

W. D. WOODRUFF.
Packing-Boxes.

No. 147,086.

Patented Feb. 3, 1874.

Fig. 1.

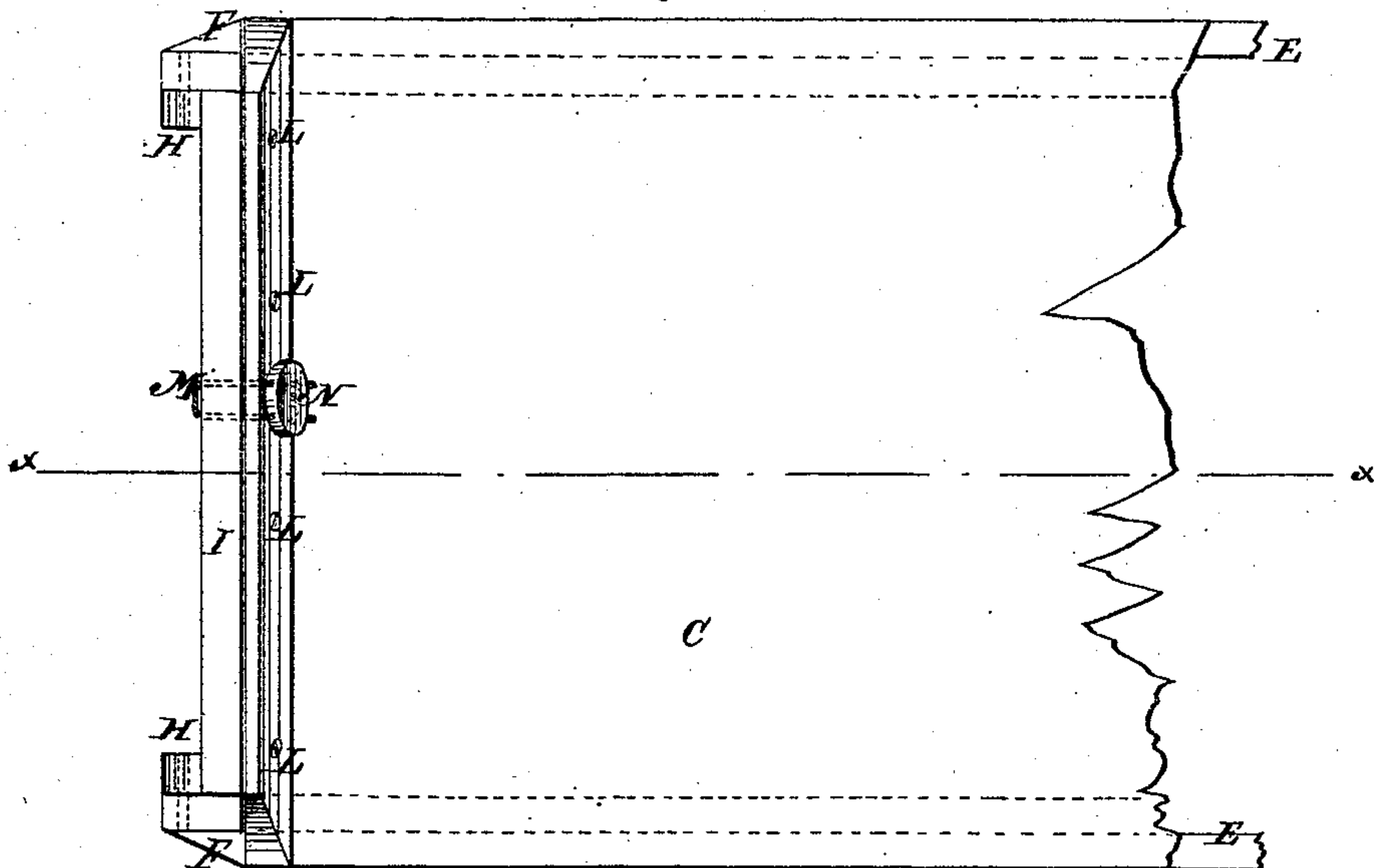


Fig. 2.

