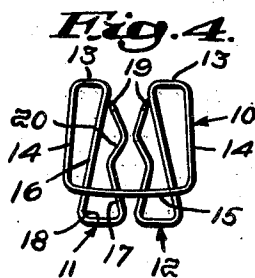
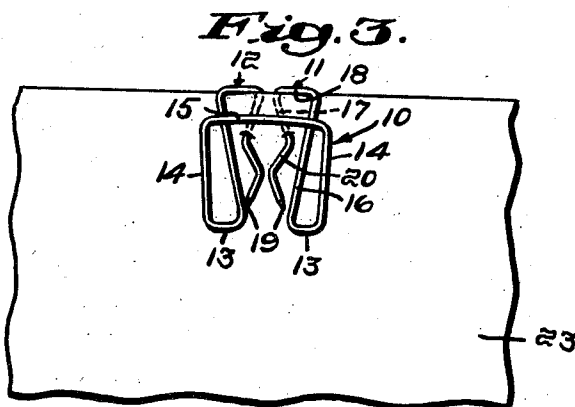
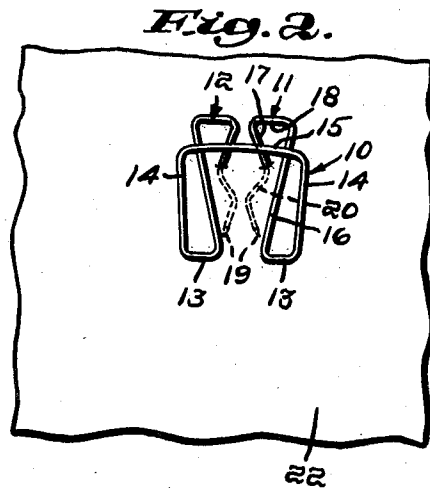
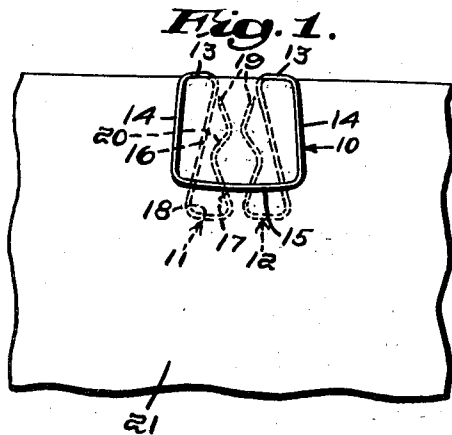


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CLIP FOR SHEET MATERIAL

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CLIP FOR SHEET MATERIAL

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9 Claims. (Cl. 24-66)

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My present invention relates to clips for holding together sheets of paper or other materials.

The usual paper clip is formed from a strip of resilient stock bent to provide a first part, a second part, and a connection therebetween establishing the closed end of the clip and the means urging those parts towards each other to grip frictionally sheets inserted between them. When a relatively large number of sheets is inserted between the clip parts, such parts are forced into an angular relationship and a commonly experienced objectionable result is that the clip either slips from the sheets or intermediate sheets work free.

The principal objectives of this invention are to provide clips that not only effect a better grip on the sheets they hold together but also enable such sheets to be positively anchored and are adaptable to various other uses.

In accordance with my invention, I provide a clip that is formed from a strip of resilient stock to establish a first part, at least one and preferably two second parts, and a connection between each second part and the first part to provide the closed end of the clip and to resiliently urge the clip parts into sheet gripping relationship. Each second part terminates in a sheet piercing point which, while shielded by a clip part, is located to be manually engaged and disposed to enable the sheets to be pierced thereby. In this connection, I provide a shoulder establishing bend near each such point and where two second parts are provided, the sheet piercing points are adjacent and are preferably disposed in diverging relationship to provide locking pressure on the shoulders.

The use of a clip having two second parts is preferred and in such a clip, all the parts may include a pair of arms spaced apart by an integral connection. This structure not only results in a compound clip but also ensures a better frictional grip on the sheets by the second parts.

In the accompanying drawings, I have shown an illustrative embodiment of my invention from which these and other of its novel features and advantages will be readily apparent.

In the drawings:

Fig. 1 is a view in elevation showing a sheet held between the first and second clip parts.

Fig. 2 is a similar view showing the clip pinned to a sheet.

Fig. 3 is a view similar to Fig. 2 but with the sheet held and pinned by the second clip parts, and

Fig. 4 is a view, in elevation, of the clip by itself.

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In the embodiment of my invention shown in the drawings, the clip consists of a first part, generally indicated at 10 and a pair of second parts generally indicated at 11 and 12, respectively. Each second part is connected to the first part 10 by a connection 13 which defines the closed end of the clip and resiliently urges the clip parts into sheet gripping relationship.

