

(No Model.)

A. H. STILLWELL.

PACKING BOX.

No. 412,429.

Patented Oct. 8, 1889.

Fig. 1.

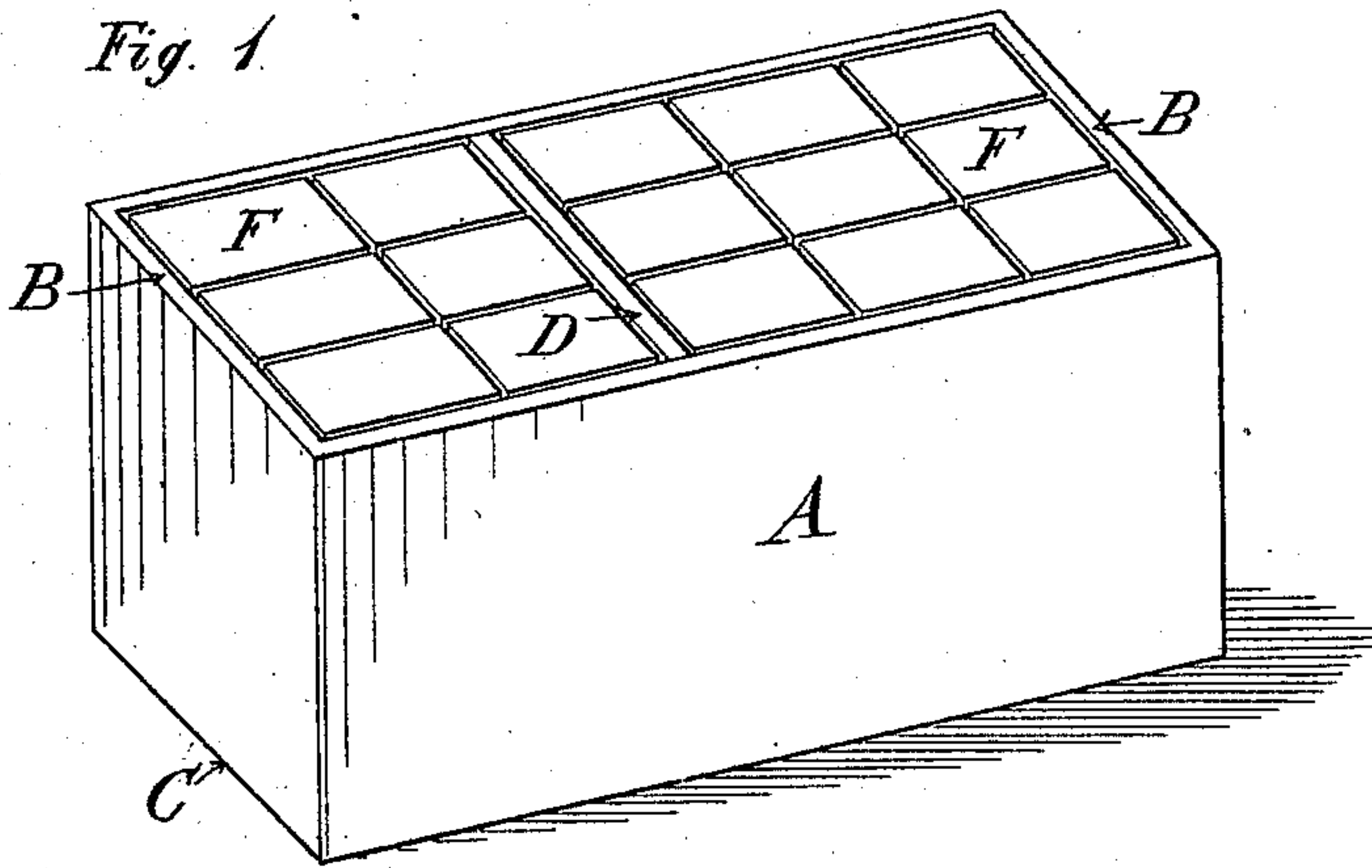


Fig. 2.

