J. S. McCOMB.

PAPER FASTENER OR CLIP.

APPLICATION FILED JUNE 12, 1908.

919,621. Patented Apr. 27, 1909.

Fig. 1.

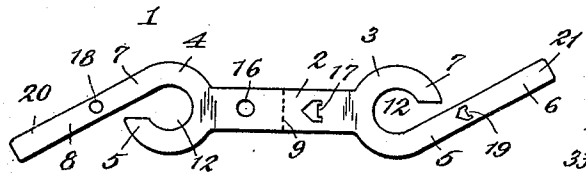


Fig. 2.

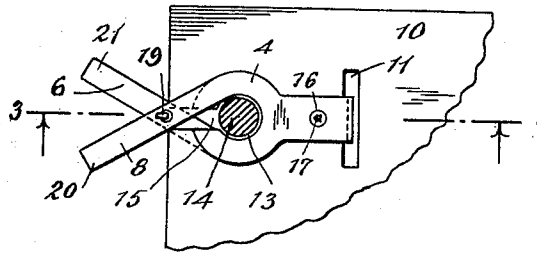


Fig. 3.

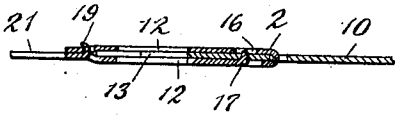


Fig. 5.

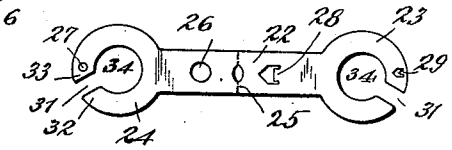


Fig. 6

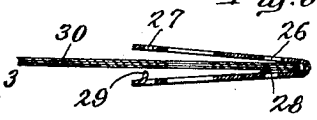


Fig. 7.

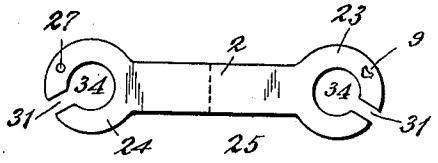
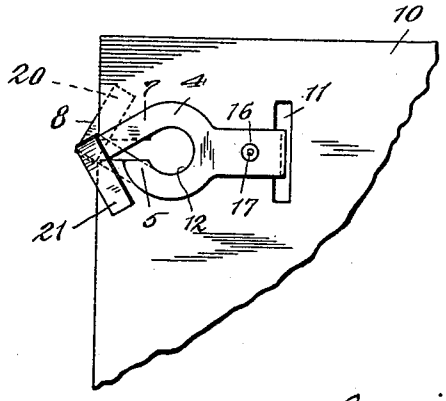


Fig. 4.



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PAPER FASTENER OR CLIP.

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Application filed June 12, 1908. Serial No. 438,193.

To all whom it may concern:

Be it known that I, JENNINGS SCOTT McCOMB, a citizen of the United States, and a resident of Dobbs Ferry, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Paper Fasteners or Clips, of which the following is a specification, taken in connection with the accompanying drawing, which forms a part of the same.

This invention relates to paper fasteners or clips used to secure two or more sheets of paper together or to secure a loose leaf page in a loose leaf binder. When used with a loose leaf sheet the clip or fastener serves as a lock to hold the leaf to the pillar or post of the loose leaf binder and prevent its accidental or surreptitious removal.

In the accompanying drawing showing illustrative embodiments of this invention and in which the same reference numerals refer to similar parts in the several figures, Figure 1 is a plan view of a blank from which my fastener or clip is formed. Fig. 2 is a plan view of my clip or fastener shown in cooperation with a leaf of a loose leaf binder, a pillar or post of the binder being shown in section for the purpose of this illustration. Fig. 3 is a cross section on line 3—3 of Fig. 2 looking in the direction of the arrows. Fig. 4 is a plan view of a sheet of a loose leaf binder and of my clip or fastener showing the ends bent back upon themselves. Fig. 5 is a plan view of a blank from which a modified form of paper fastener or clip is made. Fig. 6 is a cross section through a paper fastener or clip formed from the blank shown in Fig. 5. Fig. 7 is a plan view of a blank similar to that shown in Fig. 5, showing a modified form of locking mechanism.

In the illustrative embodiments of this invention shown in the drawing 1 is a blank which is stamped from any suitable material, preferably from thin metal. The body portion 2 has split rings 3 and 4 mounted at either end of it, one end of each ring being extended to form arms at an angle to the longitudinal axis of the body member 2.

In Fig. 1 I have shown the portion 5 of the split ring 3 extended to form arm 6. The portion 7 of the ring 4 is likewise extended to form a coöperating arm 8 which, when the body portion 2 is bent upon the line 9 to bring the ring 4 over ring 3 will cause the arms 6 and 8 to cross each other as shown in Fig. 2.

