

CHAUNCEY O. CROSBY.

Improvement in the Construction of Packages of Pins.

No. 121,491.

Patented Dec. 5, 1871.

fig. 1.

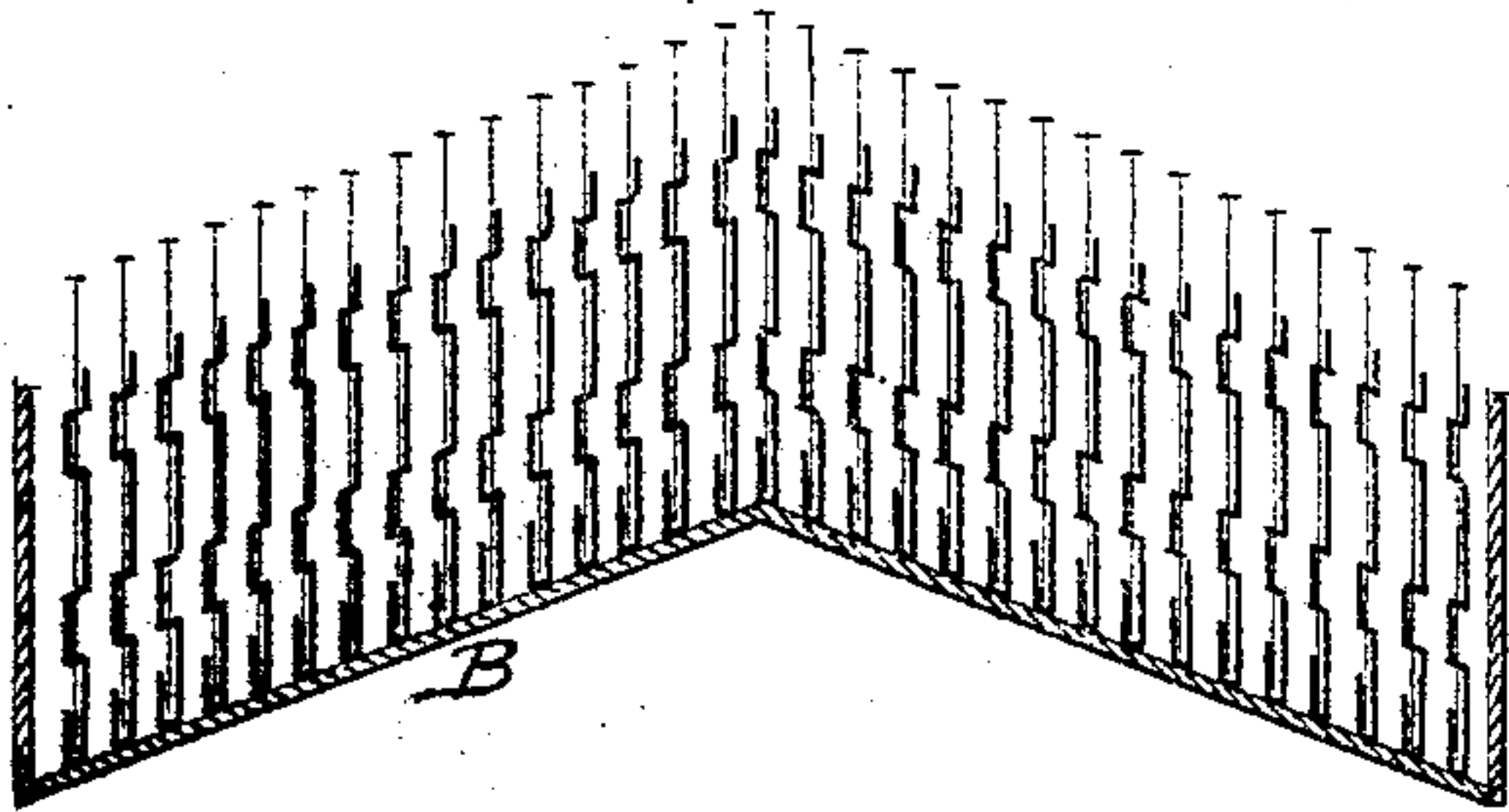


fig. 2.

