

(No Model.)

A. C. LOHMANN.

PAPER BOX.

No. 349,165.

Patented Sept. 14, 1886.

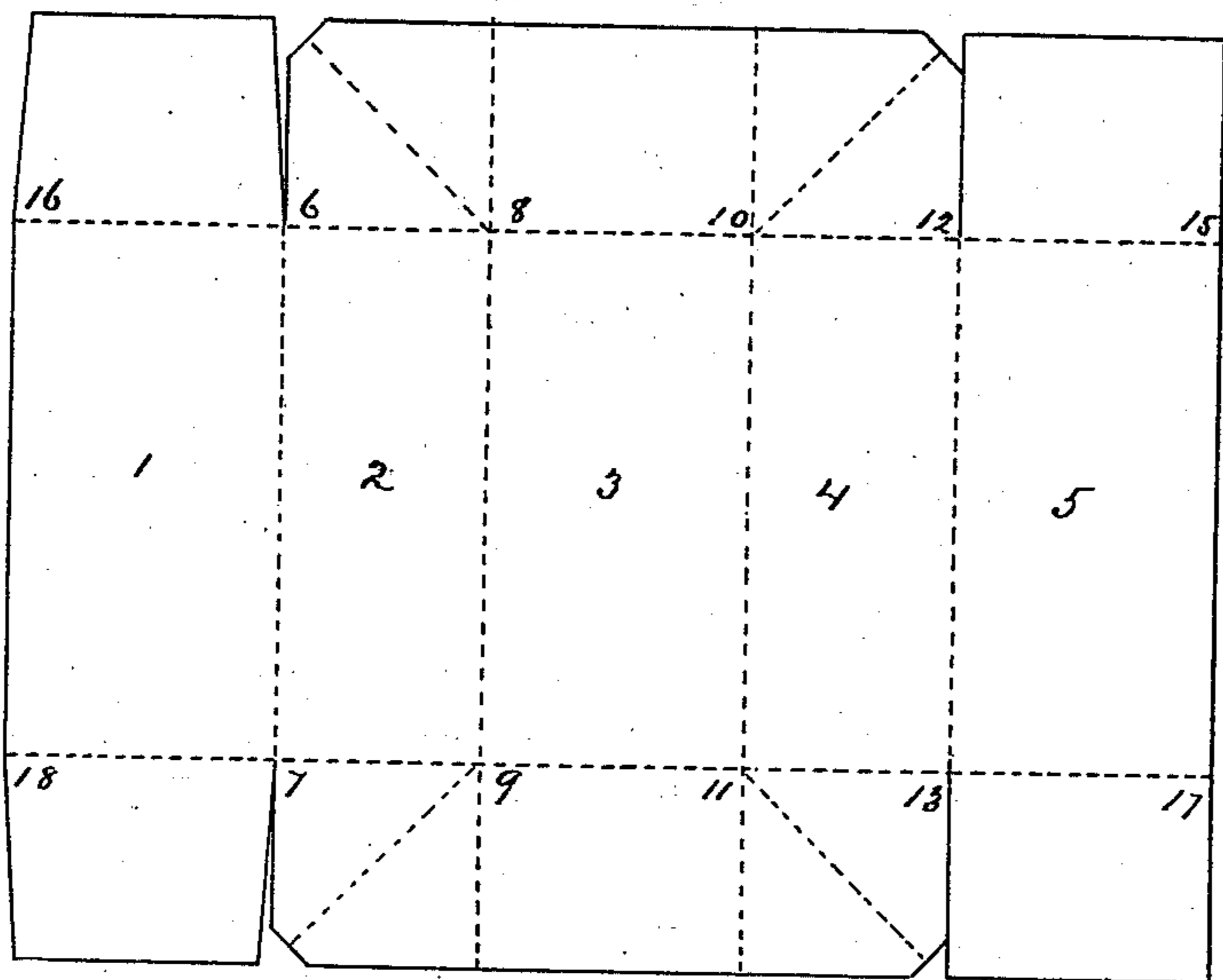


Fig. 1.

