No. 757,937. PATENTED APR. 19, 1904.

W. LUKES.

PAPER CLIP OR HOLDER.

APPLICATION FILED NOV. 25, 1903.

NO MODEL.

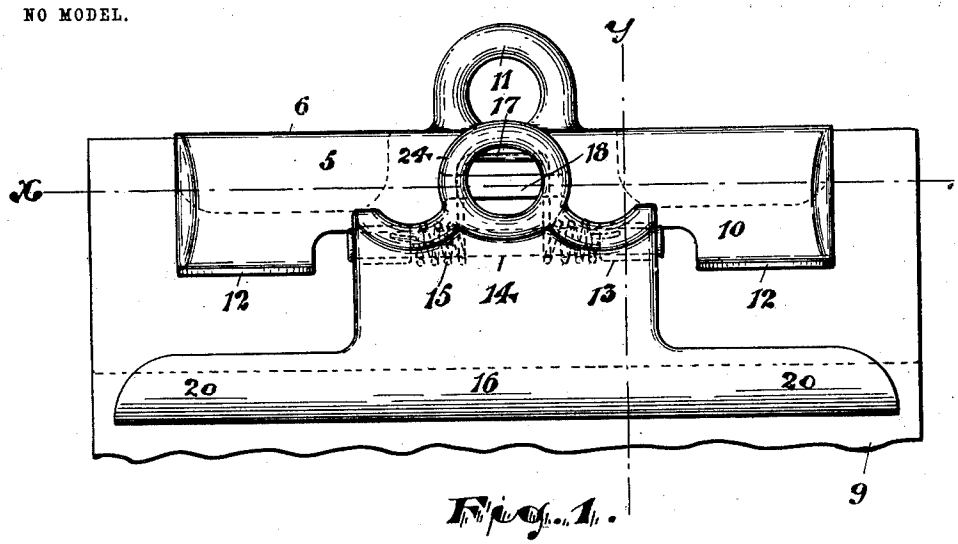


Fig. 1.

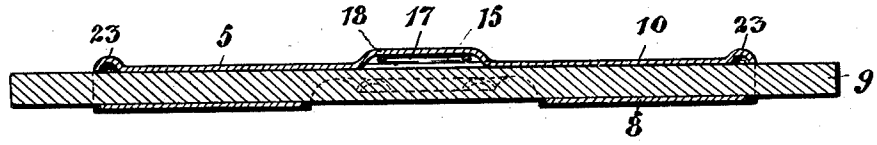


Fig. 2.

Fig. 3.

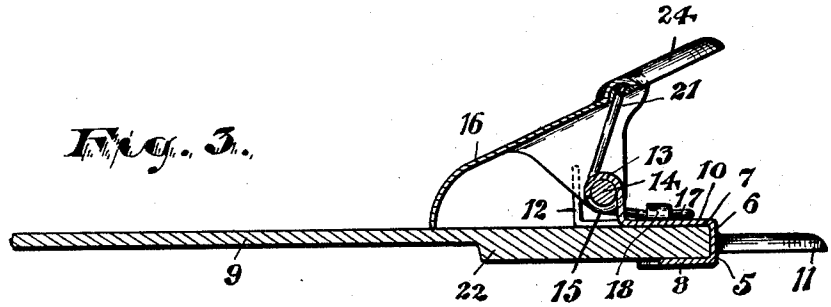
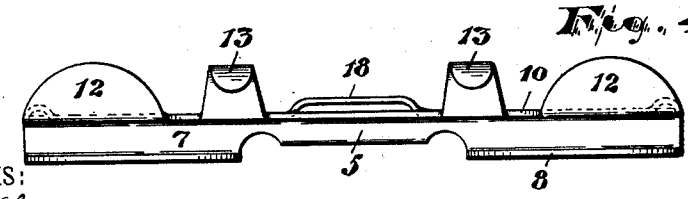


Fig. 4.



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No. 757,937. Patented April 19, 1904.

UNITED STATES PATENT OFFICE.

WILLIAM LUKES, OF NEWARK, NEW JERSEY.

PAPER CLIP OR HOLDER.

SPECIFICATION forming part of Letters Patent No. 757,937, dated April 19, 1904.

Application filed November 25, 1903. Serial No. 182,595. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM LUKES, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented and produced a new and original Improvement in Paper Clips or Holders; and I do hereby 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 figures of reference marked thereon, which form a part of this specification.