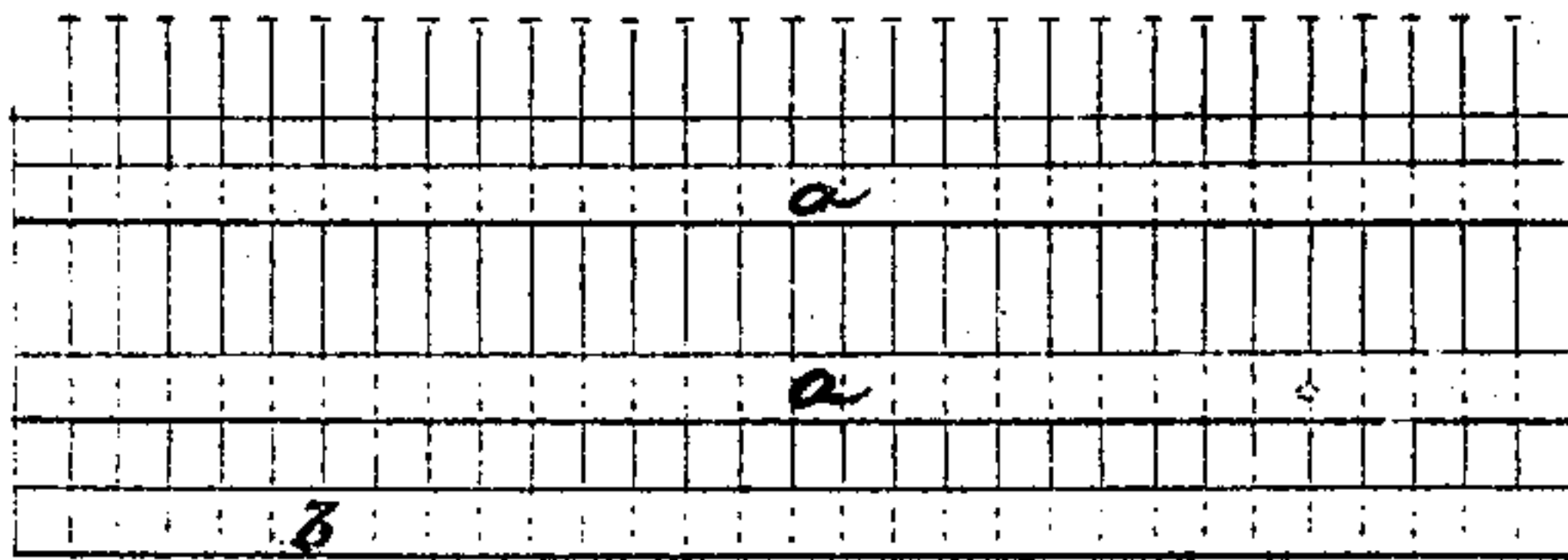


fig. 3.

