

1,357,233.

Patented Nov. 2, 1920.

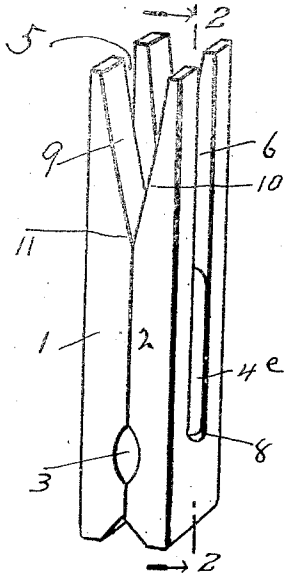


Fig. 1.

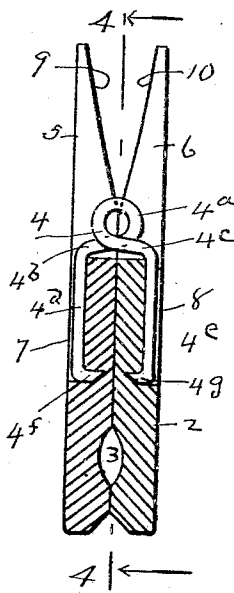


Fig. 2.

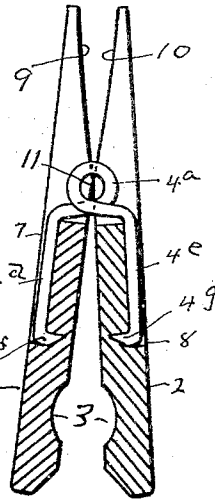


Fig. 3.

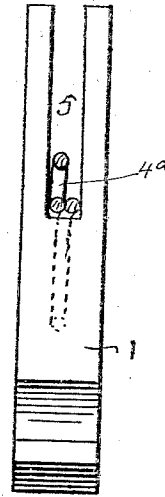


Fig. 4.

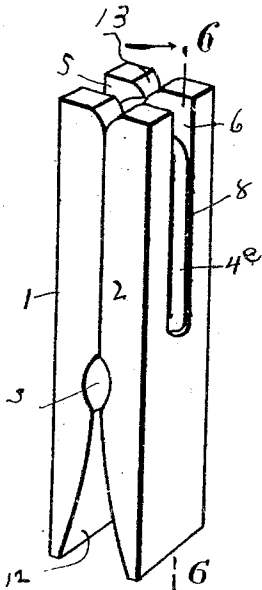


Fig. 5.

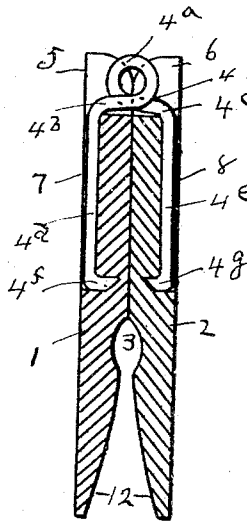


Fig. 6.

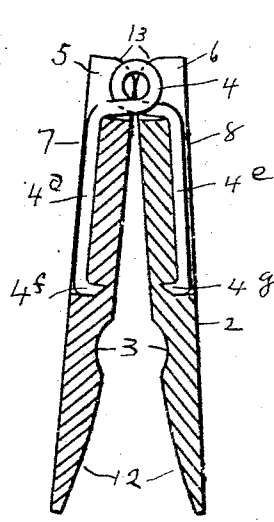


Fig. 7.

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UNITED STATES PATENT OFFICE.

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CLIP.

1,357,233.

Specification of Letters Patent.

Patented Nov. 2, 1920.

Application filed April 12, 1920. Serial No. 373,031.

To all whom it may concern:

Be it known that I, WILLIAM HAGELSTEIN, a citizen of the United States, and resident of New York, in the county of Richmond and State of New York, have invented certain new and useful Improvements in Clips, of which the following is a specification.

