

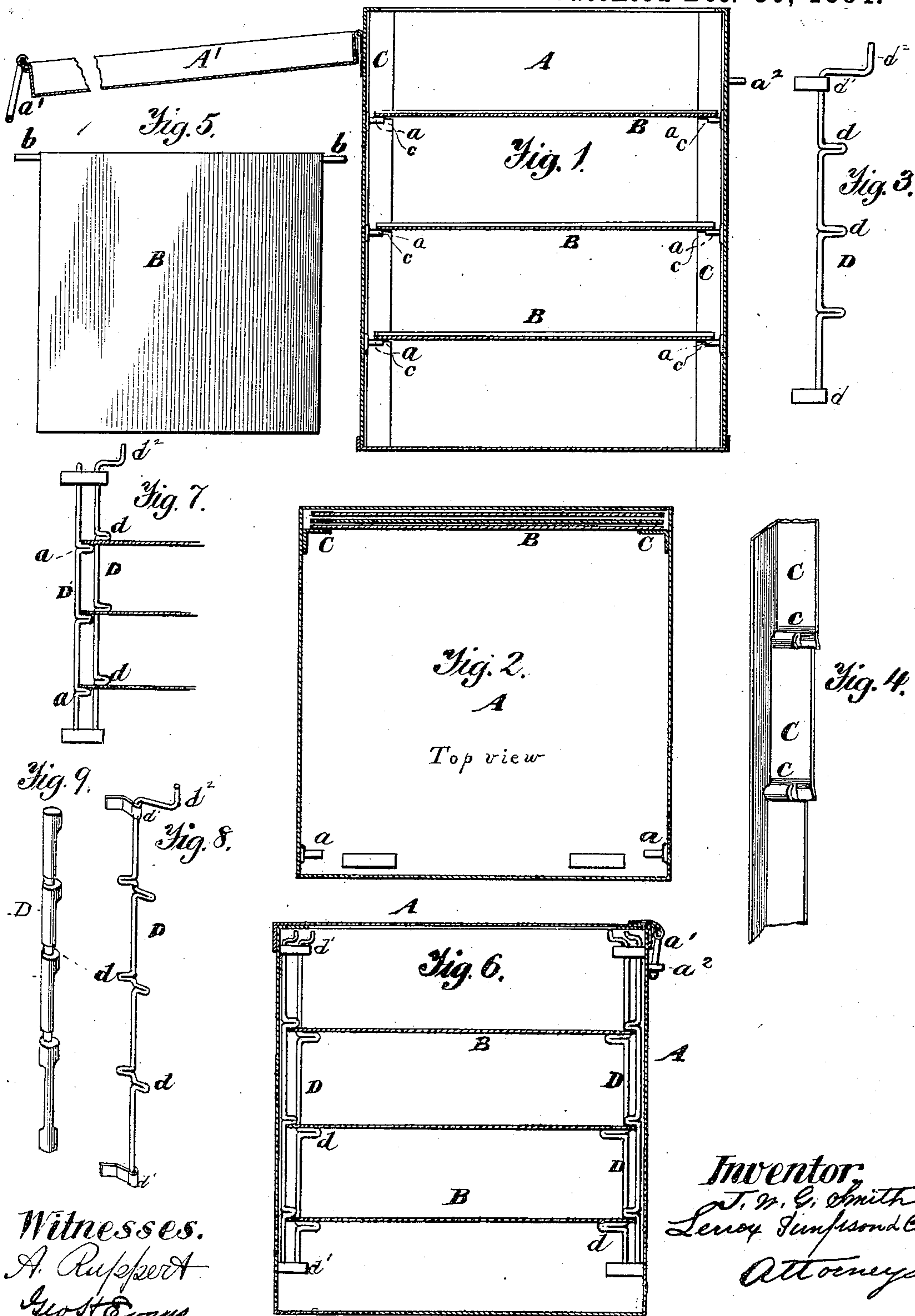
(Model.)

J. W. G. SMITH.

PACKING BOX.

No. 310,091.

Patented Dec. 30, 1884.



# UNITED STATES PATENT OFFICE.

JOHN W. G. SMITH, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO SYLVESTER S. MARVIN, OF SAME PLACE.

## PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 310,091, dated December 30, 1884.

Application filed June 21, 1884. (Model.)

*To all whom it may concern:*

Be it known that I, JOHN W. G. SMITH, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a Box for Packing Cakes or other Articles liable to Crush or Mash, of which the following is a specification.

The invention will first be described in connection with the drawings, and then pointed out in the claims.

Figure 1 of the drawings is a vertical cross-section showing how the partitions are supported. Fig. 2 is a horizontal section showing the partitions turned vertically in the pockets. Fig. 3 is a detail view in elevation of a locking-rod in its bearings. Fig. 4 is a detail view in elevation, showing rear open bearings which support the pivots of the partitions. Fig. 5 is a detail view in elevation of the partition with its pivots. Fig. 6 is a vertical cross-section showing a modification of the locking device. Figs. 7, 8, and 9 are detail views showing modifications of devices for locking and supporting the partitions.

In the drawings, A represents a rectangular box having cover A', the latter being made fast to the former by the cover-ring a' and the box-pin a<sup>2</sup>.

B are partitions having rear pivots, b b, which work in the bearings c c, arranged upon the vertical plates C. The latter are parallel to the back of box A and extend out farther and farther therefrom toward the bottom, so as to form pockets for the reception of the several partitions, which are thus placed compactly together, side by side, and in a vertical position, when not in use. The bearings c, as shown in Fig. 4 of the drawings, are open at the rear and have the top edge overlapping the bottom one, so that in raising the partitions a person may not inadvertently pull

them out, and so that when raised they will drop by their own gravity into their respective pockets.

D are rods having lateral studs or projections d, bearings d', and a handle or bent upper end, d<sup>2</sup>, so that when the rod is turned by the fingers the stud d may hold down the partition on its supports.

In Fig. 1 of the drawings I show fixed pins or studs a, to support the partitions B, the pins being attached to the box, while in Fig. 7 I show the studs a on a fixed rod, D'.

In Fig. 6 I show both the supporting and locking rod arranged to turn, while in Figs. 8 and 9 I show both the supporting and locking studs on the same rod, which of course is arranged to turn.

Having thus described all that is necessary to a full understanding of my invention, what I desire to protect by Letters Patent is specified in the following:

1. In packing-cases, the combination, with partitions provided with rear pivots, b, of bearings c c, open at the rear to allow the partitions, when raised, to escape into the pockets.

2. In packing-cases, the plate C, arranged parallel to the back of case, and at an increasing distance therefrom as they approach the bottom, to make a pocket for each partition, and all said pockets arranged side by side in a vertical position.

3. In packing-cases, the side-studded rods D, arranged to turn and lock the front of partitions on their supports, to allow the boxes to be turned either end up without bringing the pressure of one layer upon another.

JOHN W. G. SMITH.

Witnesses:

W. D. THOMAS,  
LENOX SIMPSON.