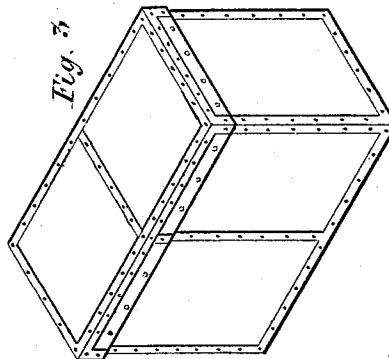
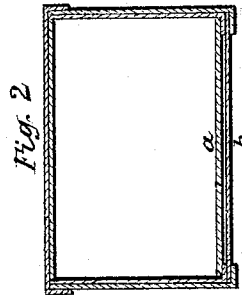
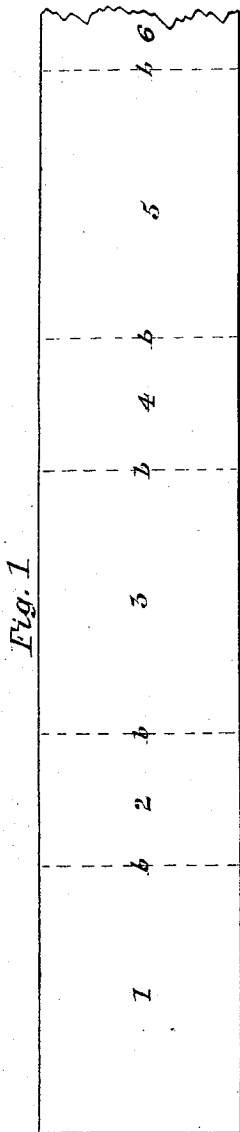


J. F. JONES.
Paper-Box.

No. 159,269.

Patented Feb. 2, 1875.



Witnesses:

Chas. H. Key.
Chr. Holmström.

Inventor:

John F. Jones.

UNITED STATES PATENT OFFICE.

JOHN FRANKLIN JONES, OF MARCELLUS FALLS, NEW YORK.

IMPROVEMENT IN PAPER BOXES.

Specification forming part of Letters Patent No. **159,269**, dated February 2, 1875; application filed January 6, 1875.

To all whom it may concern:

Be it known that I, JOHN FRANKLIN JONES, of Marcellus Falls, in the county of Onondaga, in the State of New York, have invented a new and useful Improvement in Paper Boxes for Merchandise, of which the following, taken in connection with the accompanying drawing, is a full, clear, and exact description.

The object of this invention is to substitute paper-board for wood in the manufacture of large packing-cases for merchandise generally; and it consists in the manner of attaching thereto a bottom of two thicknesses, or of several thicknesses, to make them water-tight.

In the drawing, Figure 1 represents a roll of paper-board, from which a rectangular case is to be made. The lines *b b* indicate the places where it is to be bent at right angles, whence the sections 1, 2, 3, and 4 will form the first four sides of the case; then, by continuing the process, section 5 will come on top of section 1, section 6 on top of section 2, and so on, until the desired thickness is obtained.

Fig. 2 is a sectional view, showing the manner of attaching the top and bottom to the case. The bottom consists of two sheets, *a* and *b*, or of several sheets, the inside sheet, *a*, resting on flanges turned on the first or inner course of the sides, and the outside sheet, *b*, is supported in the same manner by the outer course of the sides. The sheet *a* forms the main stay of the case, and the sheet *b*, being protected by the flanges on the sides of the case, makes the bottom water-tight, and at the same time stiffens the case. The flanges on the sides also protect the corners of the case.

The top may be made of one or more thick-

nesses, and is to be provided with flanges fitting around the outside of the case, for the purpose of bracing the same at the top.

Fig. 3 is an isometric view of a case when complete, showing the manner of bracing it with hoop or band iron.

All the corners are to be thus stayed, and all the parts to be well fastened together by rivets, nails, cement, or other suitable means.

A case made of this material, and in the manner described, will, when painted or varnished, or if made of size pulp, be impervious to water, and be light, durable, and strong, and can be manufactured considerably cheaper than the wooden boxes now in use.

The top, being fastened to the case by screws, it can be detached without injuring the same, and therefore the case can be used repeatedly, whereas wooden dry goods boxes are usually destroyed after first use.

Having thus fully described my invention, I claim—

A box made from roll-paper, with flanges around its bottom, stayed with hoop-iron, and provided with a bottom of several thicknesses, each sheet thereof being supported by the flanges of a separate course, substantially as described.

In testimony whereof I have signed my name and affixed my seal in the presence of two attesting witnesses at Syracuse, in the county of Onondaga and State of New York, this 15th day of December, 1874.

JOHN FRANKLIN JONES. [L. S.]

Witnesses:

CHAS. H. HEY,
CHR. HOLMSTRUP.