The objects of this invention are to reduce the cost of construction and secure a more simple and compact structure, to enable the parts to be more readily and easily taken apart for packing or storing and when needed to be quickly and easily assembled, to provide a separable structure in which when the board and clip are in operative relation said parts will be secure and firm without the use of special fasteners, and to secure other advantages and results some of which will be referred to hereinafter in connection with the description of the working parts.

The invention consists in the improved paper clip or holder and in the arrangements and combinations of parts of the same, all substantially as will be hereinafter set forth, and finally embraced in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is a plan of the improved device. Fig. 2 is a section of the same on line x. Fig. 3 is a section on line y, and Fig. 4 is a front detail elevation of the bed-plate or body of said device.

In said drawings, 5 indicates the bed-plate or body. This consists of a sheet-metal piece bent double, as at 6, to form a board-receiving aperture or slot 7, the lower extension 8 being adapted to engage the under side of the board 9 and the upper extension 10 engaging the upper side of the board. Said extensions project in from the edge of the board a considerable distance, so that there will be little chance of vertical vibration or oscillation within the slot or aperture 7. The lower extension at its center is cut out and bent backward to form an eye 11, adapted to lie in the plane of the board 9 for convenience in suspending said board. At the forward or inward edge of the upper extension near the opposite ends of the body are upward lips or tongues 12, which serve as stops to prevent the end edges of the papers thrust into the clip from engaging or interfering with the spring or pivotal parts, and between said lips or stops 12 the intermediate metal is bent into the form of pivotal hooks or eyes 13 to receive the pivotal pin or shaft 14, on which a spring 15 is coiled. The ends of said spring 15 bear oppositely—one on the bed-plate and the other on the clip-jaw 16, tending to hold the latter firmly against the board 9, as indicated in Fig. 3.

To hold the looped end 17 more firmly in place, especially when the board is withdrawn from its receptacle or aperture, I have struck out a loop 18 from the body metal, as shown in Fig. 2 more clearly, through which the looped end 17 of the spring, lying on the upper face of the extension 10, extends and is firmly held in place both laterally and vertically.

The clip-jaw is provided with downwardly-turned ears 19, which are perforated to receive the pivotal-pin shaft 14, and at its forward edge is broad, having lateral extensions 20, giving to the jaw a width approximating the width of the board. Said forward edge is turned downward so as to abut against the board at a point forward from the pivotal pin, said forward edge normally pressing downward upon said board because of the pressure of the arm 21, Fig. 3, upon the rearward part of said jaw.

The board bearing at the front of the jaw, pressing upon the board at a point distant from the extension 8 and 10 of the body-plate, tends, because of the leverage of the board, to greatly increase the pressure of the board at its rearward edge upward against the upper extension and at a point back from said edge downward against the forward extremity of the lower extension, thus giving to said board a strong frictional contact with

said extensions, by which said board is securely held in place and, because of the broad contact of the forward edge of the jaw and the wide distribution of the rearward bearing-surfaces of the board on the extensions, without any warping or bending of the board. The board 9 is preferably reinforced at its rearward end, as shown at 22 in Fig. 3, to more effectually prevent bending, and to prevent bending of the extensions the same, or at least one of the same, may be provided with ribs, such as 23.

By the construction described the board may be easily withdrawn from its receptacle by simply pressing the clip by holding it by thumb and finger, pressing on the extension 8 and finger extension 24 of the jaw, and when said board is removed it may be packed with other similar boards for shipment most compactly.

Having thus described the invention, what I claim as new is—

1. In a paper-holding device, the combination with a body-plate doubled to form upper and lower forward extensions between which is formed a slot or aperture to receive a board, the upper extension being provided with stop-tongues and pivotal hooks or eyes and a shaft within said hooks or eyes, a clip-jaw arranged on said shaft and extending forward therefrom beyond the limits of said upper and lower extensions of said body-plate, where it is adapted to press upon the board or intervening papers or leaves, substantially as set forth.

2. The improved paper-holding clip, comprising a sheet-metal body doubled to form upper and lower extensions, the upper extensions being each bent upward near the opposite sides of the clip and between said upward bends being bent in the form of hooks and back from said bendings having a closed loop struck from said body, a shaft arranged within said hooks, a clip-jaw pivoted on said shaft, a spring coiled on said shaft and having ends bearing oppositely on said clip-jaw and body, the doubled or looped end bearing on said body being inserted in said closed loop, which latter spans the doubled end of the spring and holds the same upon the face of said body and a board fitting between said upper and lower extensions and held therein by the pressure thereon of the spring-controlled clip-jaw, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of November, 1903.

WILLIAM LUKES.

Witnesses:
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