R. T. Barton.

Paper Box Mach

No. 59944. Patented Nov. 27. 1866

Fig. 1.

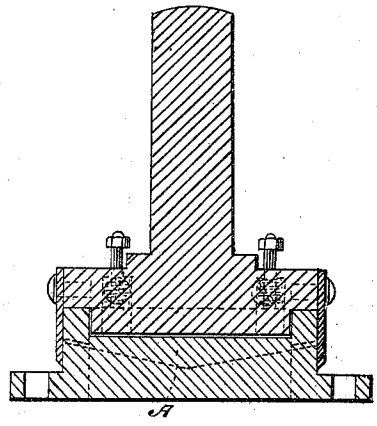


Fig. 2.

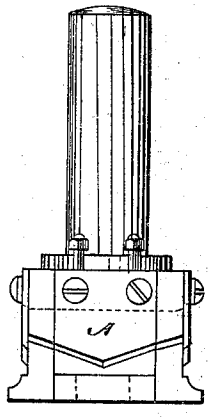


Fig. 3.

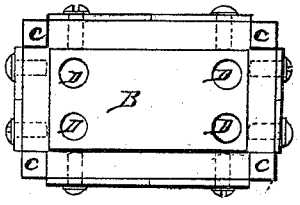


Fig. 4.

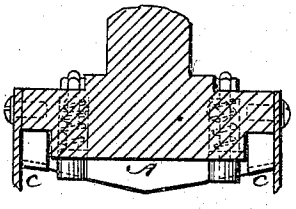


Fig. 5

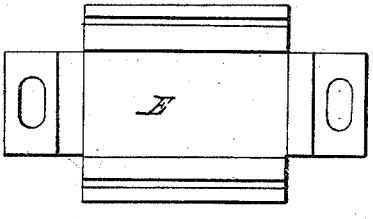
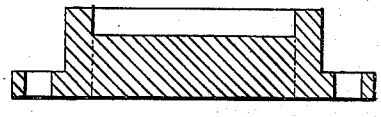
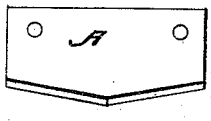
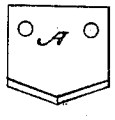


Fig. 6.

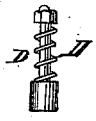












Witnesses.

W. M. Lamprey

Thos. Higgins

Inventor:

Richard T. Barton

United States Patent Office.

APPARATUS FOR MAKING PAPER BOXES.

RICHARD T. BARTON, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 59,944, *dated November* 27, 1866.

SPECIFICATION.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, RICHARD T. BARTON, of the city of New Haven, in the county of New Haven, and State of Connecticut, have invented a new and improved Machine for Cutting and Moulding Paper, Tin, Zinc, and other Materials; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings forming a part of this specification, in which—

Figure 1 represents a longitudinal vertical section of my invention.

Figure 2 represents a perspective end view of the same.

Figure 3 represents a face view of the die reversed with corner punches.

Figure 4 represents a perspective view.

Figure 5 represents an internal view of the recess which receives the die.

Figure 6 represents the foundation for the recess.

Similar letters of reference indicate corresponding parts in the six views of the machine, which is to manufacture boxes of tin, paper, or other materials.

To enable those skilled in the art to make and use my invention, I will proceed to describe it with reference to the drawing.

This invention consists in an iron frame bolted on to a table or platform, from which arises the sides of the recess, E, which is a little wider at the bottom than at the top, so that when the paper or other material is cut or moulded it will leave the die, B, and fall from the recess. It also consists in the die or plunger, B, on which is fastened knives, A. The distance from the edge of the knives to the outer edge of the recess will be the depth of the box of tin or other material that will be formed. It consists also in four punches, C C C C, as shown in figs. 3 and 4, by which the four corners of the paper or other material will be cut at the same time as the paper or other material is cut to form the size of the box; the four corners being cut out, the die at the same time forms the box, by instantly turning up the four sides of the material of which it is made. A movable plate may be attached to the face of the die B by four bolts, the heads of which may be counter-sunk in the face of the die B, and round which bolts may be a spiral spring as shown in section D; this is intended to force the box when formed to leave the die with greater ease; but it is found to operate without the spring.

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

1. The formation of the recess E.
2. The arrangement of the knives A A A A.
3. The punches, C C C C, all in combination and constructed for the purposes herein specified.

RICHARD T. BARTON.

Witnesses:

T. M. SWAYNE,

THOS. DIGNUS.