

No. 878,497.

PATENTED FEB. 11, 1908.

C. R. BLEAKNEY.
PAPER CLIP OR FASTENER.
APPLICATION FILED MAR. 13, 1907.

Fig. 1.

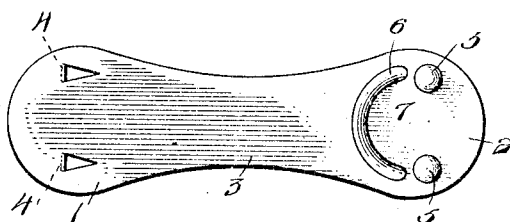


Fig. 2.

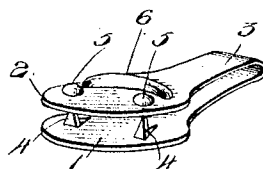


Fig. 3.

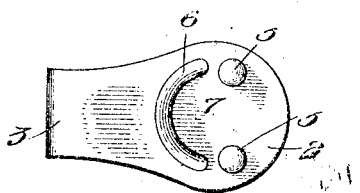
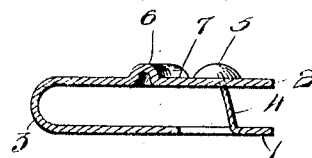


Fig. 4.



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UNITED STATES PATENT OFFICE.

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PAPER CLIP OR FASTENER.

No. 878,497.

Specification of Letters Patent.

Patented Feb. 11, 1908.

Application filed March 13, 1907. Serial No. 362,223.

To all whom it may concern:

Be it known that I, CHARLES R. BLEAKNEY, a citizen of the United States, residing at Sidney, in the county of Shelby and State of Ohio, have invented certain new and useful Improvements in Paper Clips or Fasteners, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to an improvement in paper clips or fasteners, and has for its object the improvement of the construction of a sheet-metal paper clip which is provided with means for preventing independent pivotal movement of the clip upon a sheet or sheets of paper, or any analogous material, or when the clip is grasped by the user, of any pivotal movement of the sheet or sheets upon said clip.

Another object of the invention is the construction of a paper clip provided with a plurality of penetrating points or tongues upon one portion thereof, and upon the other portion with caps or hoods and a reinforcing rib.

With these and other objects in view, the invention consists of certain novel constructions, combinations, and arrangements of parts, as will be hereinafter fully described and claimed.

In the drawings: Figure 1 is an enlarged plan view of a paper clip or fastener stamped from a single sheet of material and shown in an unfolded position. Fig. 2 is an enlarged, perspective view of a paper clip or fastener constructed in accordance with the present invention. Fig. 3 is an enlarged top plan view of the clip. Fig. 4 is an enlarged, longitudinal, vertical sectional view of my improved clip or fastener.

Referring to the drawings, 1 and 2 designate the two portions of my clip, which are integrally connected by a reduced, central portion 3. It is to be noted that the portions 1 and 2 are comparatively wide as compared with the central connecting portion 3.

I preferably construct my clip or fastener by stamping the same from a single piece or sheet of material. Upon the bottom portion 1 of the clip, there is formed a plurality of penetrating points or tongues 4. I preferably provide a pair of these points, and they are substantially of an inverted V-shaped structure. The points or tongues are parallel to each other, and are stamped

from the portion 1 intermediate the edges thereof. Owing to the V-shaped structure of each of the points or tongues, they can be quickly forced through a sheet or sheets of paper or analogous material.

Integral hoods or caps 5 are formed upon the upper portion 2, and preferably in such position as will place the same above the points or tongues 4, when the blank shown in Fig. 1 is folded, as in Fig. 2. These caps or hoods 5 are struck-up from the body of the portion 2, and when portions 1 and 2 are folded and pressed together, the upper ends of the points or tongues will enter the caps or hoods, whereby said caps or hoods 5 will act as a lock for preventing displacement of a sheet or sheets, if positioned between portions 1 and 2, and will also prevent the fingers of the operator from coming in contact with the points or tongues.