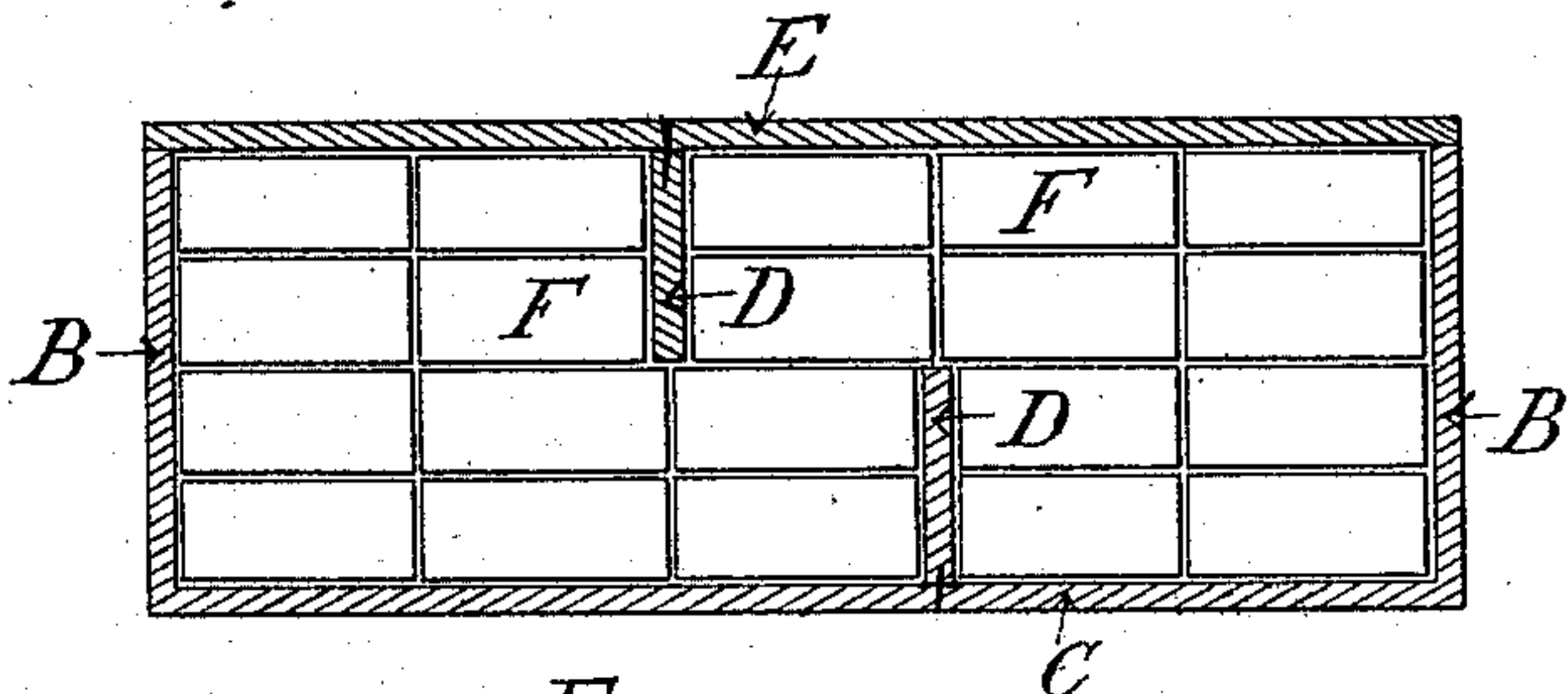


Fig. 3.

