

957,764.

Patented May 10, 1910.

Fig. 1.

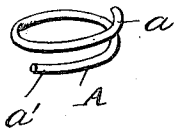


Fig. 2.



Fig. 3.

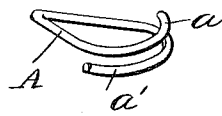


Fig. 4.

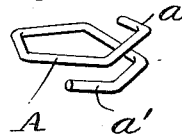


Fig. 5.

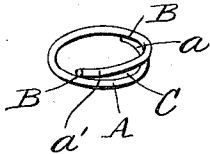


Fig. 6.

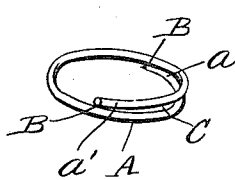


Fig. 7.

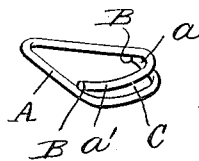
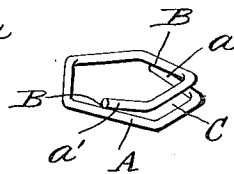


Fig. 8.



Witnesses

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PAPER-CLIP.

957,764.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, DAVID G. GALBRAITH, a citizen of the United States, residing at Mineral Wells, county of Palo Pinto, Texas, have invented a certain new and useful Improvement in Paper-Clips; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification and to the letters of reference marked thereon.

This invention relates to devices for securing loose sheets of paper, etc., together, the objects of the invention being to provide a simple device which may be cheaply and expeditiously manufactured, and which will be easy to apply and will grip the papers at two separated points in order to prevent the rotation or sliding of the sheets with the clip as a center.

A further object of the invention is to provide a device which will not project an appreciable distance beyond the edges of the papers.

In the accompanying drawings,—Figures 1, 2, 3, and 4 are views showing various shapes of formed blanks adapted for use in making clips embodying the present invention; Figs. 5, 6, 7, and 8 are views of completed clips made from blanks shown in Figs. 1, 2, 3 and 4, respectively.

The clip of the present invention is preferably formed of spring wire and may be round, oval, egg-shape, or angular contour, as shown in Figs. 5, 6, 7, and 8, respectively, of the drawings. In every instance the wire A of which the clip is made is bent into a closed loop with the ends overlapping for a considerable distance. In the preferred construction the overlap is from $\frac{1}{3}$ to a half the circumference of the loop and the overlapping portions *a*, *a'* are equal distances from the axis of the loop but contact with each other only at the ends as indicated at B where the extremities of each overlapping portion bears against the body of the loop with considerable pressure. The intermediate parts of the overlapping portions are spread apart and as they are curved around the axis of the loop project forwardly be-

yond the contact points thereby forming an open mouth C into which the edges of the papers may be conveniently slipped or into which said edges may be guided by the finger and thumb between which the clip is grasped when being applied to the papers.

When the clip is applied to the papers to be held the gripping points B are separated a considerable distance from each other and are some distance from the edges of the papers. The extreme ends of the wire bite into the papers and present no projections beneath which other papers can catch.

As a convenience in the formation of the clip it is preferably bent up in the form of a spiral as shown in Figs. 1, 2, 3, and 4 with the overlapping portions substantially parallel throughout, and to complete the clip it is only necessary to spring one overlapping portion past the other to the position shown in Figs. 5, 6, 7, and 8, the natural bend in forming the spiral serving to form the open mouth C.

In the commercial formation of the clip as now practiced the spiral has the overlapped portions approximately one-half or less of the circumference of the loop and the mouth is formed by simply reversing the relative positions of the overlapping ends with the result that the extremes only of the overlapping portions will contact to form the gripping points and the intermediate portions of the overlap will spread apart to form the entrance mouth for the edges of the papers.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is:—

1. A clip for loose sheets, etc., made in the form of a uniform spiral loop with its ends overlapped not to exceed approximately one-half the circumference of the loop, the overlapped portions contacting only at their ends and the intermediate parts of the overlapped portions being at all points correspondingly bent outwardly from the contacting points and spread apart between the contacting points parallel with the axis of the loop to form an entrance mouth for the edges of the sheets.

2. A clip for loose sheets, etc., made substantially in the form of a spiral loop with its ends overlapped not to exceed substantially one-half the circumference of the loop whereby by reversal of the relative positions of the overlapped portions they will contact only at the extremes and the intermediate portions of the overlapped ends will spread apart to form an entrance mouth for the edges of the papers.

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Witnesses:

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