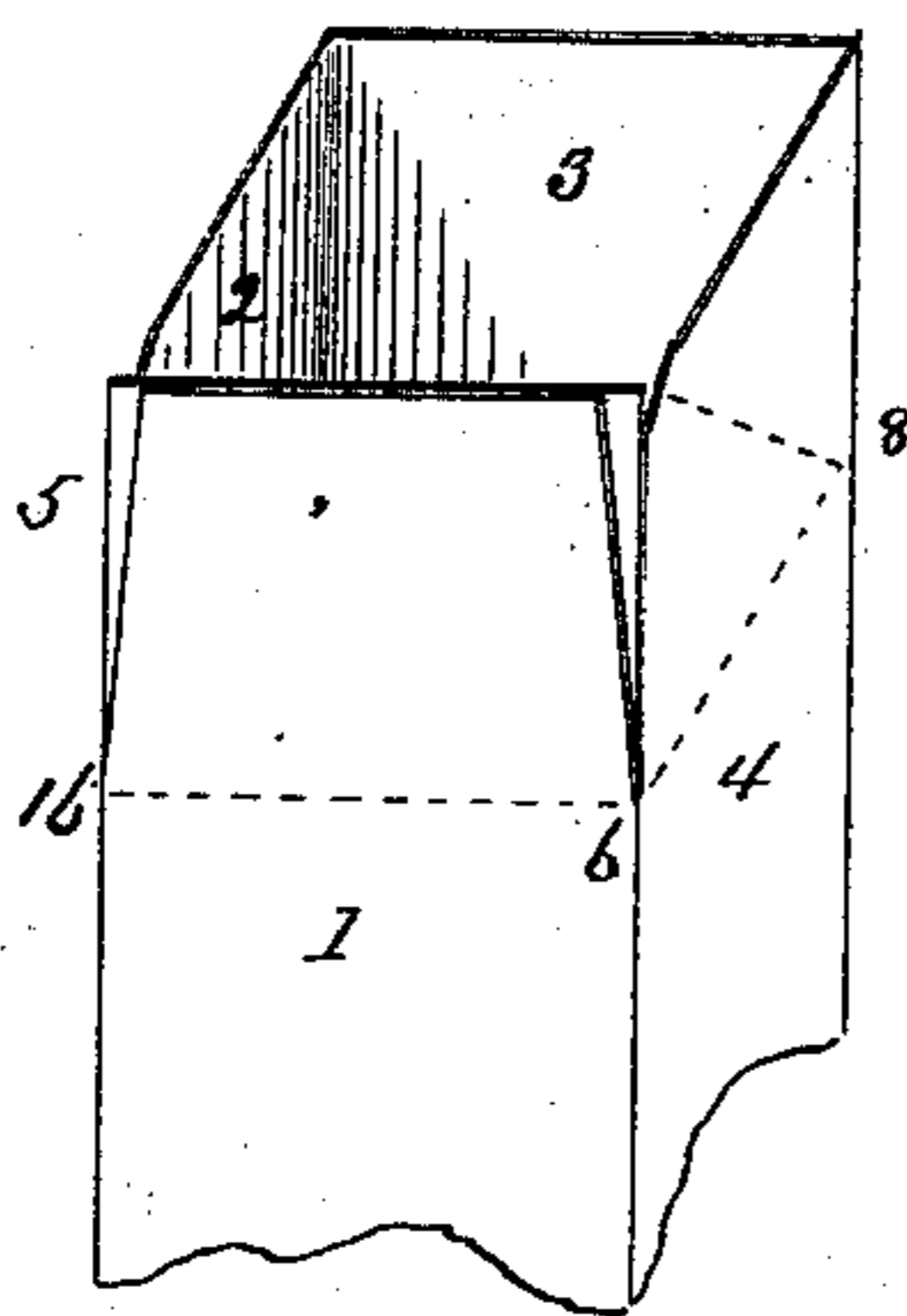


Fig. 2.