When my clip or fastener is used with a loose leaf sheet or page 10 I thread one of the arms 6 or 8 through opening 11 in the sheet 10 and bend the clip or fastener on line 9 so that one half will be above the sheet 10 and one half beneath, Fig. 2, permitting open portions 12, 12 of the rings 3 and 4 to register with the slot 13 in the sheet 10, formed for the reception of the pillar or post 14 which is inserted into the slot 13 through the slot 15. After the sheet 10 has been inserted in the binder and the pillar or post 14 has become seated in its proper filing slot 13, the slot 15 is closed by the arms 6 and 8 crossing each other as shown in Fig. 2 preventing the unauthorized withdrawal of the sheet 10 without leaving evidence in the binder, that the account, of which the sheet 10 may be a part, has been tampered with.

To more securely fasten the clip or fastener to the sheet 10 and the arms 6 and 8 to each other, I may locate any suitable fastening means upon the body portion of the slip and upon the arms 6 and 8. As shown in Fig. 1 I form an aperture 16 in one part of the body portion 2 and strike up another portion of the body member 2 to form a tooth 17 which is adapted to coöperate with the aperture 16, when the clip is bent upon the line 9, Fig. 1. I may locate any suitable fastening mechanism upon the arms 6 and 8. For example, I may form an aperture 18 in arm 8 and strike up a portion of the arm 6 to form a tooth 19, to coöperate with the aperture 18 when the arms are brought one above the other as shown in Fig. 2. In addition to this fastening means in the arms 6 and 8, I may also further secure the arms together by bending the end 20 of the arm 8 beneath the complementary arm 6 and bend back the end 21 of the arm 6 across the arm 8 as shown in Fig. 4. It is also to be understood that the slot 15 may be entirely closed by bending the arms 6 and 8 as above described, the fastening means 18 and 19 being omitted though I preferably use it.

In some cases I may omit the arms 6 and 8 as shown for instance, in Figs. 5, 6 and 7. In these figures the body 22 has a split ring 23 mounted at one end of it and at the other end a similar split ring 24, the blank being adapted to be bent upon the line 25. In this form I use any suitable fastening means on the rings 23 and 24 and I may also use fastening means upon the body member 22. In the preferred construction I form an aperture 26

in the body member 22 and aperture 27 in the ring 24 to coöperate respectively with the struck up portions of the body member 22 and the ring 23 which form teeth 28 and 29. This form of clip is adapted to be used to secure several sheets of paper together in the same manner as an ordinary paper fastener as shown in Fig. 6 where sheets 30 are securely held together by the clip or fastener. This form is also adapted to coöperate with a loose leaf 10 of a loose leaf binder to lock the sheet to a pillar 14. When so used one of the rings 23 or 24 is threaded through a slot 11 in the sheet 10, Fig. 2, and the clip is bent upon the line 25 bringing one of the rings 24 beneath the sheet and the other ring above it. The pillar or post 14 can be threaded through the opening 31 of the rings 23 or 24 by bending one end 32 of the ring down for instance, and the other end 33 up, subsequently bringing these ends 32 and 33 into substantially the same horizontal plane after the pillar 14 has been seated in the opening 34 of the rings 23, 24.

In some instances I may omit the fastening means 26 and 28 in the body portion and merely use fastening means on the rings 23, 24 as shown in Fig. 7.

Having thus described this invention in connection with an illustrative embodiment thereof, to the details of which I do not desire to be limited, what is claimed as new and what it is desired to secure by Letters Patent is set forth in the appended claims.

1. A paper fastener or clip having a body member, two split rings mounted one at each end of the body member and adapted to be brought one above the other, and arms carried by the rings adapted to cross each other.

2. A paper fastener or clip having a body member, two split rings mounted one at each end of the body member and adapted to be brought one above the other, arms carried by the rings adapted to cross each other and fastening means upon the arms.

3. A paper fastener or clip having a body member, two split rings mounted one at each end of the body member and adapted to be brought one above the other, and arms carried by the rings adapted to cross each other, the ends of the arms being adapted to be bent back on themselves to secure the arms in their crossed position.

4. A paper fastener or clip having a body portion, a split ring mounted at either end of the body member, arms extended out from the split rings at an angle to the longitudinal axis of the body member, fastening means upon the arms, the ends of the arms being adapted to be bent back upon themselves to hold the arms in their crossed position.

5. In combination with a loose leaf sheet for a loose leaf binder, a clip having a body portion, and a split ring on either end of the body portion the body portion being bent on itself to bring the split rings in register with each other on either side of a portion of the sheet.

6. In combination with a loose leaf sheet for a loose leaf binder, a clip having a body portion, a split ring on either end of the body portion and fastening means upon the split rings, the body portion being bent on itself to bring the split rings in register with each other on either side of a portion of the sheet.

7. In combination with a loose leaf sheet for a loose leaf binder, a clip having a body portion, a split ring on either end of the body portion and arms extending out from the split rings at an angle to the longitudinal axis of the body member and adapted to cross each other to secure the leaf in the loose leaf binder the body portion being bent on itself to bring the split rings in register with each other on either side of a portion of the sheet.

8. In combination with a loose leaf sheet for a loose leaf binder, a clip having a body portion, a split ring on either end of the body portion and arms extending out from the split rings at an angle to the longitudinal axis of the body member and adapted to cross each other to secure the leaf in the loose leaf binder, the ends of the arms being adapted to be bent back upon themselves the body portion being bent on itself to bring the split rings in register with each other on either side of a portion of the sheet.

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