July 11, 1944. E. B. BRIGGS 2,353,385

CLIP AND PENCIL HOLDER

Filed Oct. 21, 1943

Fig. 1.

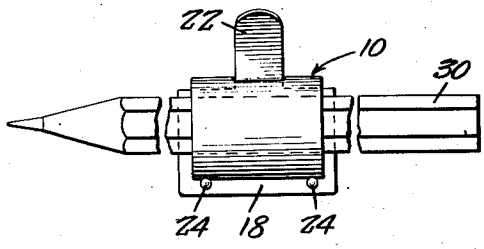


Fig. 2.

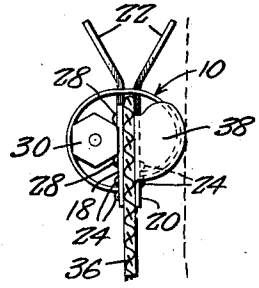


Fig. 3.

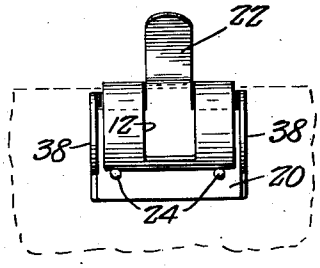


Fig. 5.

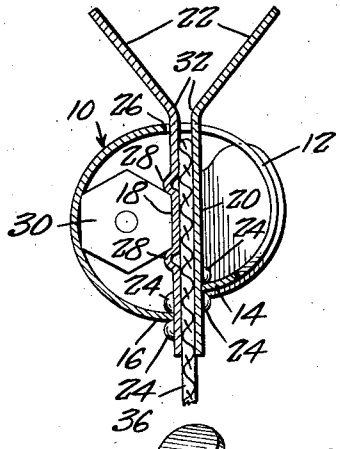


Fig. 4.

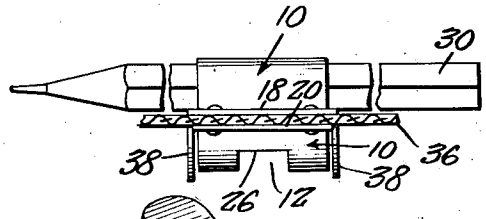


Fig. 7.

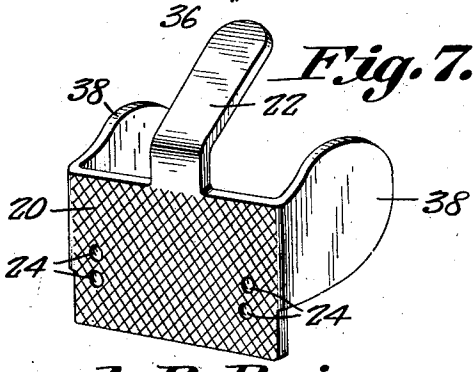
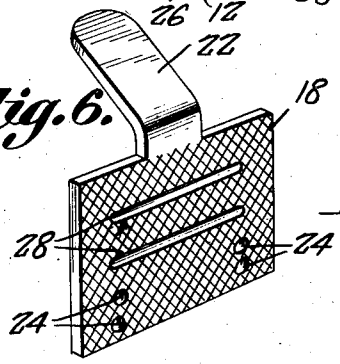


Fig. 6.



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UNITED STATES PATENT OFFICE

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CLIP AND PENCIL HOLDER

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Application October 21, 1943, Serial No. 507,161

5 Claims. (Cl. 24—255)

My invention relates to attaching devices, and has among its objects and advantages the provision of an improved spring clip embodying novel means for supporting a pencil, with the clip designed to be attached to a garment, belt, or the like.

In the accompanying drawing:

Figure 1 is a face view illustrating a pencil carried by the clip.

Figure 2 is an end view.

Figure 3 is a view of the opposite face of the clip.

Figure 4 is a top view.

Figure 5 is an enlarged sectional end view, and

Figures 6 and 7 are perspective views of coacting clamp members.

