No. 850,903. PATENTED APR. 23, 1907.

F. M. BULKLEY.

CLIP FOR HOLDING PAPERS, CLOTHING, &c.

APPLICATION FILED AUG. 8, 1906.

Fig. 1

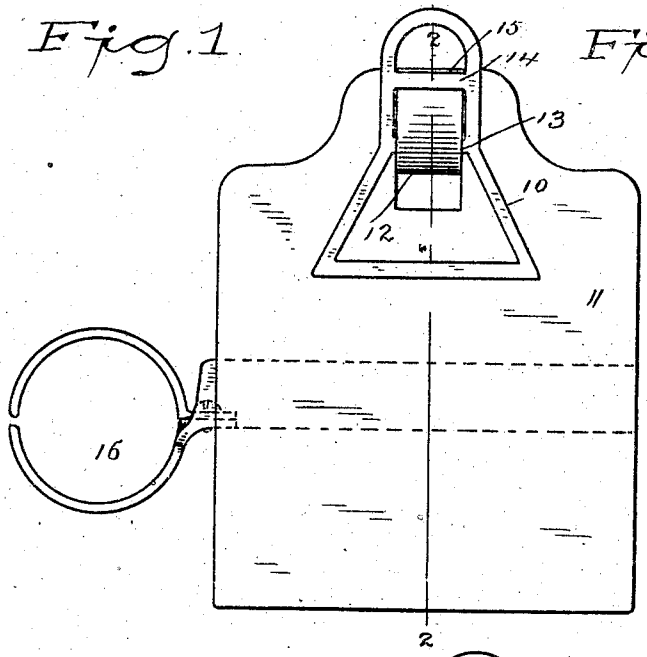


Fig. 2.

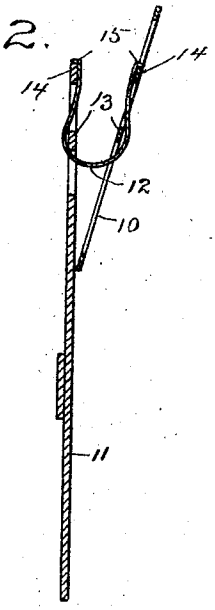


Fig. 3.

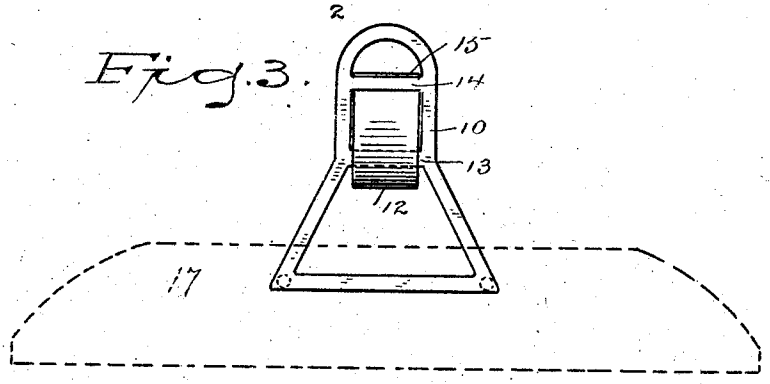
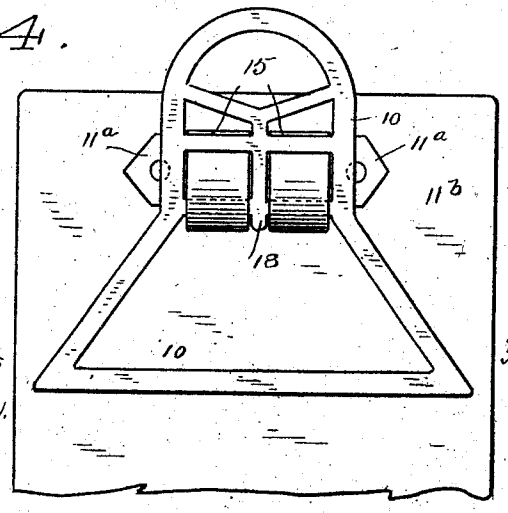


Fig. 4.



WITNESSES

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CLIP FOR HOLDING PAPERS, CLOTHING, &c.

No. 850,903. Specification of Letters Patent. Patented April 23, 1907.

Application filed August 8, 1906. Serial No. 329,675.

To all whom it may concern:

Be it known that I, FRANK M. BULKLEY, a citizen of the United States, residing at Bridgeport, county of Fairfield, State of Connecticut, have invented a new and useful Clip for Holding Papers, Clothing, &c., of which the following is a specification.

