

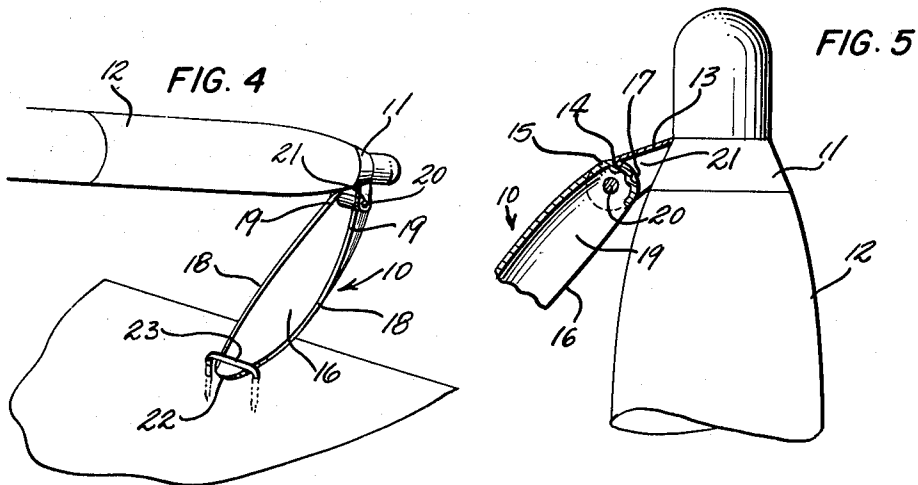
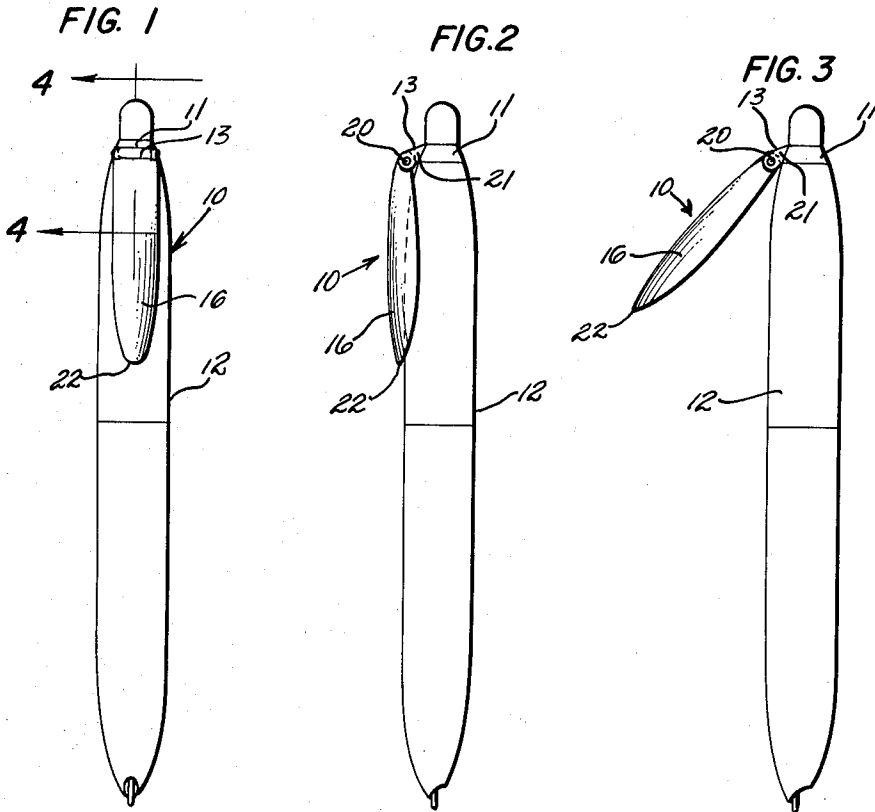
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STAPLE REMOVER

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STAPLE REMOVER

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1 Claim. (Cl. 254—28)

This invention relates to an item usually found on the stationery counter of drug, department and novelty stores, and the like, and more particularly to an item found in nearly any stationery store, and the like, and still more particularly to a device used to remove staples from a plurality of sheets of paper, and the like.

Staple removers are, as nearly everyone knows, a separate device that can only be used for the removal of staples, and nothing else. The result of this line of thinking is that one's office desk, and the like, is usually cluttered with a number of devices that can only be used for one thing, after which they take up valuable space that can otherwise be better occupied.

