

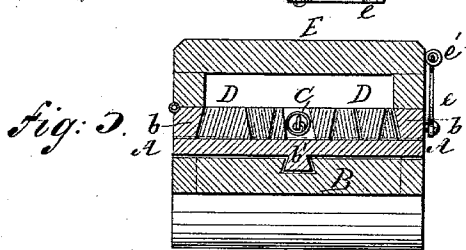
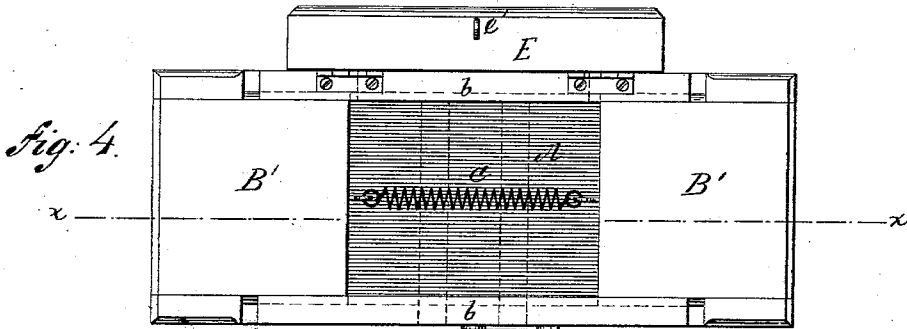
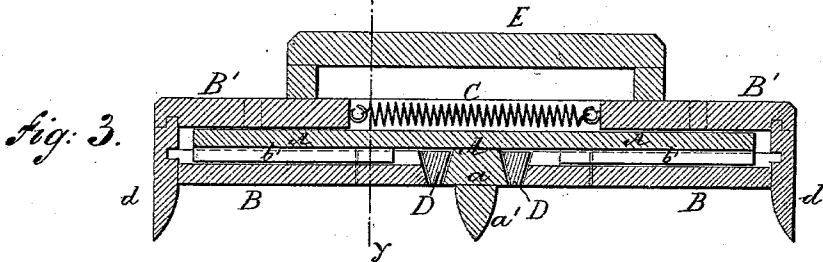
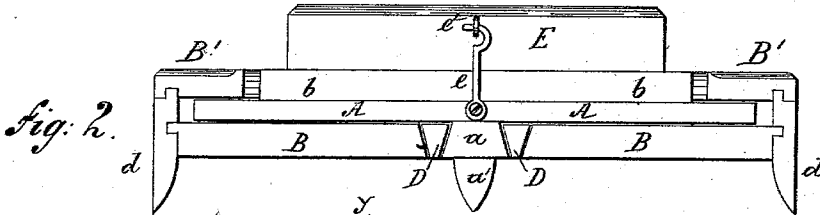
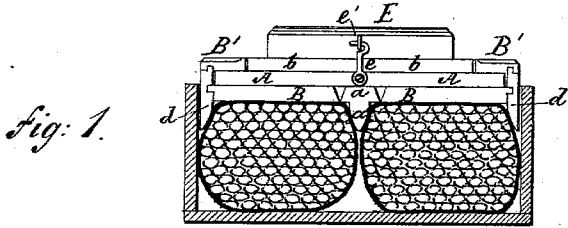
(No Model.)

C. LORENZ.

PRESS BOARD FOR CIGAR BOXES.

No. 331,510.

Patented Dec. 1, 1885.



WITNESSES  
*A. Scheel*  
*Martin Petry.*

INVENTOR  
*Conrad Lorenz*  
By his Attorneys  
*Geibel & Reesner*

# UNITED STATES PATENT OFFICE.

CONRAD LORENZ, OF NEW YORK, N. Y.

## PRESS-BOARD FOR CIGAR-BOXES.

SPECIFICATION forming part of Letters Patent No. 331,510, dated December 1, 1885.

Application filed April 4, 1885. Serial No. 161,185. (No model.)

*To all whom it may concern:*

Be it known that I, CONRAD LORENZ, of the city, county, and State of New York, have invented certain new and useful Improvements in Press-Boards for Cigar-Boxes, of which the following is a specification.

This invention has reference to an improved press-board for cigar-boxes, which can be adjusted to any length of box, so as to be conveniently used by cigar-packers in packing cigars, in place of the different sizes of press-boards heretofore in use.