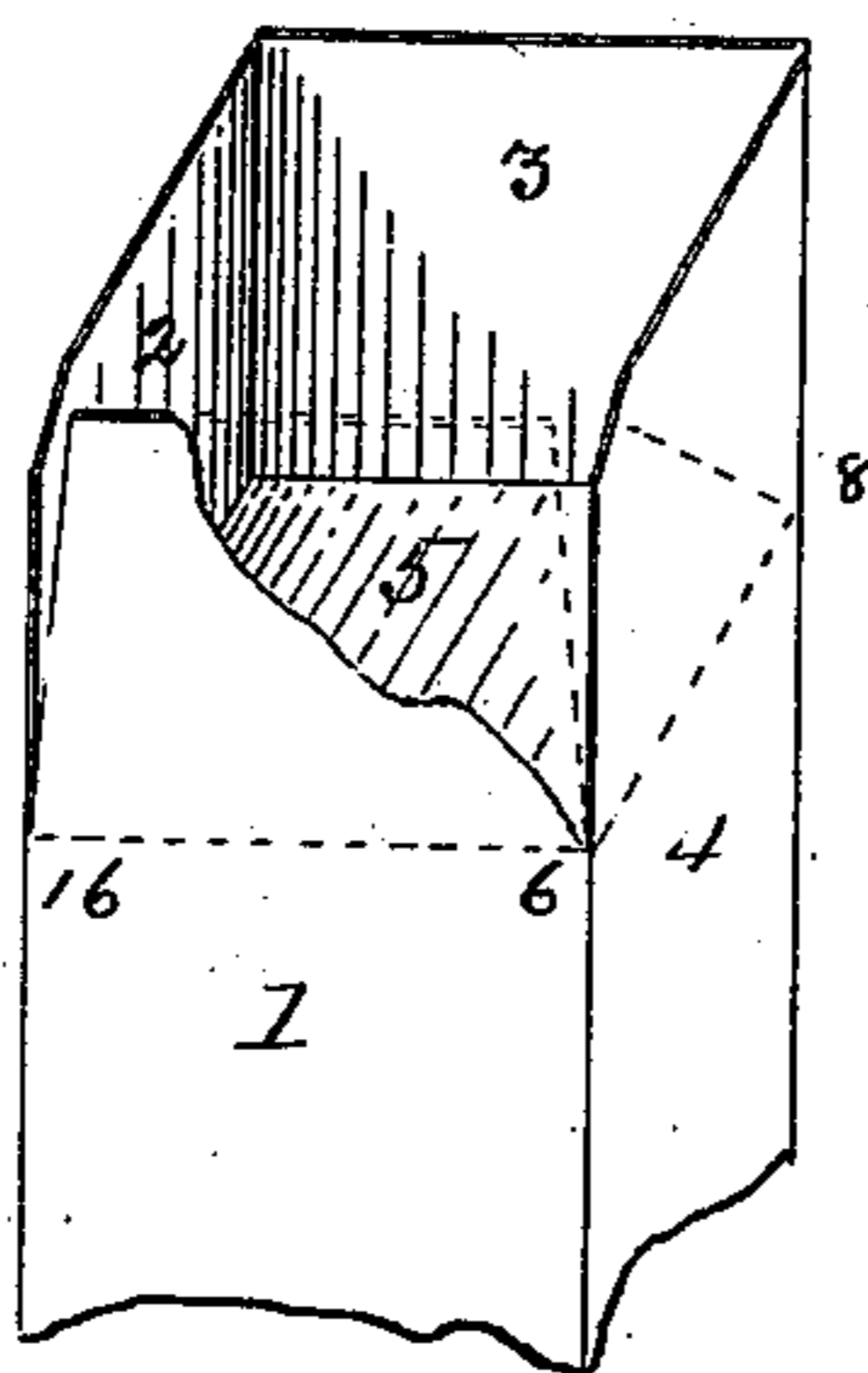


Fig. 3.

