Aug. 25, 1936. L. G. WHITTON 2,052,509

PAPER FASTENER

Filed March 2, 1936

FIG. 1.

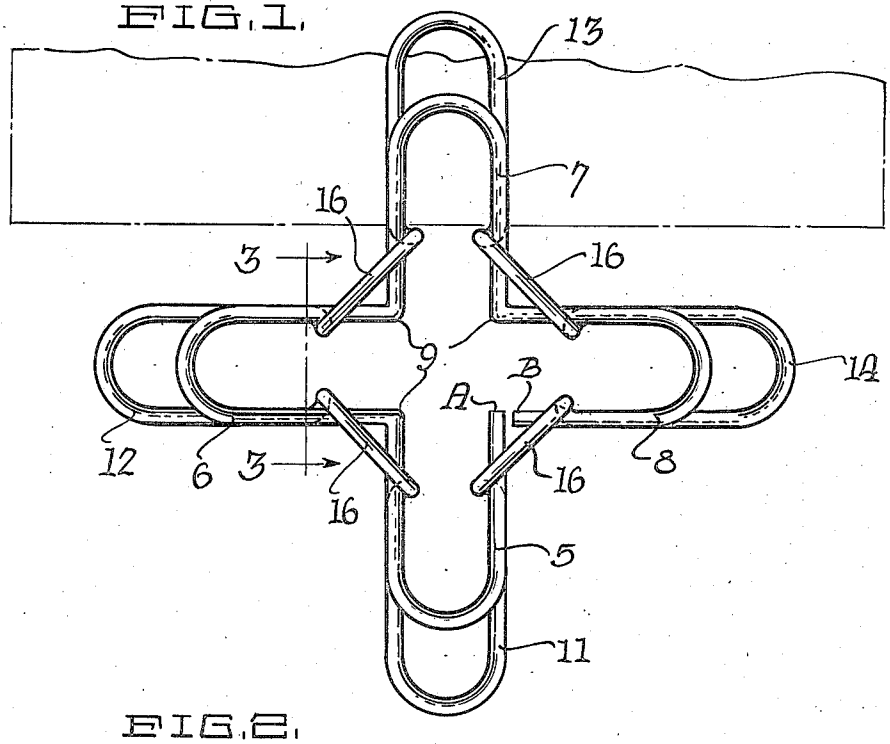
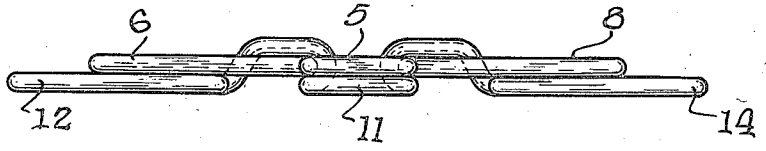


FIG. 2.



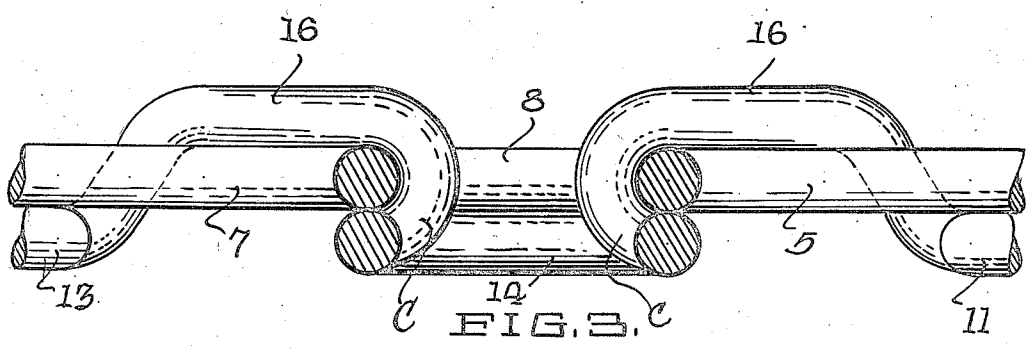


FIG. 3.

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PAPER FASTENER

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2 Claims. (Cl. 24—261)

This invention relates to improvements in securing devices, and has particular reference to paper clips.

The principal object of this invention is to produce a paper clip wherein papers may be engaged by the clip without the necessity of turning the clip or, in other words, the clip is so designed that no matter how a person picks the same up a portion of the clip is always available for instant attachment.

A further object is to produce a device of this character which is strong and economical to manufacture.

A still further object is to produce a clip wherein several groups of papers may be attached to the same clip.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Fig. 1 is a top plan view of my clip;

Fig. 2 is a side elevation of Fig. 1; and

Fig. 3 is an enlarged detail cross section taken on the line 3—3 of Fig. 1.

Paper clips usually consist of a piece of wire bent into some shape wherein two portions of the clip overlie each other, and it is between these two portions that the material to be held is placed. There have been many forms of these clips. They, however, require the user to pick the clip up and then turn it so that it is in a position to be engaged.

With my clip I provide for four engaging portions with the result that no matter in what position the clip is picked up there is always a portion in position for use. I have also produced a clip having great rigidity and therefore clamping power.

In the accompanying drawing wherein for the purpose of illustration is shown a preferred embodiment of my invention, it will be noted that my clip consists of an upper portion and a bottom portion. The upper portion is bent of a single wire starting at the point A and ending at the point B. The bending of this wire is such that it forms four U-shaped portions, 5, 6, 7, and 8, the bend between the U-shaped portions being substantially at right angles as shown at 9. The bottom portion of the clip is also bent of wire into four substantially U-shaped portions 11, 12, 13, and 14, and these last mentioned U-shaped portions are connected by bridge pieces 16. The bridge pieces overlie the connected ends of the top U-shaped portions and therefore the ends of the bridge pieces partially encircle the wire forming the top portion. This encircling is best shown at C, in Fig. 3. The wire for the bottom portion may start and finish at any desired point where the joint will not interfere with the clamping action.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes relative to the material, size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:—

1. A paper clip of the character described, comprising an upper portion and a lower portion, each formed of wire and so bent as to produce a plurality of radially disposed arms, said upper portion and said lower portion interlocked, whereby the parallel disposed radial arms form material engaging clamps.

2. In a device of the character described, a wire bent upon itself so as to form a plurality of U-shaped arms radially disposed, a second wire bent upon itself so as to form a plurality of radially disposed U-shaped arms, and bridge pieces formed between said second mentioned arms for engaging said first mentioned wire structure whereby the arms of said first mentioned structure are held in parallel alignment with the arms of said second mentioned structure.

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