W. LEWIS.

Device for Folding Cotton Batting or Wadding.

No. 204,058. Patented May 21, 1878.

Fig. 1.

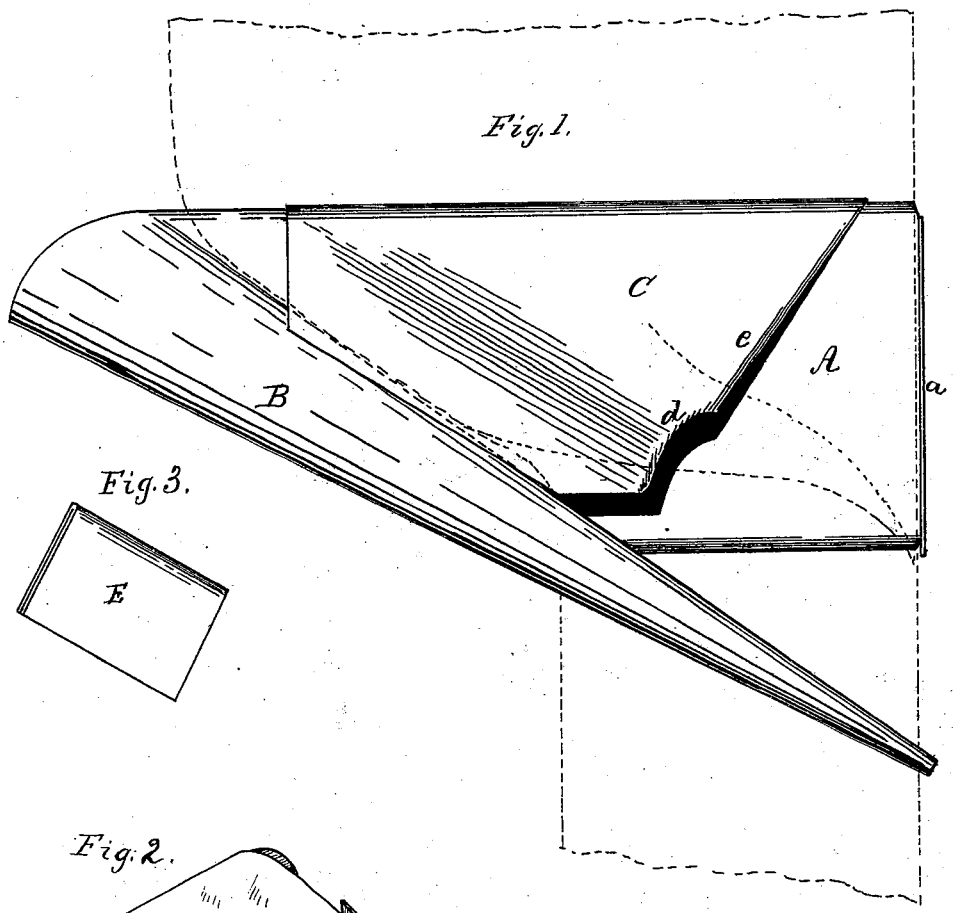
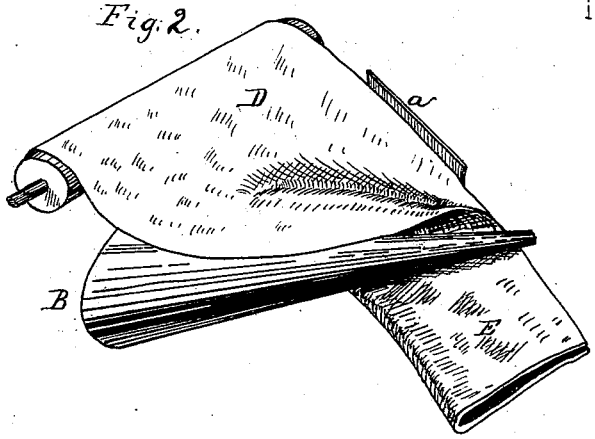


Fig. 3.

Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLARD LEWIS, OF WALPOLE, MASSACHUSETTS.

IMPROVEMENT IN DEVICES FOR FOLDING COTTON BATTING OR WADDING.

Specification forming part of Letters Patent No. **204,058**, dated May 21, 1878; application filed January 30, 1878.

To all whom it may concern:

Be it known that I, WILLARD LEWIS, of Walpole, in the county of Norfolk and State of Massachusetts, have invented an Improvement in Devices for Folding Cotton Batting or Wadding, of which the following is a specification:

My invention relates to an improvement in the method of folding cotton batting or wadding as it passes from the carding-machine, so as to render it convenient for packing and transportation; and the invention consists in the employment of a curved or conically-shaped guide, connected with table or plate, in combination with an adjustable plate or guide, so arranged and operating that as the continuous sheet of wadding or batting passes upon the device it will be turned over and folded at the center longitudinally, so as to form a single fold.

Referring to the drawings, Figure 1 represents a plan view of my device. Fig. 2 shows the sheet or batting in the operation of folding, and Fig. 3 is a view of the cotton batting when folded.

A represents a plate or support, made, preferably, of sheet metal and square at one end, which has a turned-up edge, as shown at *a*, Fig. 2, acting as a guide to one edge of the batting. Attached diagonally to the opposite end of the plate A is a curved or conically-shaped guide or horn, B, its outer end extending to a point on a line, or nearly so, with the turned-up edge *a* of the plate A.

Attached to the upper edge of the plate A, and so as to be allowed to move lengthwise of the same, is a plate or guide, C, having its lower edge parallel, or nearly so, with the general direction of the horn B. The plate C is somewhat of a triangular shape, and its third edge extends diagonally across the plate A. Near the lower portion of the edge the plate is curved, as shown at *d*, and the portion of the edge above the curve *d* is bent downward, so as to form a smooth edge for the passage of the batting.

The plate C admits of being adjusted upon the plate A, so that by setting the folding-edge of plate C nearer to or farther from the outer edge *a* of plate A a wider or narrower sheet of batting can be folded, as desired.

The device may be attached to any suitable frame, so connected with a carding-machine as to admit of the sheet of batting being fed directly to the device.

In operation, the sheet of batting, in its full width, passes upon the plate A, one edge being guided by the turned-up portion *a* of plate A. The opposite edge, by the combined action of the plate or guide C and the horn B, is turned over so as to fold at the center, as shown in Fig. 2, the two edges of the batting coming into line with each other and forming a compact fold, as shown at E.

What I claim as my invention is—

1. A device for folding cotton batting or wadding, consisting of a plate, A, conical or curved guide B, and a plate or guide, C, substantially as set forth.

2. The combination, with the plate A and guide B, of the adjustable guide or plate C, as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLARD LEWIS.

Witnesses:
J. H. ADAMS,
F. H. ADAMS.