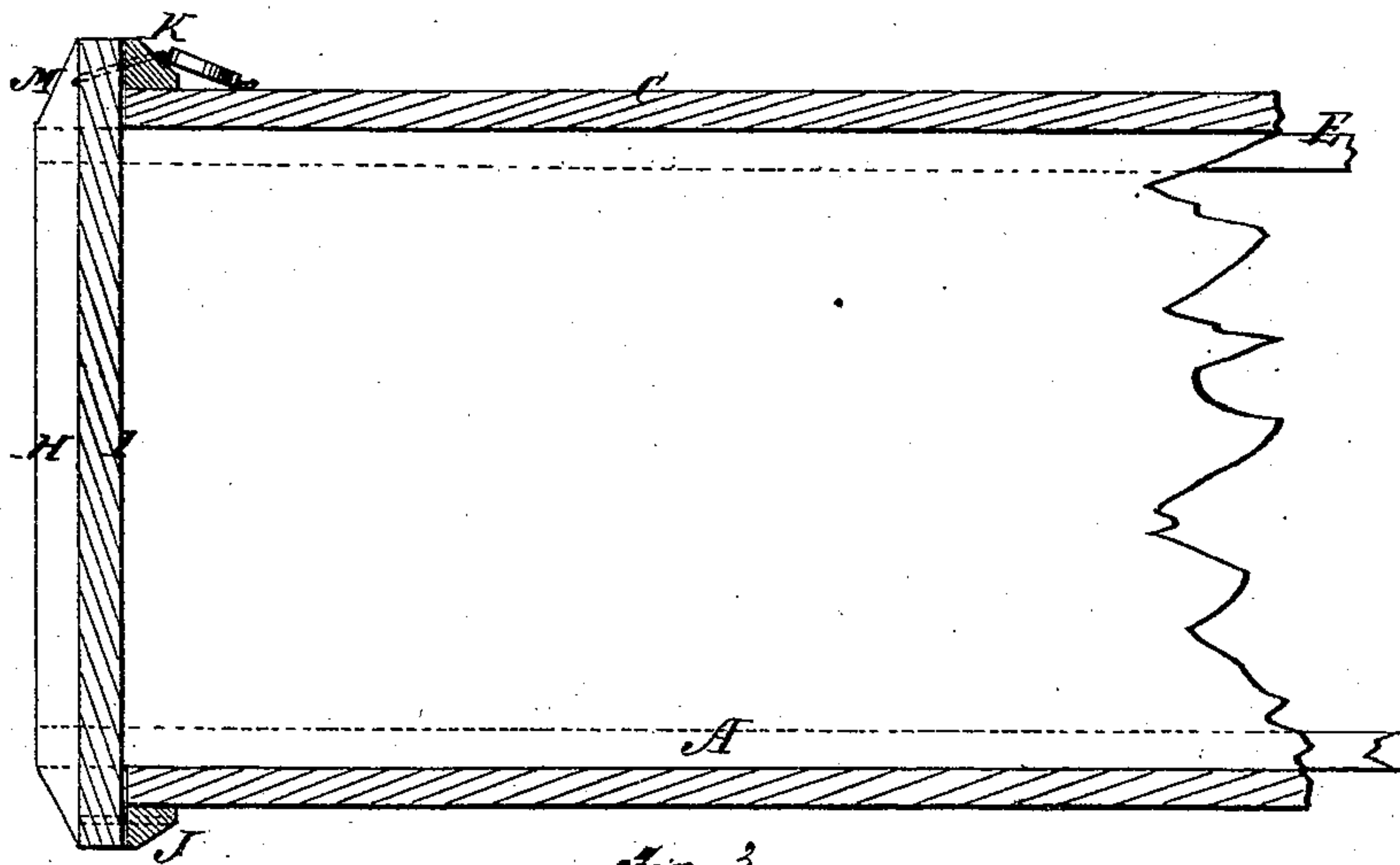
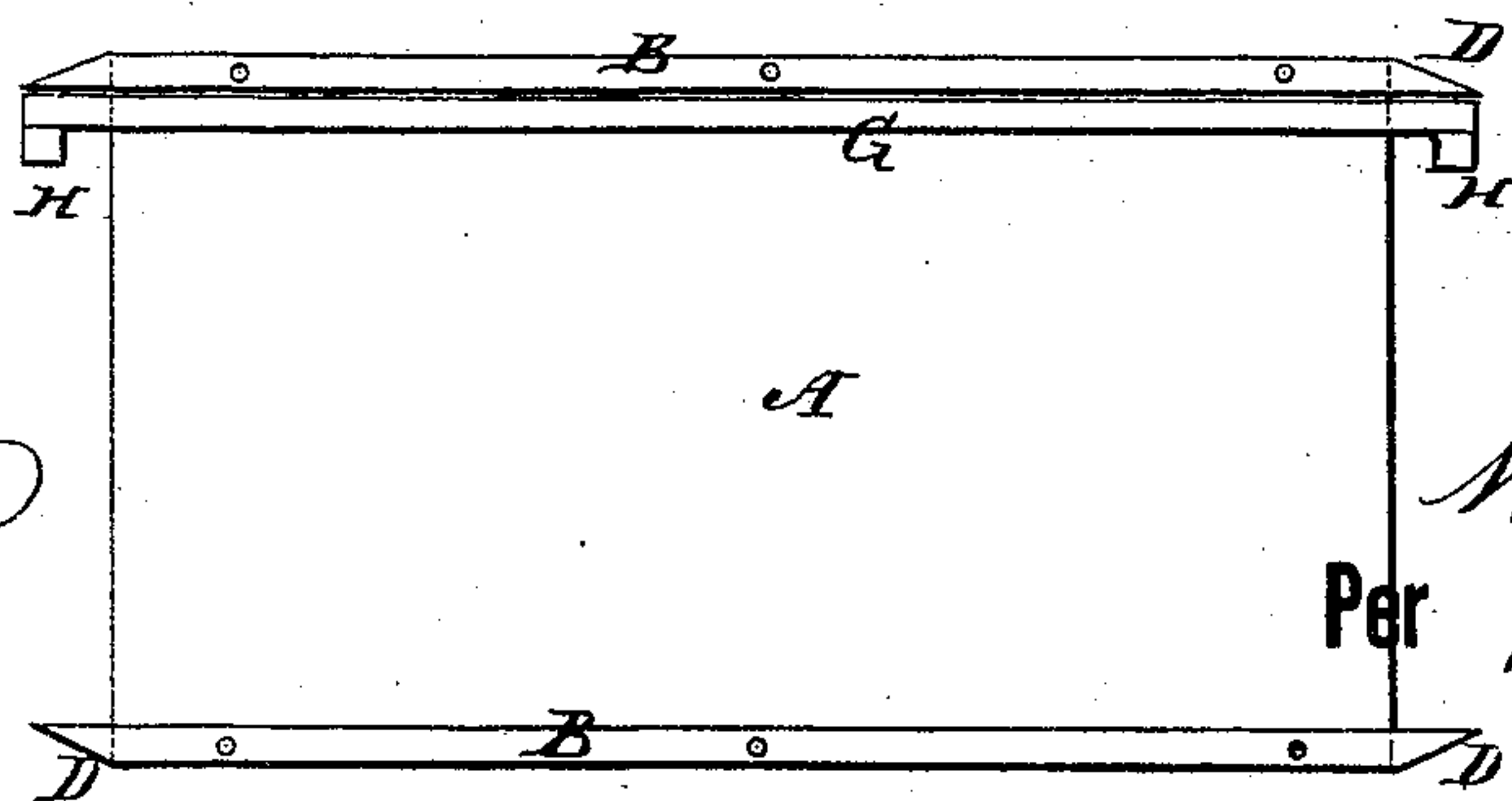


