

(No Model.)

E. T. BLAKE.
PAPER CLIP.

No. 501,863.

Patented July 18, 1893.

Fig. 1.

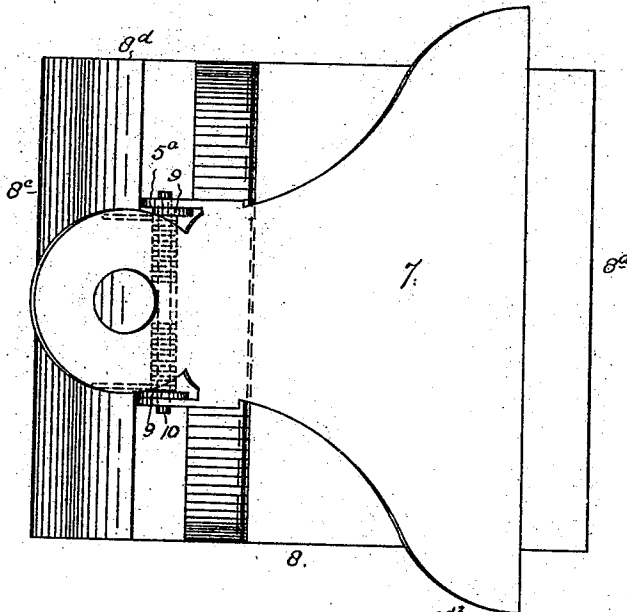
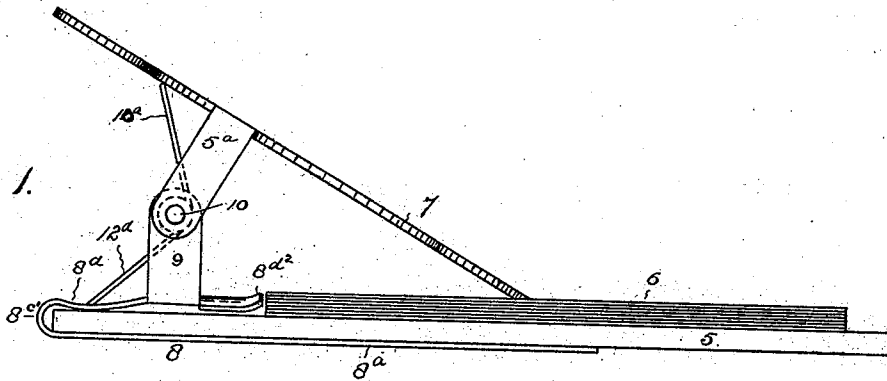


Fig. 2.

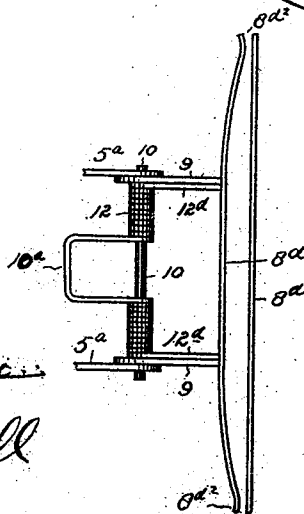


Fig. 3.

WITNESSES:

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EDWARD T. BLAKE, OF DENVER, COLORADO, ASSIGNOR OF ONE-HALF TO
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PAPER-CLIP.

SPECIFICATION forming part of Letters Patent No. 501,863, dated July 18, 1893.

Application filed March 8, 1893. Serial No. 465,196. (No model.)

To all whom it may concern:

Be it known that I, EDWARD T. BLAKE, a citizen of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Paper-Clips; and I do declare the following to be a full, clear, and exact description of the invention, such as 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 figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in paper clips of that class used in connection with a base generally composed of card board on which the papers to be held by the clip are supported.

The novelty of this improvement relates more particularly to the manner of applying the device to the card-board base whereby it not only holds the board securely in place, but is detachable at will.

My improved clip consists further of the features, hereinafter described and claimed, and the same will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a side elevation of the device attached to the card board base. Fig. 2 is a top or plan view of the same. Fig. 3 is a front view, the movable clip being broken away.

Similar reference characters indicating corresponding parts or elements of the mechanism in the several views, let the numeral 5 designate the card board base upon which are supported a number of sheets 6 held by the clip 7.

The base 8 of the device consists of a clamp which when slipped over the end of the card board grips the same automatically and tightly in the rear of the sheet pad 6. This clamping base 8 is composed of sheet metal and consists of the bottom plate 8^a which engages the under surface of the board 5 and may be of any desired length. This bottom plate projects upwardly as shown at 8^c and

back to form the top part 8^d which engages the upper surface of board 5 when the device is in place, the board being securely grasped between the parts 8^a and 8^d of the base.

Upon the part 8^d are formed two vertical projections 9 forming supporting legs for the clip 5 provided with hinges 5^a which are pivoted in the legs 9 by a spindle 10 which passes through coinciding apertures formed in said legs and hangers. These parts 9 are preferably integral with part 8^d and formed by cutting strips of suitable dimensions and then bending these strips upward to form the legs 9. The spindle 10 carries a coil spring 12, the extremities 12^a of which engage the top 8^d of the base while the central part is bent upward as shown at 10^a to engage the under surface of the clip in the rear of the spindle whereby the clip is made to grasp the sheet pad 6. The free extremity or edge of part 8^d is bent upward slightly as shown at 8^{d2} to facilitate the insertion of the board 5. It will be observed that as the rear extremity of the clip is pressed and the pad 6 released, the top 8^d is made to grasp the board more tightly since there is a downward pressure thereon through the medium of the spring 12, the extremities of which engage the part 8^d as heretofore explained.

Having thus described my invention, what I claim is—

1. In a paper clip, the combination of the supporting base consisting of the bottom plate and the top part formed into a clamp to receive the board, and the spring-actuated clip pivotally mounted on the clamp, substantially as described.

2. The combination of the clamping base composed of the top and bottom plates, and the spring actuated clip pivoted on legs carried by the top part of the clamp substantially as described.

3. The combination of the clamping base composed of the top and bottom plates, the clip pivoted on the spindle carried by legs formed on the top plate of the clamp and a spring attached to the spindle and engaging the clip and the top of the clamp, substantially as described.

4. The combination of the clamping base
composed of the top and bottom plates formed
from an integral piece of sheet metal, the clip
pivoted on legs carried by the base, and a
5 spring so located as to actuate the clip and
simultaneously press upon the top plate of
the clamping base, substantially as described.

In testimony whereof I affix my signature in
presence of two witnesses.

EDWARD T. BLAKE.

Witnesses:

WM. MCCONNELL,
F. R. SCHWEGLER.