The object of my invention is to provide a clip having opposing gripping or clamping members and a spring member having arms located along the main members to retain them together and cause their gripping action, in one form of the invention the main members extending beyond the spring member to be gripped for spreading the opposite ends of said members to receive articles between them.

My invention comprises novel details of improvement more fully hereinafter pointed out and set forth in the claims.

Reference is had to the accompanying drawings forming part hereof wherein—

Figure 1 is a perspective view of a clip embodying my invention;

Fig. 2 is a section substantially on the plane of the line 2, 2 in Fig. 1;

Fig. 3 is a view like Fig. 2 showing the members spread to receive an article;

Fig. 4 is a section on the line 4, 4 in Fig. 2;

Fig. 5 is a perspective view showing my improved clip particularly adapted to serve as a clothes pin;

Fig. 6 is a section on the plane of the line 6, 6 in Fig. 5, and

Fig. 7 is a view similar to Fig. 6 showing the members spread apart.

Similar numerals of reference indicate corresponding parts in the several views.

The main members 1, 2 of the clip have meeting faces adapted to be substantially parallel, and said faces may be provided with opposing recesses 3. A spring member is indicated at 4 shown having a central coil 4^a from which the wire extends laterally in opposite directions at 4^b, 4^c from which opposing arms 4^d, 4^e extend along the outer parts of members 1, 2. The members 1, 2 are provided with longitudinal recesses 5, 6 opening transversely through the members, and along the outer sides of said members are grooves 7, 8 that communicate with the recesses 5, 6 respectively. The coil 4^a and its side extensions 4^b, 4^c are located in the re-

cesses 5, 6 and the arms 4^d, 4^e are respectively located in the grooves 7, 8. The free ends of arms 4^d, 4^e are extended laterally at 4^f, 4^g, and are preferably sharpened, to be driven or entered into the wood or other material of members 1, 2, as shown, whereby said members are retained from longitudinal displacement.

In the form shown in Figs. 1 to 4 the inner faces of members 1, 2 beyond the coil 4^a are inclined from the inner meeting faces outwardly at 9, 10 to the respective ends of said members, so that said ends are normally spaced apart, whereby when said ends of members 1 and 2 are gripped and squeezed by the operator the opposite ends of the members will be spread apart to receive an article therebetween, the adjacent meeting faces of said members at 11 bearing against one another as a fulcrum. When the members 1, 2 are released the spring member will cause them to approach to grip the article.

In the form shown in Figs. 5, 6 and 7 the gripping end portions 12 of members 1 and 2 are, beyond recesses 3, beveled or tapered to admit a clothes line, when the clip is pushed on the line, the clip thus serving as a clothes pin. The rear ends of members 1 and 2 are shown reduced or rounded at 13 to enable said members to swing freely when being pushed on a clothes line or other article to be gripped.

My improved clip may be used for various purposes usual with such devices for temporarily holding papers, fabric, clothes and the like, a particular feature of advantage being that the spring member has a coil and the parts of said member are inclosed within the material of the members 1, 2, the presence of the arms 4^d, 4^e in the grooves 7, 8 serving to retain members 1, 2 from separation by lateral strains, the ends 4^f, 4^g retaining the members 1, 2 in permanent relation, said arms clamping said members together.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:—

1. A clip comprising opposing members having opposing transverse recesses extending through the members, and a spring member having a coil in said recesses and arms extending along the outside of said members, said coil being within the recesses

free from the members to permit the latter to swing without bearing upon the coil.

2. A clip comprising opposing members having opposing recesses extending through the members, and a spring member having a coil and lateral extensions therefrom within said recesses, the spring member having arms extending from said extensions along

said members to clamp them together, the coil being within said recesses free from said members to permit the latter to swing without bearing upon the coil. 10

Signed at New York, in the county of New York and State of New York this 9th day of April, A. D. 1920.

WILLIAM HAGELSTEIN.