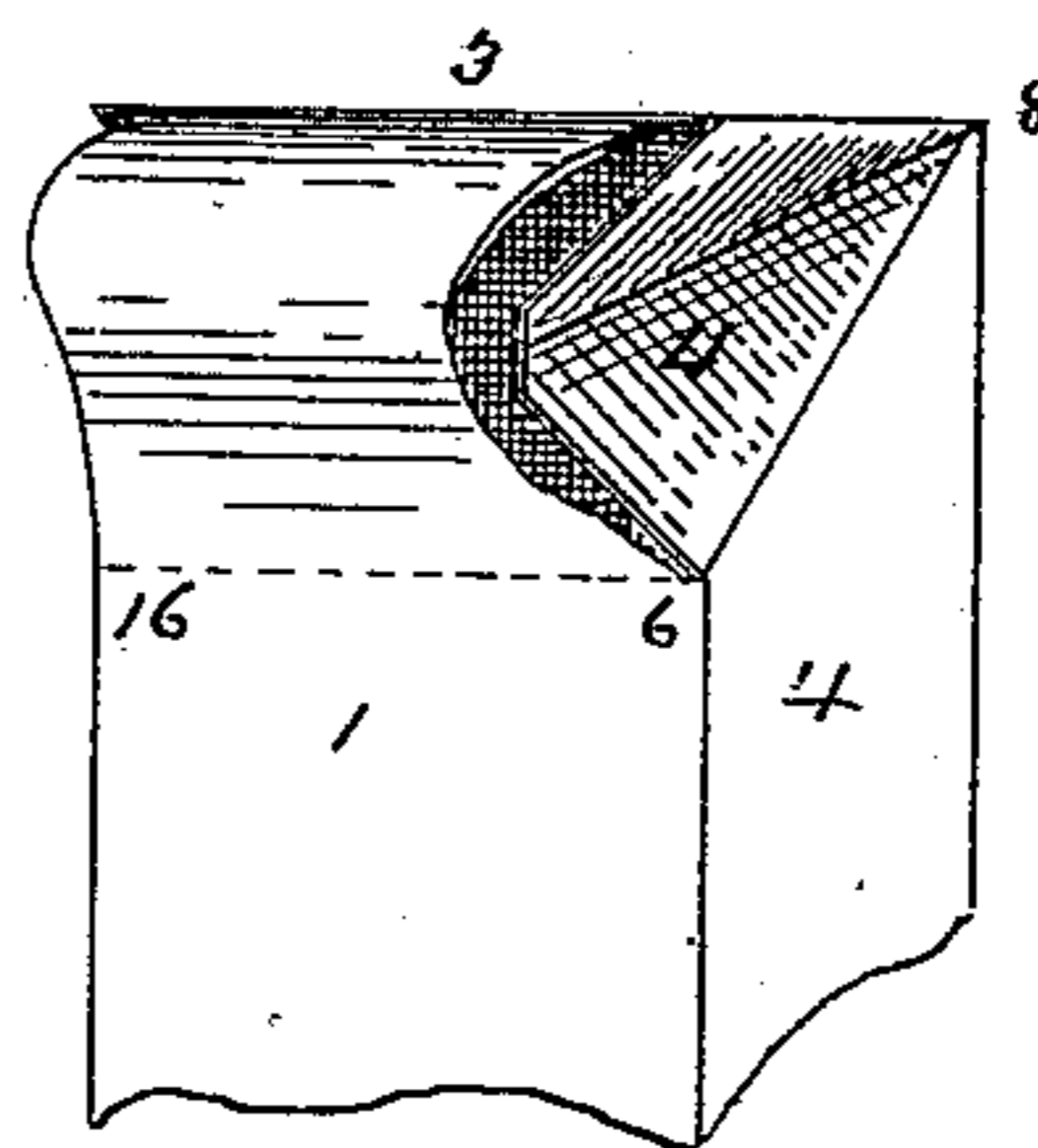