In the embodiment of the invention selected for illustration, I make use of a spring 10 to the slightly spiral contour of Figure 5. This spring is provided with a centrally located slot 12 extending throughout slightly less than half the length of the spring 10 and circumferentially thereof, with the slot terminating close to the end 14 of the spring. This end of the spring is located inwardly of the end 16.

Figures 6 and 7 illustrate coacting clamp members 18 and 20. Each is provided with a finger 22 lying at an angle to its respective plate like clamp member. Deformations 24 are punched in the numbers 18 and 20 to act as guides which restrain the spring ends 14 and 16 from relative shifting on the members 18 and 20. Both fingers 22 pass freely through the slot 12. Because of the relative offset arrangement of the spring ends 14 and 16, the end 14 exerts pressure on the member 20 so that the two members are normally held in face to face engagement and against the edge 26 defining the inner end of the slot 12. In the absence of the members 18 and 20, the spring ends 14 and 16 overlap so that the members 18 and 20 are pressed together when assembled with the spring 10.

Two ribs 28 are struck from the member 18 and are spaced to provide a groove formation for the reception of a pencil 30 pressed against the member 18 through its engagement with the spring 10. Insertion of the pencil 30 in the clip pivots the spring 10 counterclockwise relatively to the members 18 and 20, as when viewing Figure 5, so that spring pressure holds the pencil firmly against the member 18.

The fingers 22 are arranged in diverging relationship so that the bands 32 act as contacting fulcrums to the end that the members 18 and 20 may be pivoted apart through the application of pressure on the fingers. Sheets and the like may be pinched between the members 18 and 20 or the latter may be employed as attaching devices with respect to a belt or garment.

Figure 5 illustrates a belt 36 pinched between the members 18 and 20, as when the clip is carried on the person. Two flanges 38 are formed on the member 20 and extend beyond the circumference of the spring 10 on the slotted side thereof. Thus the flanges 38 function as guards which have garment contact to relieve the spring 10 from body pressure so as not to impair the clamping action of the spring with respect to the pencil. In other words, the pencil 30 may be easily slipped into position by pivoting the spring 10 in a counterclockwise direction as when viewing Figure 5, but the flanges 38 constitute pressure receiving means which prevents body pressure from releasing the pencil.

Without further elaboration, the foregoing will so fully explain my invention, that others may, by applying current knowledge, readily adapt the same for use under various conditions of service.

I claim:

1. A clip comprising a curved spring having a slot extending circumferentially thereof, clamp members having fingers extending through said slot and arranged face to face with the ends of the spring bearing thereagainst, said clamp members normally extending generally diametrically of said spring, said spring being curved in such degree as to provide space between the spring and one of said clamp members for a shaft like writing intrument of larger cross sectional proportions in one direction than said space to be yieldingly clamped between the spring and said one of said clamp members, and flange means on the other of said members extending beyond the circumferential contour of the spring to guard the latter from accidental pressures.

2. A clip comprising a spirally contoured spring having a slot extending circumferentially thereof throughout approximately half its length slightly inwardly of one end thereof, clamp members having fingers extending through said slot and arranged face to face with the ends of the spring bearing thereagainst, one end of said spring being located inwardly of the other end and engaging one of said clamp members to pivot the two clamp members

against an edge margin of the spring defining one end of said slot, said spring being curved in such degree as to provide space between said spring and the other of said clamp members for a shaft like writing instrument of larger cross sectional proportions in one direction than said space to be yieldingly clamped between the spring and the said other of said clamp members, and flanges on the said one of said members extending beyond the circumferential contour of the spring to guard the latter from accidental pressures.

3. The invention described in claim 1 wherein said spring is of spiral contour to locate the spring ends in offset relationship for pivoting the clamp members to one end of said slot.

4. The invention described in claim 2 wherein lugs are provided on said clamp members for restraining the spring ends from relative shifting.

5. The invention described in claim 2 wherein one of said clamp members is provided with deformations arranged to provide a shallow trough for the writing instrument.

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