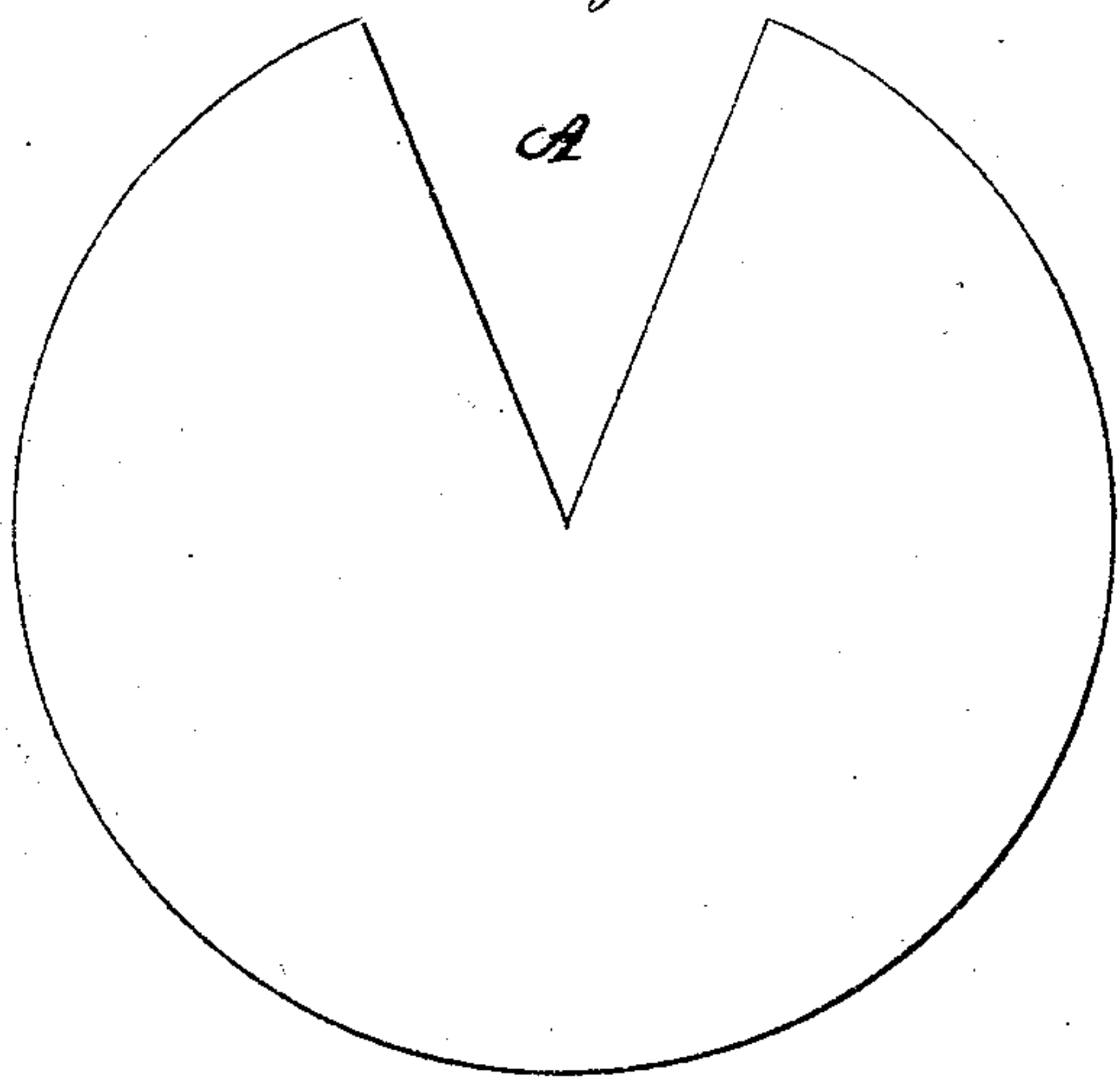


fig. 5.

