

J. F. Drummond,

Box for Bottles.

N^o 34,547.

Patented Feb. 25, 1862.

Fig. 1.

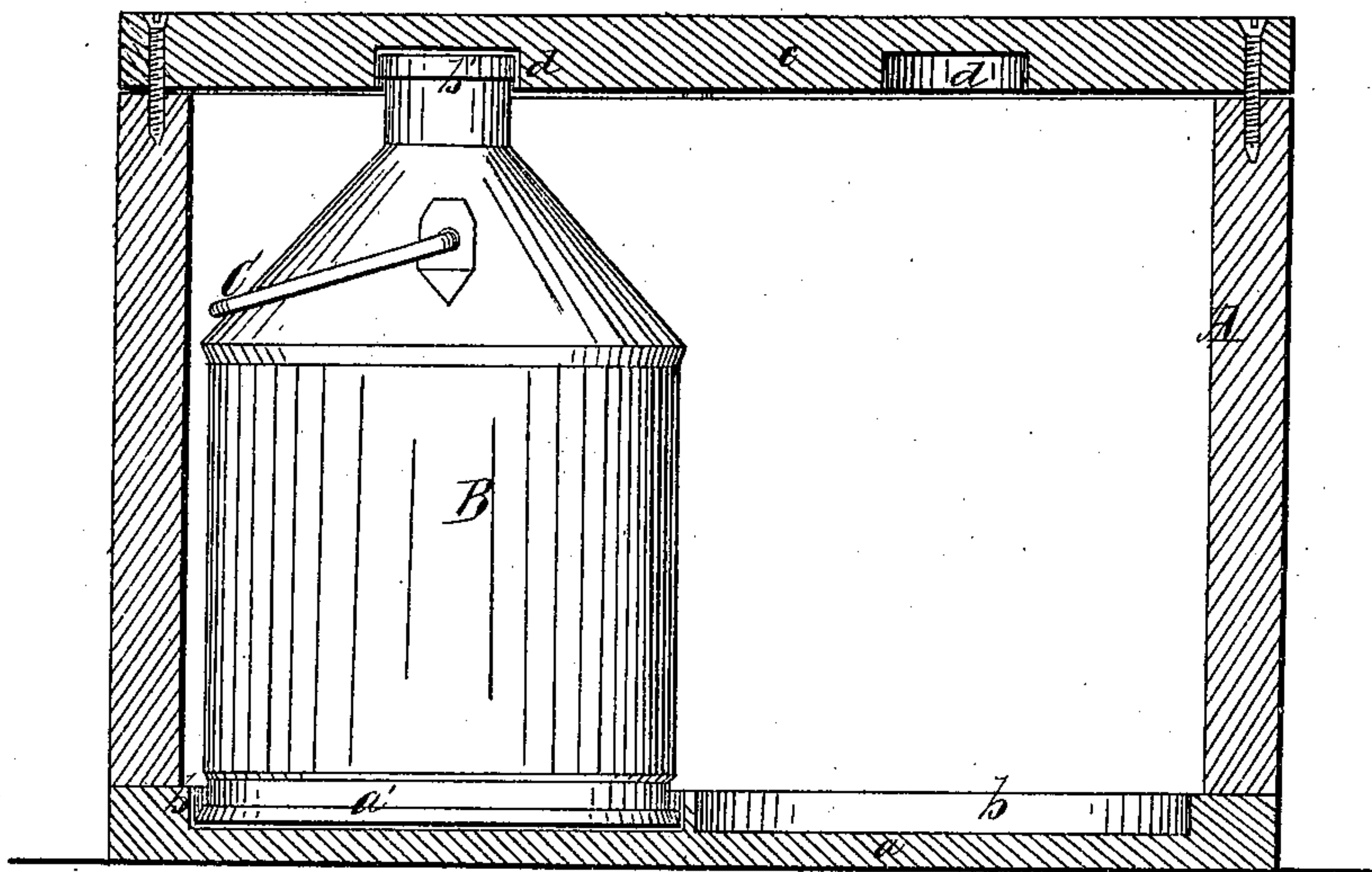
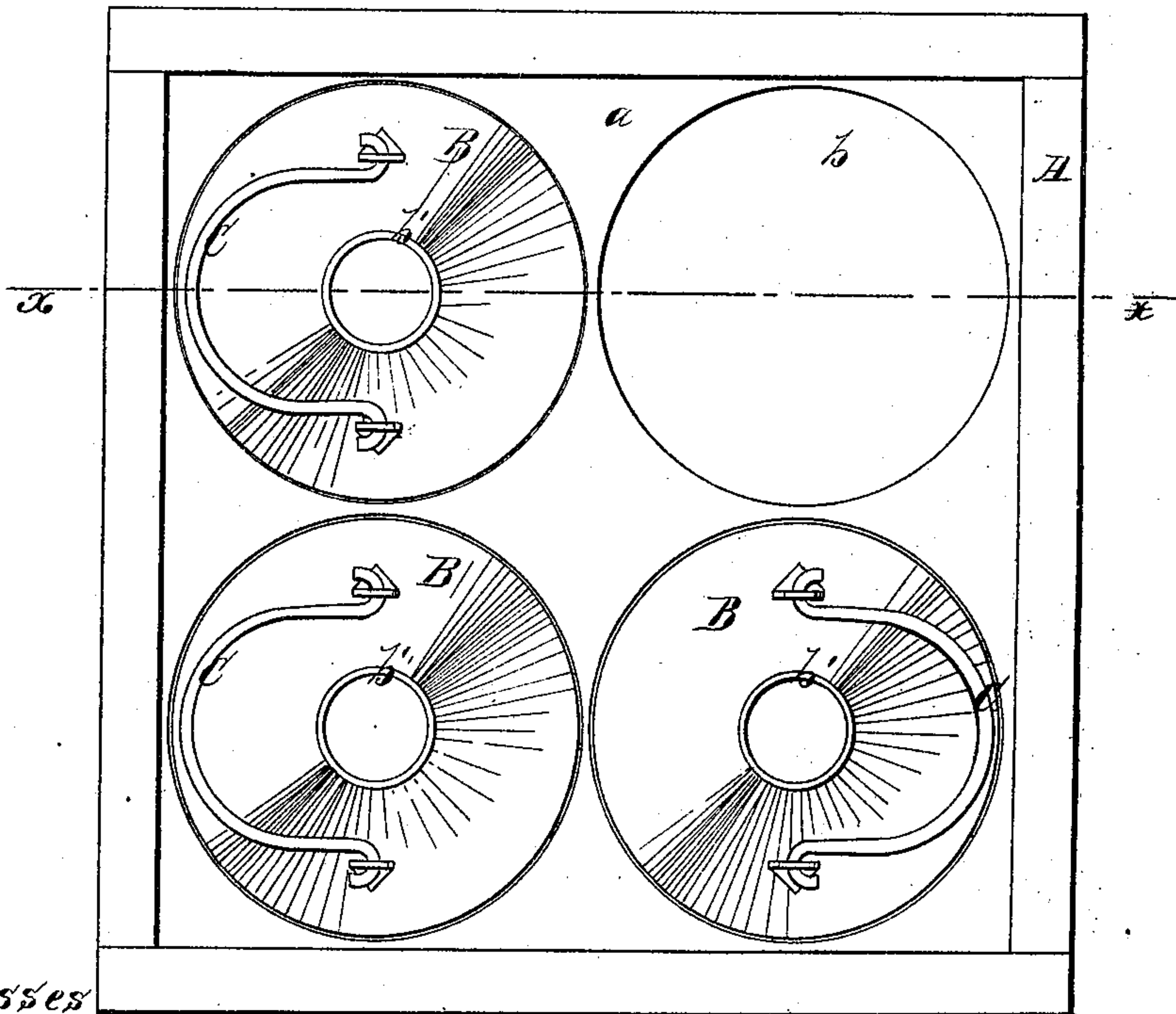