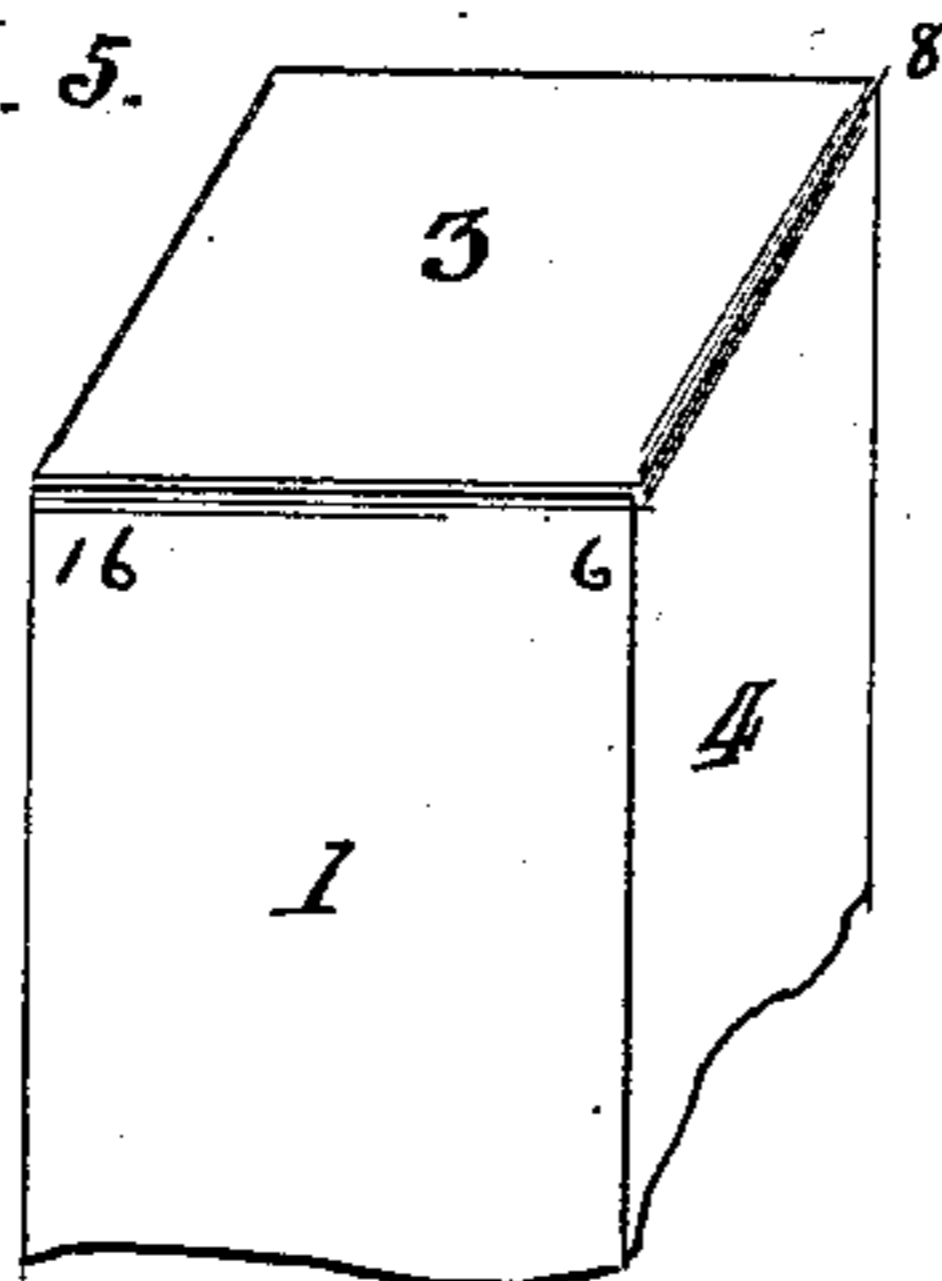


