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PATENTED MAY 17, 1904.

C. A. LEE.
APPARATUS FOR STUFFING CUSHIONS.

APPLICATION FILED NOV. 18, 1901.

NO MODEL.

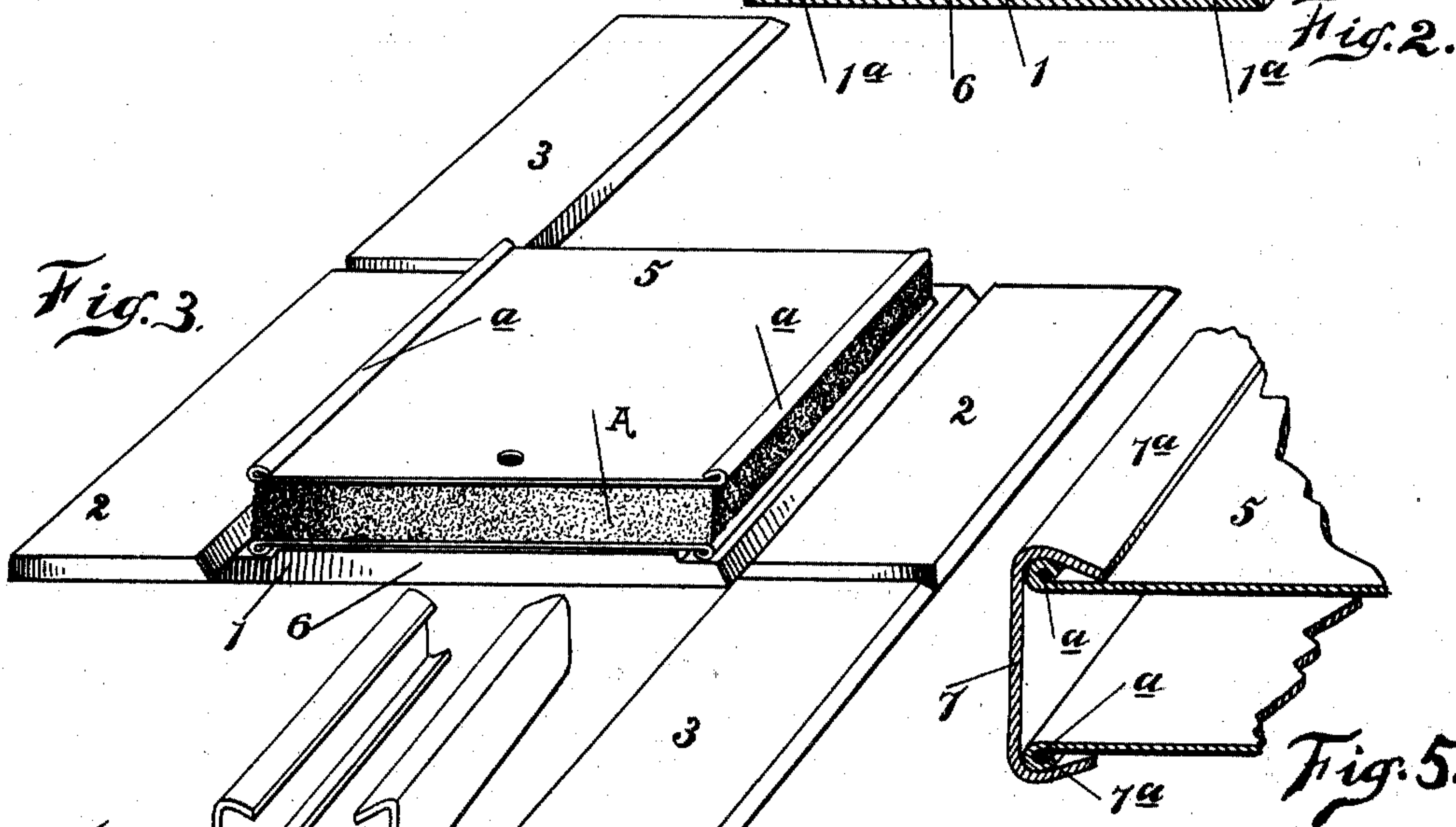
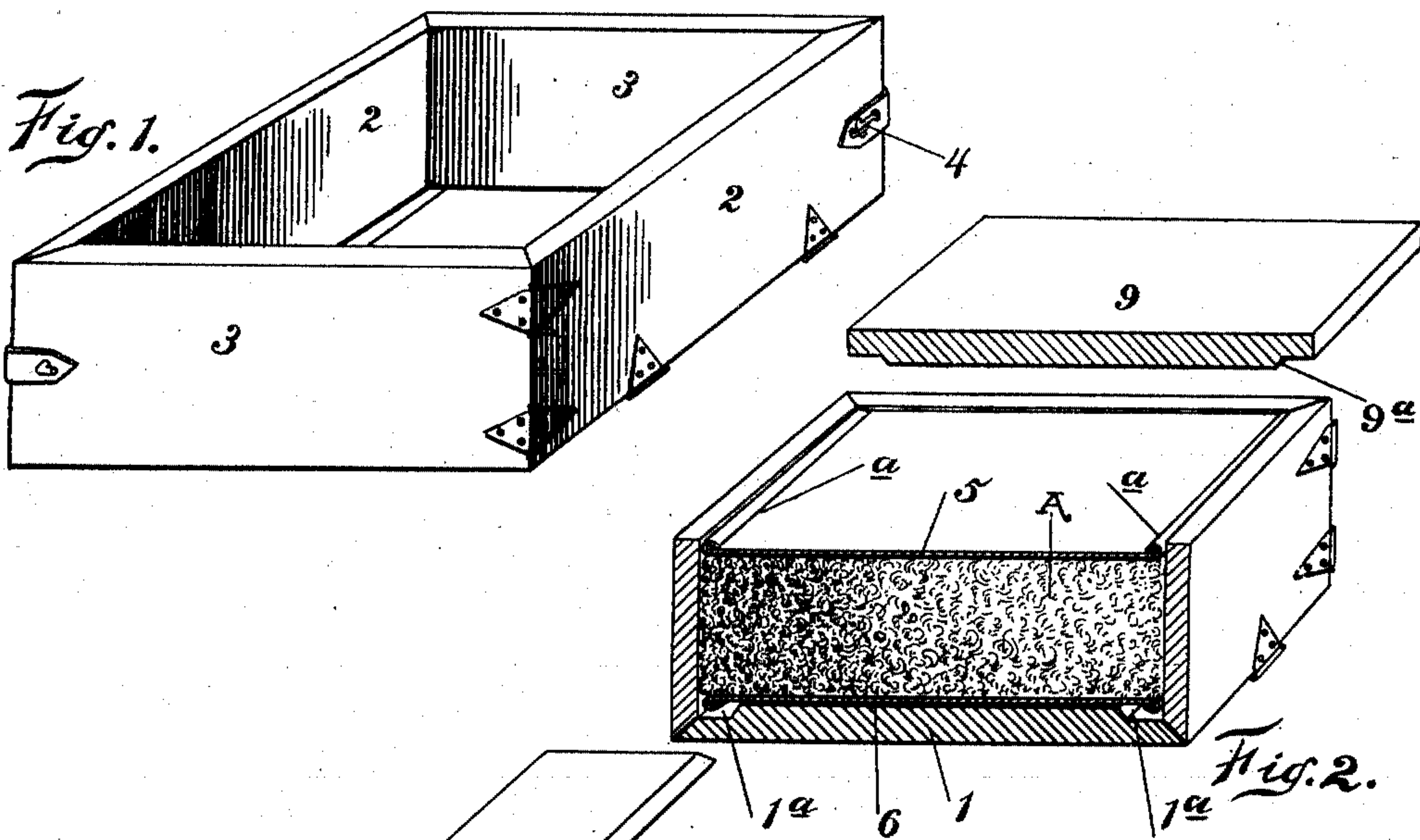


