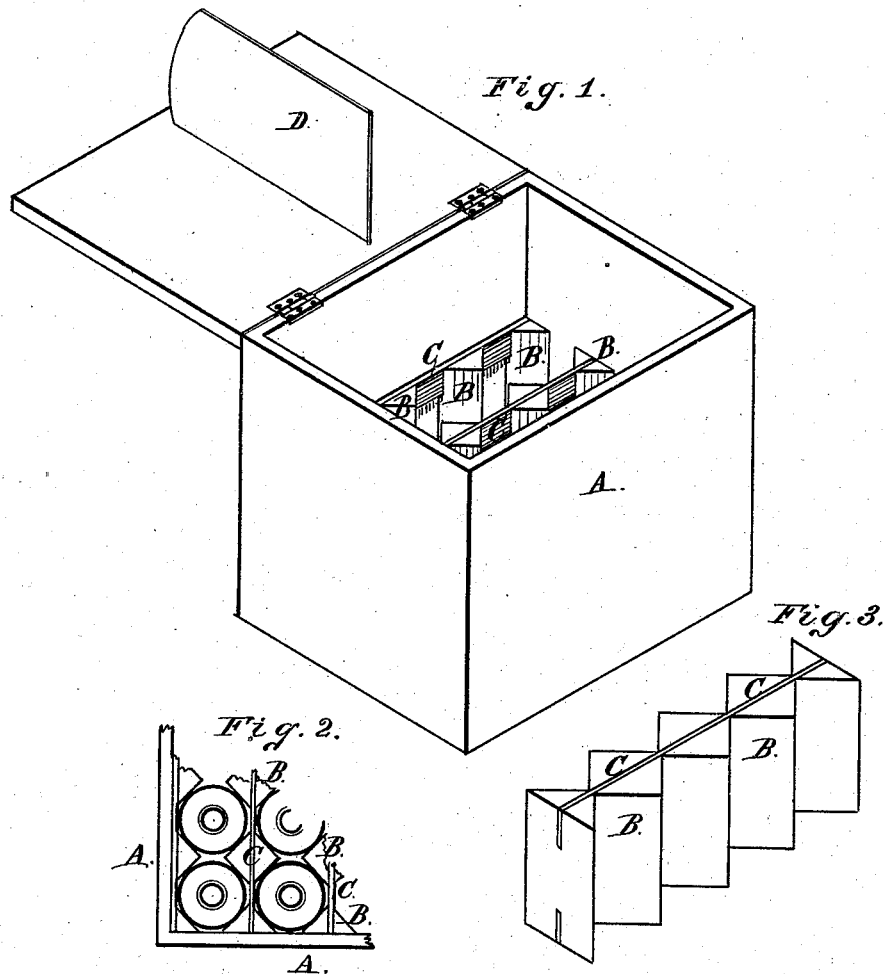


H. H. & B. HARTMANN.
Case for Bottles.

No. 215,353.

Patented May 13, 1879.



Attest:
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UNITED STATES PATENT OFFICE.

HUBERT H. HARTMANN AND BERNHARD HARTMANN, OF BELLEVILLE, ILL.

IMPROVEMENT IN CASES FOR BOTTLES.

Specification forming part of Letters Patent No. **215,353**, dated May 13, 1879; application filed March 31, 1879.

To all whom it may concern:

Be it known that we, HUBERT H. HARTMANN and BERNHARD HARTMANN, both of Belleville, in the county of St. Clair and State of Illinois, have invented a certain new and useful Improvement in Cases for Bottles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

Our improvement consists in frames fitted removably within a case, and constructed to hold the bottles asunder, as shown.

In the drawings, Figure 1 is an isometric perspective view illustrating our invention. Fig. 2 is a detail top view, showing a corner of the box containing bottles. Fig. 3 is a perspective view of a block-frame removed from the case. The packing-blocks in this frame are made of larger dimensions than those shown in Figs. 1 and 2, to adapt them to the packing of square bottles.

A is the case. This may be made of any desired form and size. As shown, it will contain twelve bottles in three rows of four each standing upright.

The packing-frames are made the full inside length or width of the box, that there will be no end play. These frames consist of a number of packing-blocks, B, attached to a number of connecting bars or strips, C, at top and bottom. These blocks have the proper size and form to occupy the spaces between the bottles, so as to hold the bottles from moving and to prevent the contact of one bottle with another. So that the packing-blocks fulfill these offices, they may vary in shape to any extent.

Indeed, bottles of various forms would demand a modification in the form or size of the blocks. For instance, it is obvious that the blocks shown in Figs. 1 and 2 would not be suitable for square bottles, whereas by increasing their size, as shown in Fig. 3, so as to occupy one-half the transverse sectional area of the case, rectangular spaces would be left between the blocks, suited for the reception of bottles of square or other forms.

It will be obvious that one packing-frame on each side will be made flat upon one side, to fit the flat inside of the case. The other frames are made to fit a row of bottles on each side.

The packing-frames are shown and described as placed vertically in the case; but it is obvious that they will answer an equally good purpose if placed horizontally—that is, occupying the position they would if the case was laid down on one of its sides.

The packing-blocks have been shown of angular form in the illustration; but we do not confine ourselves to any precise form or size.

D is a plate extending from the inner face of the lid at right angles with the same, and which, when the lid is closed, bears upon the top of the packing-frames and holds them down in position, said plates occupying space between the necks of bottles.

We claim as our invention—

The case A, provided with packing-frames B C, for the purpose set forth.

HUBERT H. HARTMANN.

BERNHARD HARTMANN.

Witnesses:

SAML. KNIGHT,
GEO. H. KNIGHT.