Such a clip is formed from a strip of resilient stock and preferably the first part includes a pair of arms 14 connected together as at 15 to have a substantially U-shaped form. Each second part has a pair of arms 16 and 17 with a connection 18 therebetween and is of sufficient length to overlie the closed end 15 of the first clip part 10. The arm 17 of each second part terminates in a sheet piercing point 19 and has a shoulder defining bend 20. The shoulders 20 are oppositely disposed and are exposed within the clip to be digitally engaged. I have shown the arms 17 as being disposed in diverging relationship to bring the points 19 into a position to be shielded by the converging arms 16 adjacent their junction with the connections 13.

While clips in accordance with my invention may be otherwise formed, the clip just described illustrates all of the novel features of my invention to best advantage. As shown in Fig. 1, my clip may be used conventionally by inserting a sheet or sheets 21 between its first and second parts. When thus used, however, the nature of the second parts ensures a superior frictional grip of the clip on the sheets.

My clip may also be used as shown in Fig. 2 with its pointed arms driven rearwardly through the sheet 22 to support it so that it serves as a mount, for example, for photographs which may be inserted downwardly between the first and second clip parts. As shown in Fig. 4, a sheet or sheets 23 may be inserted between the arms 16 and 17 to be held together thereby and with the arms 17 extending forwardly through those sheets to pin them together. When my clip is thus used, it may be employed as a tag holder, for example. In either such use of my clip, the disposition of the arms 17 and their shoulders ensure an effective grip on the sheet or sheets through which they extend.

From the foregoing it will be apparent that clips in accordance with my invention may be inexpensively produced to provide, in addition to the positive locking of the sheets, a more secure frictional grip on the sheets, as well as adaptability for other uses.

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What I therefore claim and desire to secure by Letters Patent is:

1. A clip for sheet material, said clip comprising a first part, at least one second part, and an integral connection between said parts establishing a closed end of said clip, said parts and said connection constituting a continuous strip of resilient stock, each of said parts including spaced interconnected arms engageable with a sheet surface, and one of said arms of said second part terminating in a sheet piercing point disposed substantially in the plane of one of said parts and shielded by one of the portions of one of said parts, said connection being in a plane common to both parts.

2. The clip of claim 1 in which the pointed arm of the second part includes a shoulder defining bend spaced from the point thereof.

3. A clip for sheet material, said clip comprising a first part, a pair of co-planar second parts, and a connection between each of said second parts and said first part establishing a closed end of said clip, said parts and said connections constituting a continuous strip of resilient stock, each of said parts including spaced interconnected arms engageable with a sheet surface, and one of said arms of each of said second parts terminating in a sheet piercing point and including a shoulder defining bend, said point being shielded by one of the arms of one of said parts.

4. The clip of claim 3 in which each point is substantially in the plane of the second clip parts.

5. A clip for sheet material, said clip comprising a first part, a pair of co-planar second parts, and a connection between each of said second parts and said first part establishing a closed end of said clip, said parts and said connection constituting a continuous strip of resilient stock, each of said parts including spaced interconnected arms engageable with a sheet surface, and one of said arms of each of said second parts terminating in a sheet piercing point, said pointed arms being adjacent to each other and exposed for digital engagement to be depressed from a normal position substantially in the plane of one of said clip parts to bring said points into sheet piercing position.

6. A clip for sheet material, said clip comprising a first part, a pair of co-planar second parts, and an integral connection between each of said

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second parts and said first part establishing a closed end of said clip, said parts and said connection constituting a continuous strip of resilient stock, each of said parts including a pair of arms and a connection therebetween, the adjacent arms of said second parts terminating in a sheet piercing point disposed substantially in the plane of one of said parts, each of said points being disposed towards the other of the arms of its second part adjacent the connection between that second part and said first clip part.

7. The clip of claim 6 in which each pointed arm has a shoulder defining bend disposed in the same plane but in a direction opposite to the shoulder of the other pointed arm.

8. A clip for sheet material, said clip comprising a first part, a pair of co-planar second parts, and an integral connection between each of said second parts and said first part establishing a closed end of said clip, said parts and said connection constituting a continuous strip of resilient stock, each of said second parts including a pair of arms and a connection therebetween, the adjacent arms of said second parts each terminating in a sheet piercing point disposed substantially in the plane of one of said parts and shielded thereby.

9. A clip for sheet material, said clip comprising a first part, a pair of co-planar second parts, and an integral connection between each of said second parts and said first part establishing a closed end of said clip, said parts and said connection constituting a continuous strip of resilient stock, each of said second parts including a pair of arms and a connection therebetween, the adjacent arms of said second parts each having a shoulder establishing bend and terminating in a point within the clip and shielded by one of said parts, said pointed arms being disposed in diverging relationship thereby to exert resilient locking pressure on said shoulders.

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