Fig. 3.



Witnesses.

Chas. Mac
Cugino

Inventor.

W. D. Woodruff

Per

Munnell

Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM D. WOODRUFF, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN PACKING-BOXES.

Specification forming part of Letters Patent No. **147,086**, dated February 3, 1874; application filed September 13, 1873.

To all whom it may concern:

Be it known that I, WILLIAM D. WOODRUFF, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and Improved Knock-Down Packing-Box, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a plan view of a portion of a box constructed according to my improvement. Fig. 2 is a longitudinal sectional elevation of Fig. 1 on the line *x x*, and Fig. 3 is a top view of one of the sides and the bottom of the box.

A represents the bottom, which has cleats B fastened upon the upper side along the edges, and projecting at the ends D. C is the top of the box, which has similar cleats E on the under side along the edges, and projecting at the ends F. G represents the side pieces, which extend beyond the ends of the top and bottom boards as far as cleats D and E do, and they have a cleat, H, extending across the inside at each end. I represents the end boards, which have a cleat, J, at the lower end, extending across the inside. K represents binding-cleats for the top, to be used for fastening the box together.

To set up the box, the bottom is laid at the ends on the cleats J of the end pieces, which are set upright; the side pieces B are then laid at their lower edges on the bottom A, between

the edges of the end pieces and cleats B. Then, after fitting the box, the top is laid on between the upper projecting ends of the end boards I, with its cleats E outside of and confining the upper edges of the side boards; then the cleats K are put on between the upper ends of the end pieces and the upper side of the top C, and fastened by screws L, screwed obliquely into the end pieces.

To take it apart after unpacking it, the screws L are taken out, after which all the parts can be readily separated and packed away in a small pile.

The method of sealing the box consists in inserting a wire staple, M, through holes prepared in the upper end of one or both of the end pieces of the box and the cleat, and securing a lead, wax, or other seal, N, on the projecting ends of the wire.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of the top and bottom boards C A, having cleats D E projecting at the ends, the end boards I, having a cleat, J, at the lower ends, and the binding-cleats K, substantially as specified.

WILLIAM D. WOODRUFF.

Witnesses:

JOS. CLEMENT,
JAMES T. LEE.