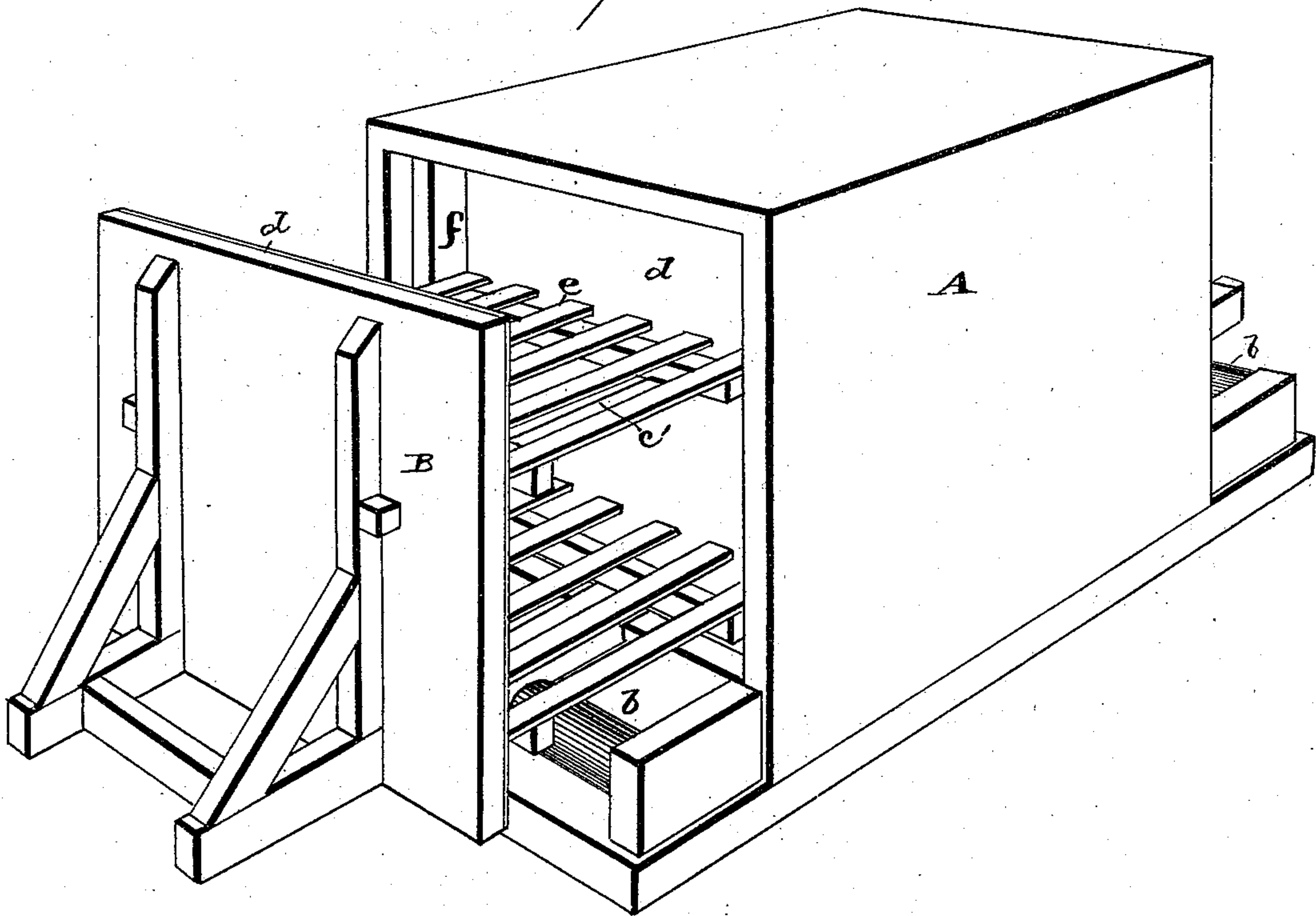