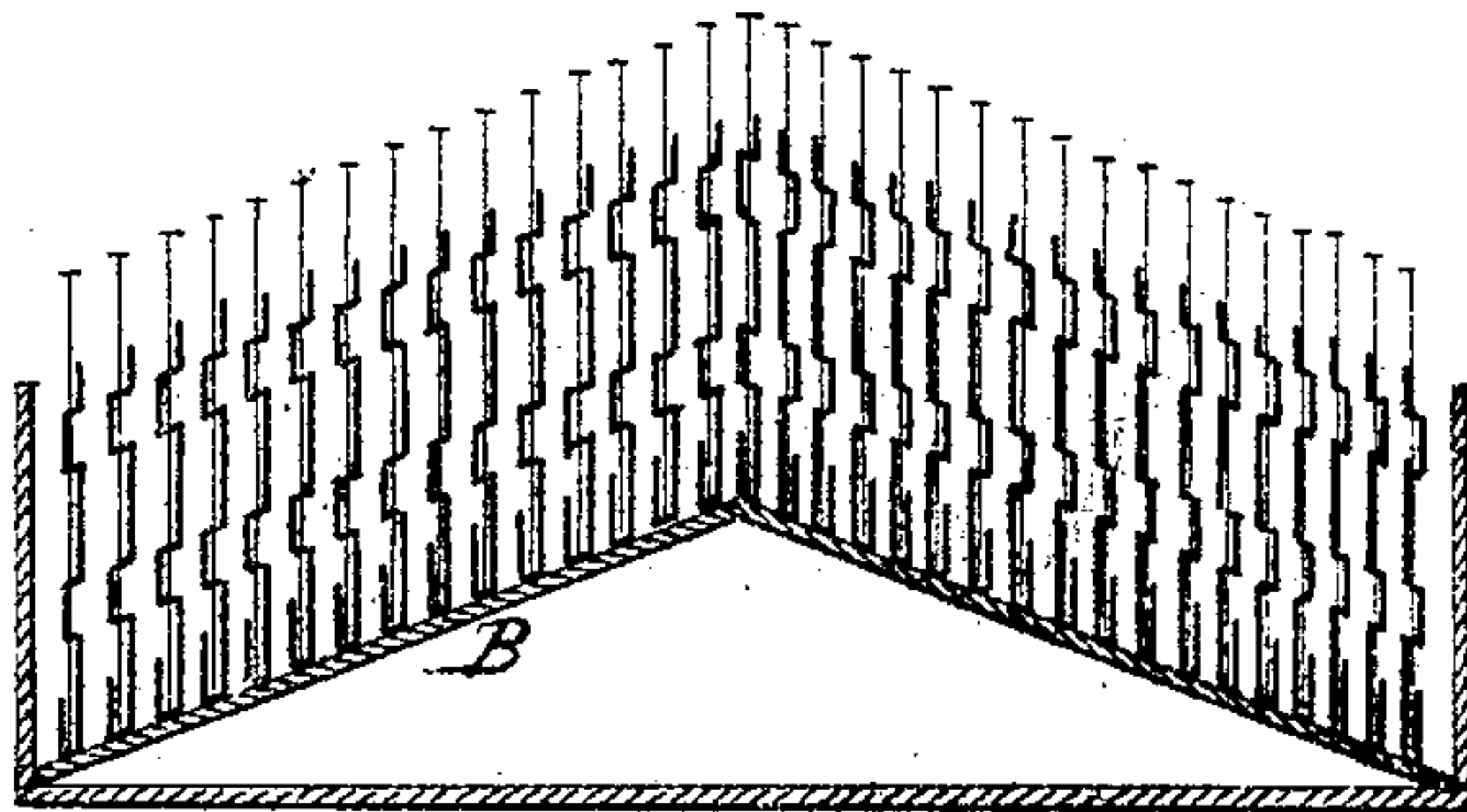
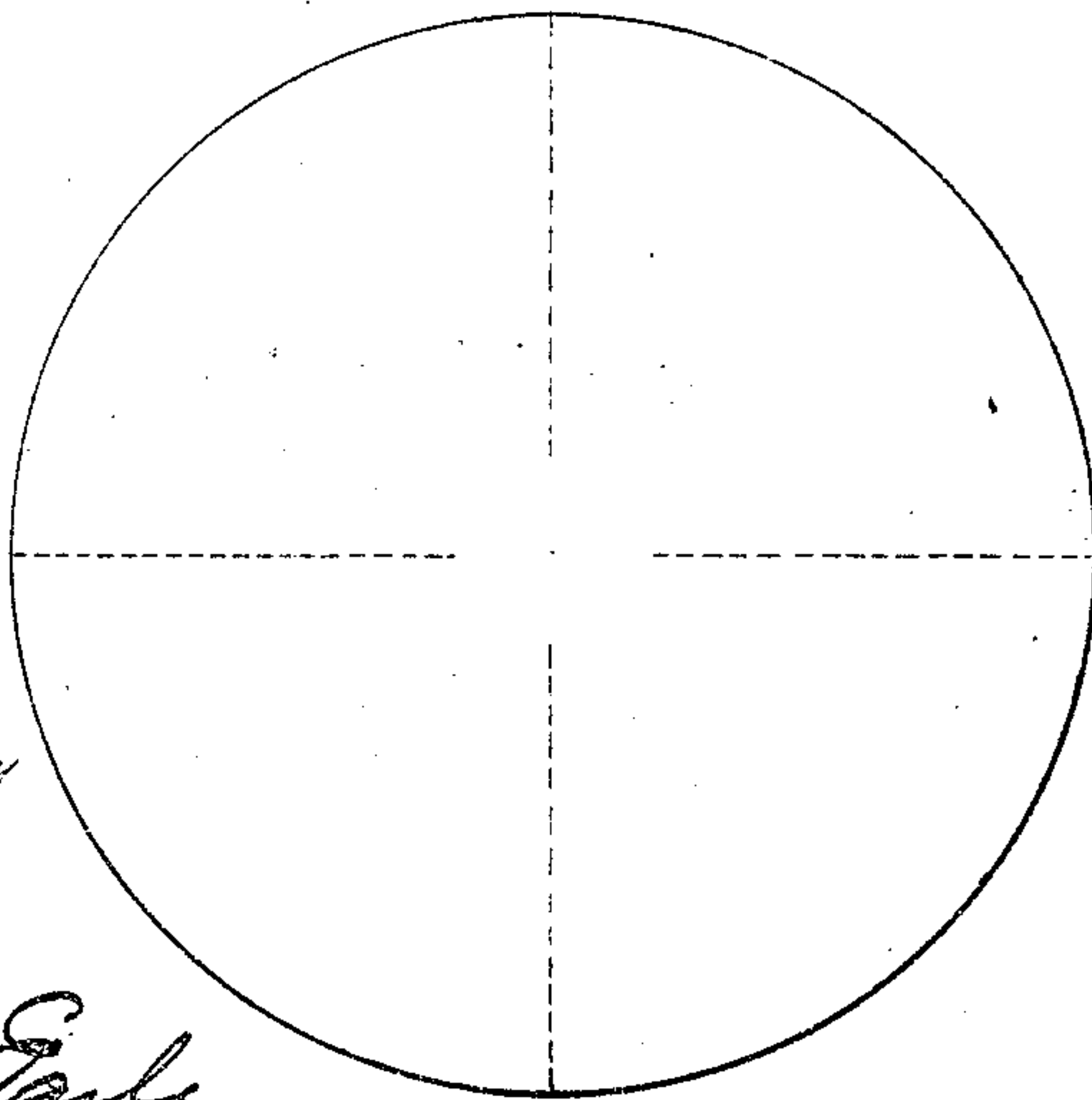