This invention relates to the class of clips for holding tablets, papers, clothing, &c., illustrated and described in Letters Patent No. 765,553, granted to me July 19, 1904, and has for its object to simplify and cheapen and to generally improve the construction thereof, an important feature of the present construction being that the members and the spring are so constructed that the spring may be formed complete and tempered ready for use and may then be readily sprung into place without the use of tools and by any person not necessarily a skilled mechanic, the spring when in place being self-retaining and also acting to retain the members in position relatively to each other.

With these and other objects in view I have devised the simple and novel clip of which the following description, in connection with the accompanying drawings, is a specification, reference characters being used to indicate the several parts.

Figure 1 is an elevation illustrating a form of the invention in which one of the members is a plate, preferably inclined, is fixed in position relatively to the other member, and is provided with a clamp for attachment to the standard of a desk-telephone or to any similar fixed or movable part; Fig. 2, a section on the line 2 2 in Fig. 1; Fig. 3, an elevation showing in full lines a form of clip having corresponding members and adapted for use upon a desk to hold a number of papers and also showing in dotted lines a plate, which may be of metal or wood, one of said plates being attached to each member of the clip to adapt it to serve as a trousers-holder; and Fig. 4 is an elevation illustrating a form differing from the form in Fig. 1 in that one of the members is made in two parts, one of said parts being a board, and duplicate springs are used, one end of each spring engaging a plate to which the board is attached.

My novel clip comprises, essentially, two members, (indicated by 10 and 11,) and a U-shaped spring, (indicated by 12.) The shape of the members is wholly immaterial so far as the present invention is concerned. They may correspond with each other or be wholly dissimilar in size and shape, and one or both may be movable relatively to the other. The essential feature is that each member is provided with a plurality of spaces forming a plurality of cross-pieces, the cross-pieces nearest the gripping-surfaces being indicated by 13 and the cross-pieces farthest from the gripping-surfaces being indicated by 14. The spring is formed from a plain strip of metal free from slots or recesses, and therefore with its strength unimpaired, said spring being bent to substantially U shape and having its ends turned outward, as at 15, to engage the edges of cross-pieces 14 farthest from the gripping-surfaces, the spaces between the cross-pieces being of a width equal to or greater than the width of the spring.

In the form illustrated in Figs. 1 and 2 one of the members is a metal plate and is provided with a clamp 16 to adapt it for attachment in place, as to the standard of a desk-telephone, the plate preferably lying at an angle to the horizontal plane for convenience in use.

In the form illustrated in Fig. 3 the members correspond with each other, and each is movable relatively to the other. This form may be adapted for use as a trousers-holder by riveting or otherwise securing to the gripping portions plates 17, (indicated by dotted lines,) which may be of metal or wood.

In the form illustrated in Fig. 4 one of the members is made in two parts, which are indicated specifically by 11^a and 11^b. Part 11^a is of metal and is provided with cross-pieces to retain one end of the spring, as in the other forms. Part 11^b may be made of metal, wood, pasteboard, vulcanized fiber, or any suitable material, part 11^a being riveted or otherwise rigidly secured thereto. In this form, as indicated in the drawings, the members are made larger to adapt the clip for heavier work, and duplicate springs are used, the cross-pieces 13 and 14 being braced and strengthened by a vertical strip 18.

The springs are formed to the required shape from a strip of uniform width and free from slots or recesses and are then tempered. The act of assembling consists merely in springing the tempered springs into place. Each arm of a spring is passed outward through the opening under the cross-piece 13 of a member and then inward and upward through the opening between the cross-pieces so that each arm engages the

outer surface of one cross-piece and the inner surface of the next cross-piece, the outwardly-turned end 15 of the spring engaging the edge of cross-piece 14 farthest from the gripping portion of the member. When once in place, the spring is self-retaining by means of the outwardly-turned ends and locks the two members securely in place, the spring itself being the sole connection between the two clip members and unimpaired in strength by any slots or recesses.

Having thus described my invention, I claim—

A clip comprising two members each provided with a plurality of openings forming a plurality of cross-pieces, and a U-shaped spring of substantially uniform width passing outward and inward through said openings and engaging alternately outer and inner faces of the cross-pieces and yieldingly holding the said two members together, the ends of the spring being bent and engaging the edges of the cross-pieces farthest from the gripping portions of the members.

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

FRANK M. BULKLEY.

Witnesses:

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S. W. ATHERTON.