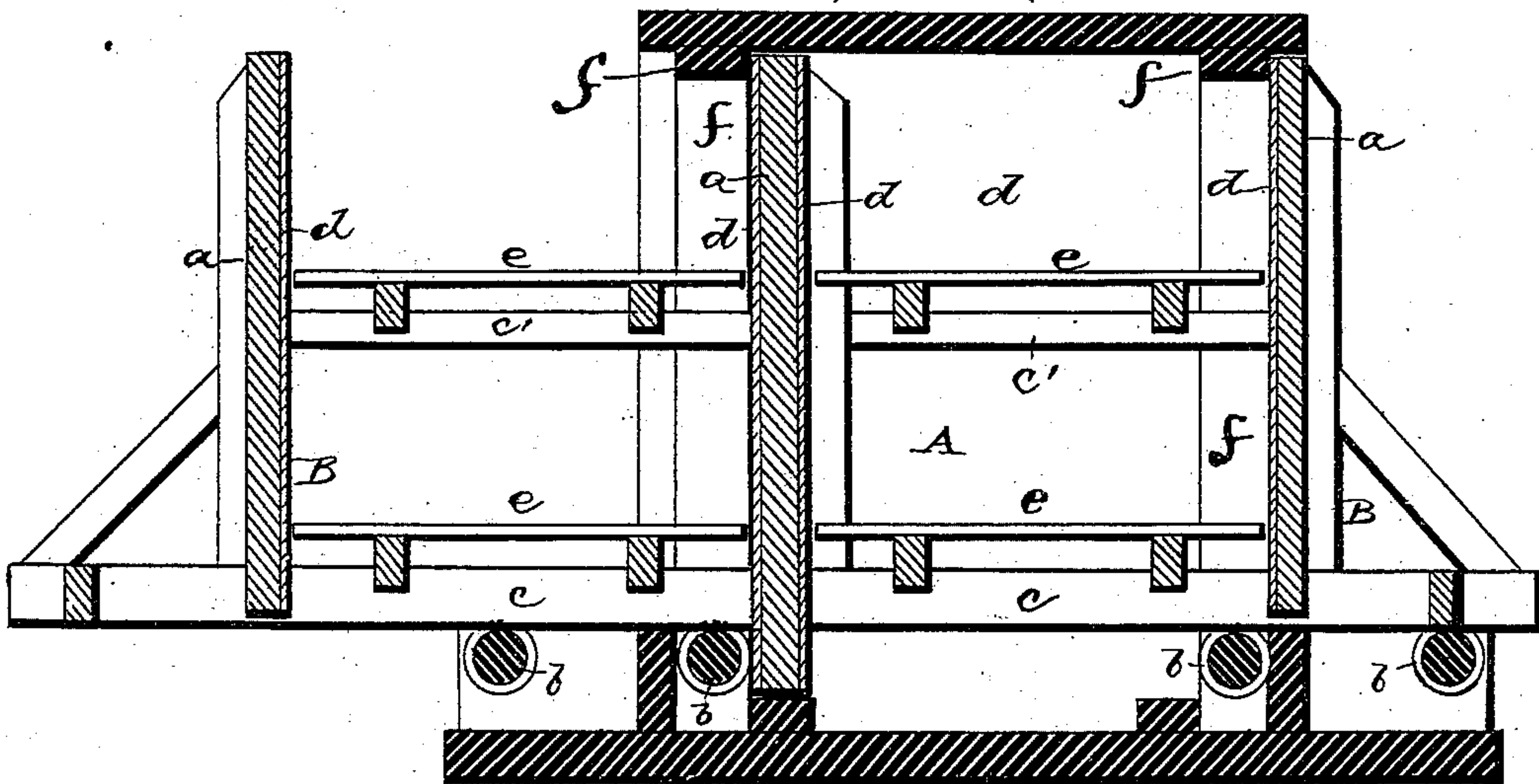