Owing to the fact that it is desirable to form the clip or fastener from sheet-metal of sufficient pliability as to permit the same to be easily folded, it is of importance and desirable to reinforce the portion 2, upon which are formed the caps or hoods 5, and I accomplish this reinforcing by forming a curved transverse rib 6. From practical experience, I have found that this rib materially reinforces the portion 2 and also provides a roughened surface that is engaged by the hands, preferably a finger, and which facilitates the placing of the clip in any desired position, particularly upon a sheet or sheets of paper or analogous material. By reason of the curved structure of the reinforcing rib 6, a greater bearing face is provided, to be engaged by the finger, than if said rib was of a straight structure. Furthermore, the curved, reinforcing rib 6, together with the hoods or caps 5, forms a pocket, as at 7, above the horizontal plane in which the upper surface of the portion 2 is formed, whereby when the operator grasps the clip, a portion of the finger is placed between the caps or hoods 5 and the reinforcing rib 6. Other advantages could be enumerated for the reinforcing rib 6. It is to be noted that synchronously with the stamping of the penetrating points or tongues 4, the caps or hoods 5 and the reinforcing rib are struck-up from the body of the metal: said caps and rib being formed intermediate the edges of portion 2.

An ordinary clip, provided only with a single penetrating point or tongue will permit a sheet or sheets of paper placed upon

the point or tongue to pivot, or have an independent rotary movement with respect to said tongue, which in the case of a plurality of sheets carried by the tongue, will permit the sheets to slip independently of each other and will not retain said sheets evenly together, and if there is only one sheet carried by the point or tongue, the pivotal movement of said sheet will tear or enlarge the opening of the sheet through which the tongue extends, and eventually the sheet will be removed from said tongue. These disadvantages are obviated by my clip, as a sheet or sheets positioned between portions 1 and 2 and upon tongues or points 4, will be prevented from having any pivotal movement, independent of portions 1 and 2, and will also secure a plurality of sheets evenly together. Furthermore, the plurality of caps or hoods employed in my structure not only act as a lock for the outer ends of the points or tongues 5, but also protect the hand of the user from becoming injured by contact with said points.

By forming the caps 5 on the same portion and the prongs 4 on the other portion, it will be obvious that my fastener will easily slip over the paper, prior to clamping the portions together as in Fig. 4; furthermore, by forming the prongs upon one and the same portion, the other portion, provided with the caps, is formed with a smooth, paper-engaging surface to receive such papers as are intended to be fastened together, which would not be true if each portion was formed with a single prong, as the prongs would in this instance seriously interfere with the insertion or removal of the papers. In addition to the advantage of forming a smooth paper-engaging surface upon the same portion with the plurality of caps in my structure, it will be noticed that by reason of this structure, the fastener will not occupy near as much space in an envelop when being sent through the mail attached to papers, as would be the

case if each portion was provided with a prong, as a prong upon each portion would materially increase the thickness of the fastener and cause the same to be so bulky as to injure the envelop in transit. 50

What I claim is:

1. A paper clip or fastener, formed from a single piece of metal and provided with a plurality of end-portions, a penetrating point formed upon one of said portions, a cap 55 formed upon the other portion opposite to said penetrating point, and a transverse rib struck up from said last mentioned portion contiguous to said cap and intermediate the edges of said portion, said rib formed back of the cap and contiguous to the narrowest part of the end portion, whereby a pocket is formed opening towards the front end of the clip. 60

2. A paper clip formed from a single piece and provided with a plurality of end-portions, one of said end-portions provided with a plurality of penetrating points, and the other portion provided with a plurality of caps and with a curved reinforcing rib formed thereon intermediate its edges, said caps and rib of the same height and producing a roughened surface and a pocket, the pocket opening upon the front end of the clip. 70

3. A paper clip, comprising a plurality of portions, a plurality of penetrating points formed upon one of said portions, a plurality of caps struck-up from the other portion and normally positioned above said penetrating points, and a curved, transverse rib struck-up from and intermediate the edges of said last-mentioned portion and having its ends terminate contiguous to said caps, whereby a pocket is formed upon said last-mentioned portion above its upper face. 80

In testimony whereof I hereunto affix my signature in presence of two witnesses. 85

CHARLES R. BLEAKNEY.

Witnesses:

JAS. WARD KEYT,
A. R. POLLOCK.