Fig. 4.
Witnesses.
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APPARATUS FOR STUFFING CUSHIONS.

SPECIFICATION forming part of Letters Patent No. 759,895, dated May 17, 1904.

Application filed November 18, 1901. Serial No. 82,675. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. LEE, of Oneida, in the county of Madison and State of New York, have invented certain new and useful Improvements in Apparatus for Stuffing Cushions; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form part of this specification.

The object of my invention is to provide an apparatus for stuffing cushions in which the filling can be evenly and uniformly disposed throughout the cushion and by means of which cushions may be expeditiously stuffed and a cushion produced of perfectly regular form and which the cushion will maintain.

In the drawings, Figure 1 shows a perspective view of the forming-receptacle employed. Fig. 2 shows a cross-section of the same in connection with the compression or holding plates filling between them and a section of the follower employed in compressing the filler. Fig. 3 shows the forming-receptacle with the sides opened or let down and the filling and holding plates in position thereon. Fig. 4 shows the side pieces, clamps, or holders for securing the holding-plates with the filling compressed between the same. Fig. 5 shows, on an enlarged scale, a section of the filling-case.

Referring to the reference letters and figures in a more particular description, 1 indicates the base or bottom of the forming-receptacle, which is provided at either side with longitudinal grooves 1^a 1^a.

2 2 are the sides, and 3 3 the ends, of the forming-receptacle, the said sides 2 being hinged to the base 1 and the ends 3 hinged to the sides 2, so that they may be opened in the form shown in Fig. 3. Upon opposite corners a clasp 4 may be provided for securing the sides and ends in position for use.

5 and 6 are the upper and lower plates or sides of the filling-case and are each provided with a roll or bead *a* along their edges. The edge walls or side pieces 7 are of a length

substantially to conform to the plates 5 and 6 and are provided with extended hook-flanges 7^a 7^a, which lock over the beads *a* and extend a considerable distance relatively beyond the bead toward the center line of the plate. 55

9 indicates a follower which is provided along its opposite edges with grooves or recesses 9^a, substantially as shown.

The operation of the device is substantially as follows: The forming-receptacle being closed up, as shown in Fig. 1, the lower plate 6 is placed in position therein with the beaded edges *a* turned downwardly and overhanging the groove 1^a in the base 1. The cushion-filling A is then placed therein. Ordinarily this will be done by first placing a layer of cotton or fine filling material, then a layer of jute or similar coarser filling material, and the courses will then be reversed, so that the last will be again one of cotton or fine filling material. The forming-receptacle being thus substantially filled with filling material, the plate 5 is applied with the beaded edges *a* outwardly and parallel with those of the base-plate 6. The follower 9 is then brought into position, and by means of a lever-press or any other suitable method the follower is forced down, compressing the filling *a* to the desired thickness, which will be somewhat less than that which it is ultimately to have in the cushion. In compressing the filling is prevented from escaping in any direction by the sides of the filling-receptacle. When the filling has been sufficiently compressed, the filling-receptacle sides are opened or turned down, as indicated in Fig. 3, and the side clamps 7 are applied, assuming the position shown in Fig. 5. When pressure is then relieved from the follower 9, the expansion of the filling separates the plates 5 and 6 until they are held by the side clamp-pieces 7. The follower then being removed, the stuffing-case, consisting of the plates 5 and 6 and the side clamps 7, is inserted in the cushion-covering, which is completely made, except as for one end, which is left open. When the filling-case has been inserted properly in the cushion-covering, the clamps 7 are successively removed by pulling them out of the case. Then the plates 5 and 100

6 are successively removed in like manner, leaving the filling within the case.

For convenience of illustration the device shown in the drawings is for a substantially square cushion. In practice, however, the cushions are usually long and narrow, in which case the forming-receptacle and cushion-casing are made accordingly and in which construction they usually appear to better advantage. When an elongated cushion device is employed, the side clamps 7 will extend, preferably, along the long side of the cushion instead of across the short end.

What I claim as new, and desire to secure by Letters Patent, is—

In an apparatus for stuffing cushions, the

combination of the forming-receptacle having collapsible sides and a take-down filling-receptacle consisting of upper and lower corresponding plates adapted to be received in said forming-receptacle having external beads along opposite edges and side plates having hooked edges to engage over said beads and removable by drawing them lengthwise from the side plates, substantially as set forth.

In witness whereof I have affixed my signature, in presence of two witnesses, this 31st day of October, 1901.

CHAS. A. LEE.

Witnesses:

ANNA L. GRIFFITH,
F. J. SKELTON.