Fig. 2.



Witnesses

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JAMES F. DRUMMOND, OF NEW YORK, N. Y., ASSIGNOR TO CHAS. T. REYNOLDS, FREDK. W. DEVOE, AND CHARLES PRATT, ALL OF SAME PLACE.

IMPROVEMENT IN PACKING CANS FOR TRANSPORTATION.

Specification forming part of Letters Patent No. 34,547, dated February 25, 1862.

To all whom it may concern:

Be it known that I, JAMES F. DRUMMOND, of the city, county, and State of New York, have invented a new and Improved Mode of Packing Cans for Transportation; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical section of a box having a can fitted within it according to my invention; Fig. 2, a plan or top view of the same with the cover removed.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to pack ordinary cylindrical sheet-metal cans—such as are used for holding turpentine, oil, varnishes, &c.—in such a manner that the whole weight of the cans and contents will be firmly held and sustained at the extremities of the cans, which are their strongest portions, while the sides or bodies of the cans, which are their weakest portions, are prevented from moving or coming in contact with each other or with any other substance, all indentation, weakening, and leakage of the cans during transportation being thus prevented.

A well-known mode of packing has been to have square or quadrilateral cans constructed so that they may be closely fitted within their cases without any filling or packing. This mode, however, although economizing somewhat in space and reducing the cost of transportation, in a slight degree, is attended with the loss of the cans, so far as after use is concerned, as painters, varnishers, &c., cannot use them as portable or hand vessels. Another objection to this mode is that, under the rough handling which the boxes undergo in transportation, the cans are caused to jam and grind against each other, their sides become bent in, and the seams are weakened and soon break, when leakage takes place. The same difficulty attends the transportation of paint-cans where fillings or packings are used between the cans.

Owing to the great weight of prepared paints, due to the use of lead, it is almost impossible to pack the cans with fillings and transport them for long distances without more

or less injury to the seams and sides of the cans, and the consequent leakage of the paints. The loss of property from this cause is annually very great.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a box, which may be constructed of wood, of rectangular form, and B represents the cans, which are packed therein. These cans are of cylindrical form—such as are generally made for holding oils, turpentine, varnishes, &c.—and each is provided with a bail or handle, C.

In the inner surface of the bottom *a* of the box there are made a series of circular recesses, *b*, of sufficient diameter to receive the bottoms *a'* of the cans B, and in the under surface of the lid *c* of the box there are made a series of circular recesses, *d*, the latter being of sufficient diameter to receive the tops *b'* of the cans. The recesses *d* are directly over and coincide with the recesses *b* in the bottom *a* of the box, as will be fully understood by referring to Fig. 1.

When the lid *c* is secured to the box A, the cans B are firmly secured in position, as will be clearly seen by referring to Fig. 1, all lateral movement is prevented, and by having the tops of the cans in contact with the tops of the recesses *d* in the lid *c* no vertical play or movement will be allowed, and the cans will be supported and held exclusively by their ends, and all contact at their sides, and consequently all injury thereto by indentation, will be surely prevented.

I do not claim, broadly, the placing of cleats and the formation of recesses in packing-boxes for the reception of the articles to be therein placed; but,

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

The method of preventing the indentation, leakage, and weakening of paint-cans, herein shown and described.

JAS. F. DRUMMOND.

Witnesses:

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