It is, therefore, the principal object of this invention to provide a staple remover that is useful for more than one purpose by reason of its being in the form of a clip that is secured to the top of a ball point pen, or the like.

Another object of this invention is to provide a staple remover that will lie flat down against the side of any ball point pen, or the like, to which it is secured.

Another object of this invention is to provide a staple remover that contains a minimum number of parts and is, therefore, a device that is less apt to get out of working order.

Another object of this invention is to provide a staple remover that can be adapted to securement to any tubular object.

Still another object of this invention is to provide a staple remover that will not in any way interfere with the normal functions of the ball point pen, or other object to which it is secured.

These objects are obtained by the novel arrangement and construction of parts hereinafter fully described and shown in the accompanying drawings, in which:

FIGURE 1 is a front view of this invention secured to a typical ball point pen.

FIGURE 2 is a side view of FIGURE 1.

FIGURE 3 is a view similar to that of FIGURE 2 but with the staple remover in an opened position ready for use.

FIGURE 4 is a pictorial view of this invention in actual use.

FIGURE 5 is an enlarged sectional view of the hinge portion of this invention as well as its placement on the top of a ball point pen or the like.

In the drawing the reference numeral 10 indicates this invention in its entirety; an invention which embodies a circular band 11 which encompasses the upper end of the ball point pen 12 or the like. The aforesaid circular band 11 is contoured to the pen on which it is placed as one can see by looking at any of the five figures of the drawing. A spring 13 having a beaded outer end 14 projects outward from the aforesaid circular band 11 and is in engagement with the rounded upper end 15 of the curved blade 16 by being engaged in any one of the desired plurality of spaced recesses 17 that are formed in the periphery of the aforesaid rounded upper end 15 of the just mentioned curved blade 16 of this invention.

Looking now at FIGURE 4 of the drawing, one will readily see that the aforesaid curved blade 16 is actually curved along both its longitudinal and lateral axis and that the upper end of this blade has its two edges 18 formed into sides 19 in order to provide a support for the holding pin 20, that has its outer ends passing through the two parallel and spaced lugs 21, that are an integral part of

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the aforesaid circular band 11, thereby providing a means of spring hinged securement of the aforesaid curved blade 16 to the circular band 11.

It is now obvious from examination of the already mentioned FIGURE 4 of the drawing that the outer end 22 of the curved blade 16 can easily be forced under any staple 23 since this outer end is elliptical in shape.

All one has to do to use this novel invention of a staple remover is to pull outward on the outer end 22 of the curved blade 16 thereby causing the beaded outer end 14 of the spring 13 to snap into the necessary recess 17 of the invention thus holding the curved blade 16 in the desired open position. The device is now used in the manner shown in FIGURE 4 of the drawing, after which a slight pressure on the aforesaid curved blade 16 will cause the blade to snap back into its closed position as shown in FIGURE 2 of the drawing. If the ball point pen or other device is specially made for this staple remover it may be provided with a recess in its outer surface at a point in line with or even slightly below the outer end 22 of the curved blade 16 in order to make it still easier for one to open the blade by slipping a finger nail under the aforesaid outer end 22. This suggested feature of the ball point pen or whatever else the invention is secured to is not shown in any of the views of the drawings since it is not an actual part of the invention and no claim is made for the same.

This invention can, of course, be used without its being secured to, or placed on, any object if one so desires. The invention can be given a silver, chrome, gold or any other desired finish one may wish. This staple remover can obviously be used to remove any size of staple by reason of the curved configuration of the blade 16 which is naturally wider at its center than at its curved outer end 22.

It is to be understood that changes may be made in the construction and configuration of this invention which is not limited to any specific material, size or color in so long as it falls within the scope of the appended claim.

What I now claim as new and desire to secure as mine through the grant of Letters Patent is:

A staple remover of the character described, comprising a circular band adapted to fit over the upper end of a ball point pen or the like, and a spring projecting outward from the said circular band, the outer end of the said spring terminating in a bead, and a curved blade having a curved outer end adapted to fit under any staple that is in any desired object, and the upper end of the said curved blade which is curved along both its longitudinal and lateral axis having a rounded upper end in which is located a plurality of spaced recesses adapted to engagement with the said bead on the outer end of the said spring, and the edges of the said curved blade being formed into two parallel and spaced sides adapted to receive a holding pin which also passes through two lugs that extend outward from the said circular band.

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