(No Model.)

F. A. WEEKS.

PAPER CLIP.

No. 356,810. Patented Feb. 1, 1887.

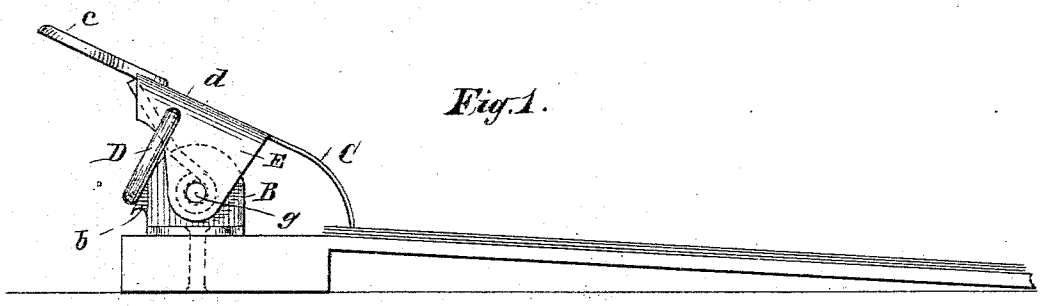


Fig. 1.

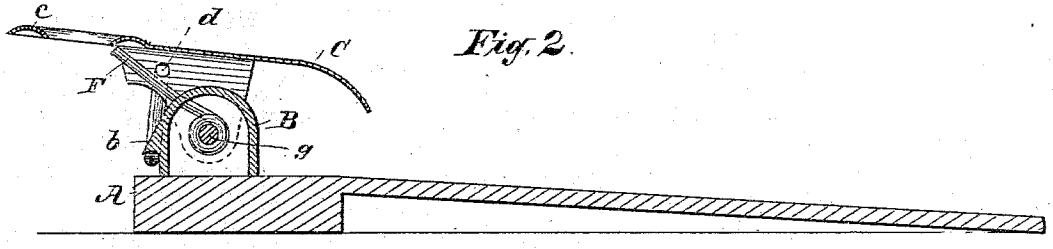
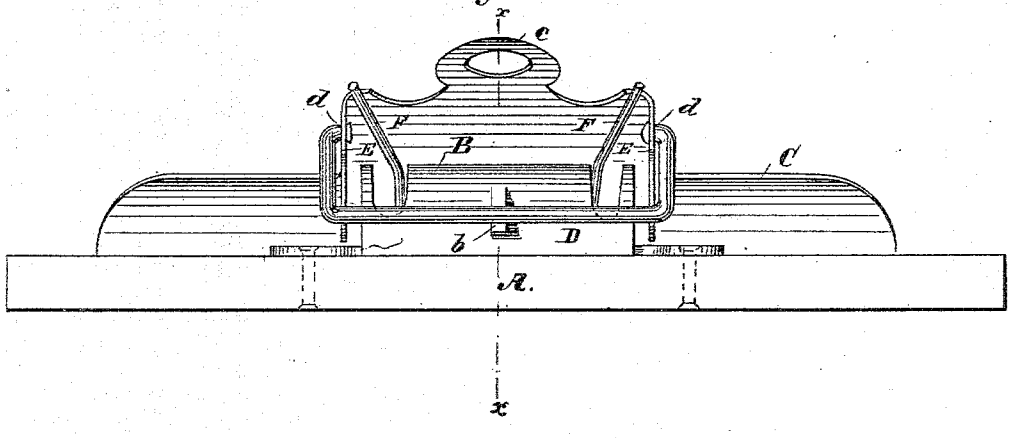


Fig. 2.

Fig. 3.



Witnesses:
Henry J. Schnarz
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UNITED STATES PATENT OFFICE.

FRANK A. WEEKS, OF BROOKLYN, NEW YORK.

PAPER-CLIP.

SPECIFICATION forming part of Letters Patent No. 356,810, dated February 1, 1887.

Application filed September 11, 1886. Serial No. 213,340. (No model.)

To all whom it may concern:

Be it known that I, FRANK A. WEEKS, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Paper-Clips, of which the following is a specification.

My invention relates to an improvement in paper-clips, such as are generally used in connection with a back board to hold letters or other papers, by confining them between the jaw of the clip and the back board by the action of a spring; and the object of my invention is to provide a simple, cheap, and convenient means of automatically holding the clip-jaw open while removing or adjusting the papers.

With this end in view my invention consists in providing a gravity-catch and certain novel features of construction, which will be hereinafter fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a side view of a paper-clip closed and retaining papers upon the back board, with the gravity-catch D in its normal position. Fig. 2 represents a vertical section of the same through the line *x x* of Fig. 3, showing the clip-jaw open and retained in that position by the catch D engaging with the nose *b* on the spring-box. Fig. 3 is a rear perspective view of a board and clip embodying my invention.

Similar letters refer to similar parts throughout the several views.

The general construction of the spring-box B, the clip having the jaw C and the thumb-piece *c*, and the spring F are not interfered with, and they are secured to the back board, A, in the usual manner, the pin G running through the sides of the clip, the spring-box, and the spring, confining them together and keeping them in adjustment for working.

At the time of making the spring-box B, either by casting or forging, I construct the nose *b* as a part of it, and the catch or loop D is made in any convenient manner or shape. I prefer to make it of wire, bent as shown in the drawings, Fig. 3, and attach it to the clip by the short arms *d* and holes made in the sides E of the clip to receive them, allowing it to work freely and rest upon the nose *b* when the clip-jaw is closed or in its normal position.

To operate the clip and secure it in an open position for the removal of any or all of the papers, it is only necessary to press down upon the thumb-piece *c* until the catch D falls over the nose *b*, when it will drop back underneath it by its own weight, ready to retain the clip-jaw open when the pressure is removed from the thumb-piece. To close it, press down a little on the thumb-piece, as before, until the strain is taken off of the catch, when it is readily released from the nose by the finger and the clip-jaw allowed to return to its normal position.

The form of the catch D may be altered to suit certain conditions, and it may be secured to the clip in a different manner from the one I have preferred to show, to allow it a gravitating action to engage with the nose on the spring-box; but

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

The combination, with a paper-clip having the pivot-box B, with the nose *b*, of the catch D, adapted to engage with said nose by its gravitating action and retain the clip-jaw in an open position, substantially as shown and described, and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 4th day of September, 1886.

FRANK A. WEEKS.

Witnesses:
HENRY J. SCHWARZ,
A. A. WEEKS.