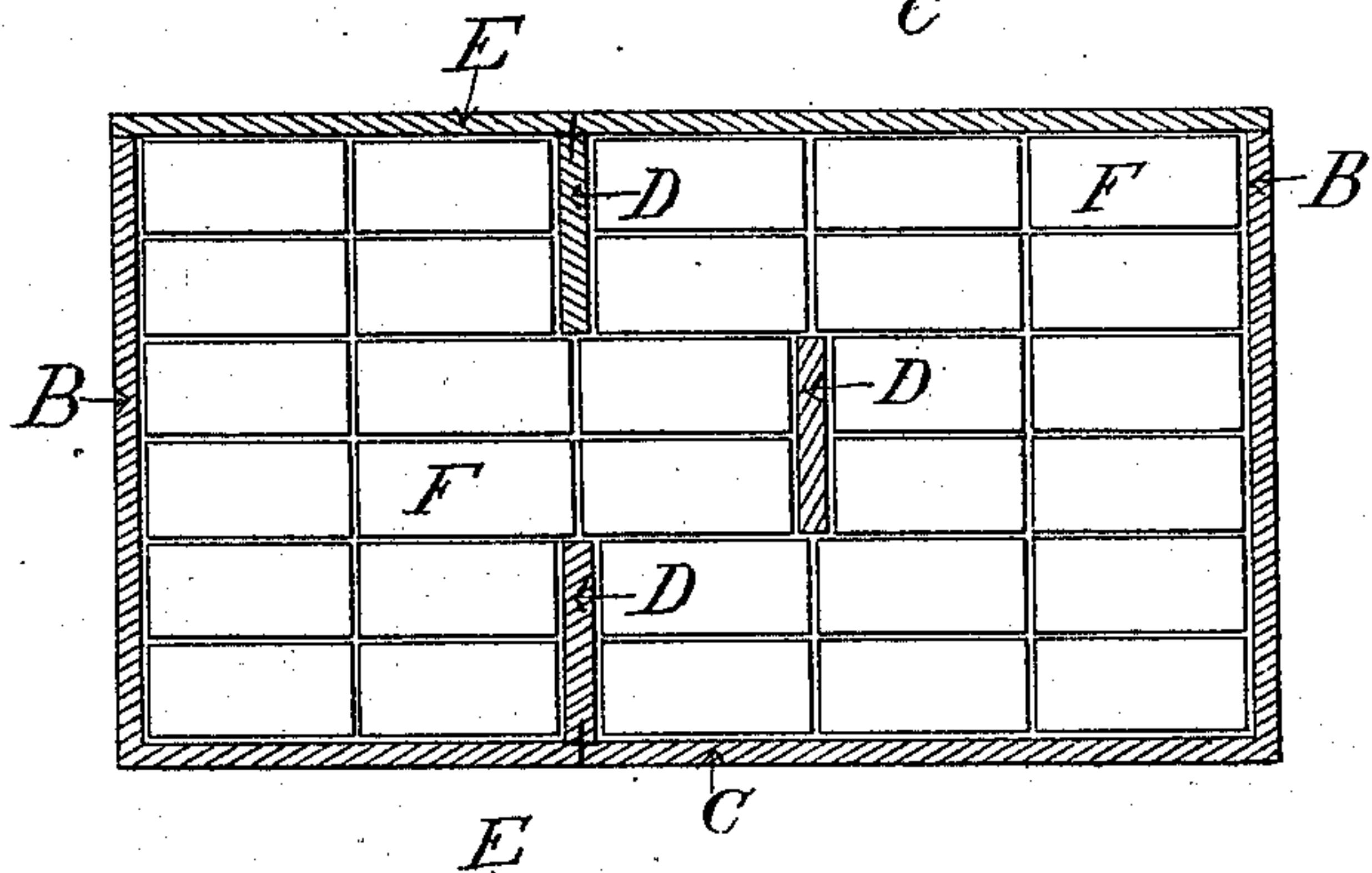
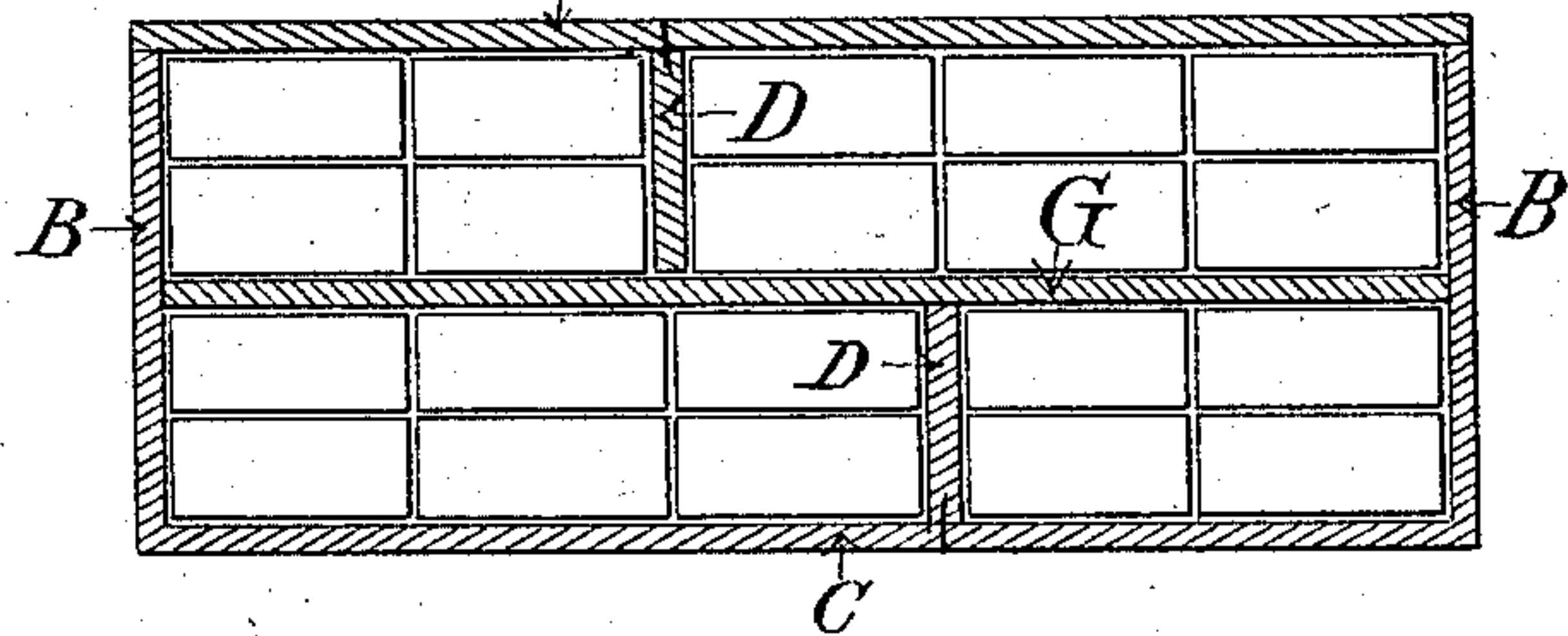