Fig. 4.

Witnesses:

E. W. Stuart
G. H. Timmons

Fig. 5.



Inventor:

Albert C. Lohmann,

by *C. P. Humphrey*

Attorney.

UNITED STATES PATENT OFFICE.

ALBERT C. LOHMANN, OF AKRON, OHIO.

PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 349,165, dated September 14, 1886.

Application filed July 23, 1886. Serial No. 208,848. (No model.)

To all whom it may concern:

Be it known that I, ALBERT C. LOHMANN, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a new and useful Improvement in Paper Packing-Boxes, of which the following is a specification.

My invention has relation to that class of paper packing-cases used for holding small quantities of material—such as starch, oat-meal, &c.—in which the body consists of a pasted polygonal tube, the ends of which are so folded as to be self-retaining without other fastening.

It consists in the construction and arrangement shown in the accompanying drawings, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 represents in outline a paper blank from which the case is formed, showing by dotted lines the location of the various folds; and Figs. 2, 3, 4, and 5 show in perspective the upper half of the case in successive stages of construction.

The blank, Fig. 1, is a single sheet of paper of such size, strength, and weight as the use to which it is to be applied requires, divided into five parallel panels, 1 2 3 4 5, by fold-lines 6 7, 8 9, 10 11, and 12 13, the panels 1 2 3 and the panels 2 4 being of the same size and constituting the sides of the box, as hereinafter described.

Fold-lines 15 16 and 17 18, parallel with the top and bottom of the blank and distant therefrom the width of the panels 2 4, indicate the top and bottom of the panels. From both top and bottom edge a cut is made in the lines 6 7 12 13 to the lines 15 16 and 17 18, respectively. The outer corners of the panels 2 4 are cut off diagonally, and the upper and lower ends of the panel 1 are slightly tapered from the lines 15 16 17 18, respectively. Diagonal fold-lines extend in the upper and lower ends of the panels 2 4 from the points 8 10 9 11 to their outer opposite corners. The blank is then turned into a square tube and the panel 1

pasted accurately upon the panel 5, between lines 15 16 17 18, as shown in Fig. 2. The upper and lower ends of panel 5 are then bent inward at a right angle, and accurately fit and fill the space between the panels 2, 3, 4, and 5, and constitute ends for the case, as shown in Fig. 3, a part of the end of panel 1 being cut away to show the operation. The upper end of the panel 3 is then bent inward, the ends of the panels 2 and 4 folded inward on the diagonal lines, and the end of the panel 1 inserted between their upper halves and the panel 3, as shown in Fig. 4. These parts are then forced together until they are closely folded and lie flat, and thereby form a lock and protection for the ends of the panel 5, already folded inward, as shown in Fig. 5. Thus formed, the ends are self-retaining, and, with the ends of the panel 3, prevent leakage of finely-powdered articles.

I claim—

A packing-case consisting of a single sheet of material divided by fold-lines into five parallel panels, and having transverse fold-lines the width of the second panel from their ends, the first and second and fourth and fifth panels cut apart outside of the transverse, with the ends of the first panel tapered, and the outer corners of the ends of the panels 2 and 5 nearest the first and fifth panels cut off, the first panel being placed upon and united with the fifth between the transverse lines, the ends of the fifth bent inward, the ends of the third bent inward, the ends of the second and fourth folded inward on diagonal lines from the corners nearest the third, and the ends of the first inserted between the third and the upper folds of the second and fourth, substantially as shown, and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of June, A. D. 1886.

ALBERT C. LOHMANN.

Witnesses:

CHARLES BEYER,
GEO. E. WILLIAMS.