fig. 4.



Fig. 6



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UNITED STATES PATENT OFFICE.

CHAUNCY O. CROSBY, OF MILFORD, CONNECTICUT.

IMPROVEMENT IN THE CONSTRUCTION OF PACKAGES OF PINS.

Specification forming part of Letters Patent No. 121,491, dated December 5, 1871.

To all whom it may concern:

Be it known that I, CHAUNCY O. CROSBY, of Milford, in the county of New Haven and State of Connecticut, have invented a new Improvement in Packaging Pins; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification and represents, in—

Figure 1, a vertical central section; Fig. 2, a portion of the strip preparatory to winding; Fig. 3, a diagram of the base or bottom; Fig. 4, a transverse section of Fig. 2; Fig. 5, a vertical central section as in Fig. 1, set into a box; and in Fig. 6, a modification of the base shown in Fig. 3.

This invention relates to an improvement in the manner of arranging pins for use; the object chiefly being the arrangement of the pins in the form of a cushion, such form being convenient for toilet or office purposes; and it consists in the winding or folding the strip so prepared as to raise the mass from the outside toward the center—that is, so that the upper surface or the heads will present a conical form, whereby each successive row of pins in a mass will be elevated above the next outside row.

For sticking the pins I prefer the device of which I filed my application for Letters Patent the 21st of the present month; but this may be done in other sticking-machines.

The strip of material into which the pins are to be stuck is crimped longitudinally at *a a*, (see Figs. 2 and 4,) and through these crimps the pins are stuck, the strip being of sufficient width to be turned up over the points, as at *b*, Figs. 2 and 4, the points of the pins setting down onto the material thus turned up, and are thus supported in the same relative position to each other throughout the strip. After the strip has been thus stuck and prepared I wind or coil it and raise the center, as denoted in Figs. 1 and 5, bringing the heads into a conical form—that is, so that each successive coil from the outside rises toward the center. To secure in this position I, during the process of winding or subsequently, apply a suit-

able adhesive material to the lower edge, or instead of the adhesive material I cut a disk from card-board or other suitable material, as seen in Fig. 3, cutting out a portion as at *A*, draw the two edges together, which brings it into a conical form corresponding to that of the package; and this I arrange and secure upon the under side, as at *B*, as seen in Figs. 1 and 5. This disk may form the bottom of a box, within which the wound strip is set, as seen in Fig. 1; or a disk attached directly to the pins may be set into an independent box, as seen in Fig. 5. Instead of cutting a piece from the disk, as seen in Fig. 3, the disk may be slitted, as denoted in broken lines, Fig. 6, and the edges of the slits drawn one over the other to contract the circumference and raise the center; or the conical form may be given by any other known means.

The advantage of this construction over the patent that was granted to me July 8, 1851, consists in—that in the present invention the cushion or package remains firm, even after all the pins are removed, in consequence of the support given by securing the pins at the point, as before described, and the conical form preserved; whereas in my former patent as soon as a few of the pins were removed it would lose its convexity and become inconvenient for use and the pins liable to fall out; and further, by folding the lower edge of the strip over, the points cannot be pressed downward so as to render it inconvenient to take them out for use.

I do not wish to be understood as claiming the sticking of pins upon a continual strip; neither the coiling of such a strip into the form of a cushion, as such is found in my patent before referred to; but

I do claim—

A package of pins formed by coiling, winding, or folding a strip of material previously stuck in the manner described, and having the lower edge of the strip turned over the points, when the said package is constructed and secured in form substantially in the manner described.

Witnesses: CHAUNCY O. CROSBY.

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