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALBERT H. STILLWELL, OF PHILADELPHIA, PENNSYLVANIA.

PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 412,429, dated October 8, 1889.

Application filed July 15, 1889. Serial No. 317,632. (No model.)

To all whom it may concern:

Be it known that I, ALBERT H. STILLWELL, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Packing-Boxes, of which the following is a specification.

My invention relates to improvements in large packing-boxes used especially for holding a number of small paper or other boxes containing rock-candy or other confectionery, fruits, &c., and is intended to prevent the crushing effect of the weight of a large number of boxes being exerted against any other or a smaller number of boxes in the same package or case in which such goods are now packed for purposes of transportation. It is especially desirable that such goods should be kept while in transit and delivered in as good condition as when first shipped, and this object I attain by placing in a large or outside packing-case a number of partitions or bulk-heads staggered and divided off to suit the number of layers or tiers, and also the several sizes, of such small paper or other boxes as may be used for transportation. I am also enabled to so divide an unequal number of small boxes in the several layers in which they are packed as to equally divide the weight thereof with reference to the whole number of boxes contained in any such packing-case.

In the accompanying drawings, Figure 1 shows a packing-box filled with the small boxes, with its lid removed. Fig. 2 shows a longitudinal section of box with two partitions or staggered bulk-heads equally dividing, in a great measure, the weight of an uneven number of small boxes. Fig. 3 is a longitudinal section of a box having three staggered partitions. Fig. 4 is a longitudinal section of a box, showing an intermediate or secondary bottom or partition.

Similar letters of reference designate corresponding parts in all the figures.

A represents a large packing case or box, in which are placed a number of small boxes for transportation.

B represents the sides and ends of the packing-box.

C represents the bottom of the packing-box.

D represents the partial or staggered partitions or bulk-heads, which are fastened from the outside of the box and through or to either the top, bottom, or sides of the box.

E represents the top or lid of the box.

F represents a number of small boxes packed and divided in a large box, as is done for transportation.

G represents a secondary bottom or partition, which may be used to still further divide the weight and contents of such boxes. Where a large packing-box is used, several of such intermediate bottoms and any number of bulk-heads may be used.

My construction of packing-boxes need not be any heavier or much more expensive than those in ordinary use, because they are so strengthened by the bulk-heads or partitions that a much lighter lumber may be used for the top, bottom, and sides than is ordinarily used.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A box A, having the staggered bulk-heads secured to its walls, substantially as and for the purpose set forth.

2. A box A, having the staggered bulk-heads secured to its walls, in combination with the secondary bottom G, as and for the purpose set forth.

3. A box A, having the staggered bulk-heads secured to its walls, in combination with the secondary bottom G, having bulk-heads secured thereto, as and for the purpose stated.

ALBERT H. STILLWELL.

Witnesses:

C. S. MCAANERNY,
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