The invention consists of a press-board for cigar-boxes, formed of a main piece having a central transverse bottom strip, and of adjustable extension-pieces having transverse end strips which are straight at their outer and tapering at their inner sides. Between the adjustable extension-pieces of the press-board and the main piece are interposed dovetailed strips of different widths, according to the length to which the press-board is to be extended. The detachable strips are stored away in a box-shaped receptacle formed by the main pieces and extension-pieces, and inclosed by a hinged cover that is attached by locking devices to the main piece.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of a cigar-box, with my improved press-board shown in position in the box. Fig. 2 is a side elevation of my improved press-board, shown partly extended. Fig. 3 is a vertical longitudinal section on line *x x*, Fig. 4; Fig. 4, a plan with the hinged cover in open position; and Fig. 5 is a vertical transverse section on line *y y*, Fig. 3.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the main piece and B B the extension-pieces of my improved press-board for cigar-boxes. The main piece A is provided at its under side with a fixed central transverse strip, *a*, that is beveled at both sides and provided with a downwardly-extending tapering piece, *a'*, which latter separates the cigar-bundles, as shown in Fig. 1. The extension-pieces B B are guided by shorter top pieces, B' B', along beveled side strips, *b b*, at the top, and central grooves along central dovetail guide-rails, *b'*,

at the under side of the main piece A. The extension-pieces B B are provided with downwardly-projecting transverse end strips, *d d*, which are made tapering at their inner sides and straight at their outer sides, so as to fit snugly into the cigar-boxes. The top pieces, B', of the extension-pieces B B are connected by a strong spiral spring, C, which is attached to eyes of the top pieces, B'. The inner edges of the extension-pieces B B are made beveled, for the purpose of inserting between them and the beveled sides of the strip *a* interchangeable strips D D of dovetail shape and different widths, according to the length to which the press-board is to be adjusted. By providing a number of dovetailed strips D D the extension-pieces B B can be adjusted to any length of cigar-box, from the shortest to the longest, by simply pulling the extension-pieces in outward direction against the tension of the spring C and inserting strips D D of the required thickness between the inner ends of the extension-pieces and the transverse bottom strip, *a*.

After use the detachable strips D D are stored away between the upper parts, B' B', of the extensions B B and the side strips, *b b*, of the main piece A, and then covered by a hinged cover, E, which is locked to the main piece A by a hook and eye, *e e'*, or other fastening device. When the press-board has been adjusted to the proper length of cigar-box and placed on the cigar-bundles in the same, as shown in Fig. 1, the box is placed with the press-board in the usual manner into a press, and the press-board pressed down on the cigars until the required degree of compression is obtained. The press-board is then removed and placed on the next box, and so on.

As the width of the press-board remains the same for all sizes of boxes, the press-board requires only to be adjusted in longitudinal direction, as the pressure has to be exerted on the middle thicker portion of the cigar-bundles, so as to reduce them sufficiently in size to fit into the box.

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

1. The combination of a main piece having a central transverse bottom strip, adjustable extension-pieces having end strips, and

interchangeable strips interposed between the main piece and extension-pieces to regulate the length of the press-board, substantially as set forth.

5 2. The combination of a main piece having a transverse central bottom strip, adjustable extension-pieces guided on the main piece and having transverse end strips and a spiral spring connecting the extension-pieces, sub-  
10 stantially as set forth.

3. The combination of a main piece having a central transverse bottom strip, adjustable extension-pieces guided on said main piece, and provided with transverse end strips be-  
15 veled at their inner sides, a spiral spring connecting the inner ends of the extension-pieces, and interchangeable strips interposed between the main and extension pieces, substantially  
20 as set forth.

4. The combination of a main piece, adjust-  
able extension-pieces guided on the main  
piece, interchangeable strips interposed be-

tween the main and extension pieces, and a cover hinged to the main piece and inclosing a storage-space between the main and exten- 25  
sion pieces for the interchangeable strips, substantially as set forth.

5. The combination of a main piece, A, hav-  
ing guide-strips *b b'*, and a central transverse  
bottom-strip, *aa'*, adjustable extension-pieces B 30  
B, having top pieces, B' B', and end strips, *dd'*,  
spiral spring C, connecting the top pieces, B'  
B', and interchangeable strips D D, that are  
interposed between the transverse strip *a* and  
the extension-pieces B B, substantially as set 35  
forth.

In testimony that I claim the foregoing as  
my invention I have signed my name in pres-  
ence of two subscribing witnesses.

CONRAD LORENZ.

Witnesses:

PAUL GOEPEL,  
SIDNEY MANN.