Fig. 2.



WITNESSES

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STEAMING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 227,451, dated May 11, 1880.

Application filed September 19, 1879.

To all whom it may concern:

Be it known that I, BURGESS H. SCOTT, of Clarksville, in the county of Montgomery and State of Tennessee, have invented certain
5 new and useful Improvements in Steaming Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to
10 make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to apparatus for steaming
15 substances such as tobacco, wood, cloth, or other suitable matter.

It consists in the means, hereinafter described and claimed, for providing a steaming-chamber with two open ends and a double-
20 compartment car adapted to place one compartment within said steaming-chamber while the other compartment is outside of the chamber. This construction permits the car to be
25 rolled alternately in opposite directions, simultaneously moving its two compartments respectively in and out of the steaming-chamber. Hence, while the contents of one compartment are being subjected to the steaming
30 process the steamed contents of the other compartment can be removed from the latter and new matter be placed thereon.

Referring to the drawings, Figure 1 is a view in perspective. Fig. 2 is a view in longitudinal vertical section.

35 The steaming-chamber A may be of any suitable construction and character, provided only it has two open ends. The car B is provided with two compartments, each of which has open sides, open top, and open bottom,
40 for the purpose of permitting the contents thereof to be the better subjected to the steaming process. These two compartments are formed by the three transverse walls *a*, one of which constitutes the middle wall of partition
45 between said compartments. Each compartment is substantially of like dimension with the interior of the steaming-chamber, so that the latter is filled to its capacity by one of said compartments. Grooved transverse rollers
50 *b* are provided, on which the longitudinal

beams *c* of the car have bearing, and it is evident that other means may be provided to accomplish a like result. Thus rollers or wheels on the car may run on tracks or tramways. The interior of the steaming-chamber
55 is provided with a metallic jacket, *d*, which retains the steam and makes a close chamber. The inner sides of both end walls, together with both sides of the middle or partition wall, said three walls being made of wood,
60 are likewise provided with a metallic jacket, such as sheet iron or zinc.

The steaming-chamber, made of wood, should be adapted to permit of contraction and expansion due to change of moisture and dry-
65 ness. The car-compartments may be provided with any suitable means for holding the goods to be steamed, the form shown in the drawings consisting of detachable slotted platforms
70 *e*, duly supported in position by longitudinal beams *c* *c'*.

The steaming-chamber is provided with cleats *f* at each end thereof, which accomplish the double function of effecting a close joint
75 with the end walls of each compartment and also of limiting the longitudinal movement of the car. The plane interior of the steaming-chamber serves to make an uninterrupted closed space when either one of the two compartments is placed therein, and the steam
80 has free circulation in all directions.

The invention is adapted for steaming any suitable goods, but is especially intended for steaming tobacco, and hence I will describe its operation in such use as an example. The
85 dry tobacco, which requires moistening preparatory to taking the stems out smoothly, is placed in one compartment of the car. The latter is then rolled so as to move said compartment entirely within the steaming-chamber
90 and effectually close the latter against escape of steam. The compartment that is out of the steaming-chamber then has its steamed contents unloaded, and a new load of unsteamed tobacco is substituted therefor.
95 In this way one compartment filled with tobacco can be within the steaming-chamber, subjecting its contents to said process, while the other compartment is being unloaded and reloaded.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a steaming-chamber having two open ends, of an open-side car having two end walls and a central transverse wall, said three walls forming two independent compartments adapted to be singly inclosed within and to snugly fill the steaming-chamber, each compartment being formed with its interior open from the respective end wall to the central wall, and adapted, when fitted within the steaming-chamber, to permit a free circulation of the steam in all directions throughout the entire dimensions of the steaming-chamber and inclosed compartment, substantially as set forth.

2. The combination, with a steaming-chamber provided with interior cleats at each end, of two movable open-side compartments formed to fit separately therein, the walls of each compartment being adapted to have horizontal bearings against said chamber-cleats, thereby effecting a lap-joint and forming a stop for the compartments, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of September, 1879.

BURGESS HENRY SCOTT.

Witnesses:

ED. S. MUNFORD,
GEO. W. RICE.