

P. E. SHEE.
CLIP.

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1,005,895.

Patented Oct. 17, 1911.

Fig 1

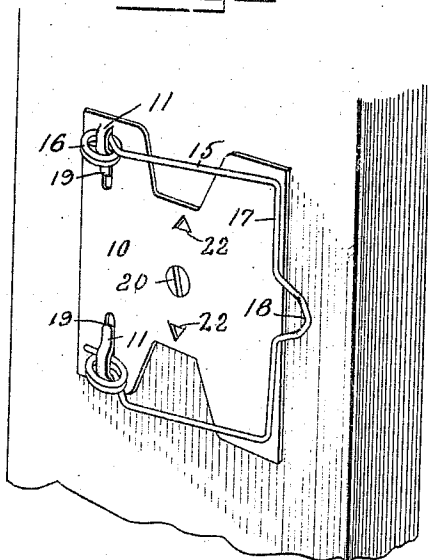


Fig 2

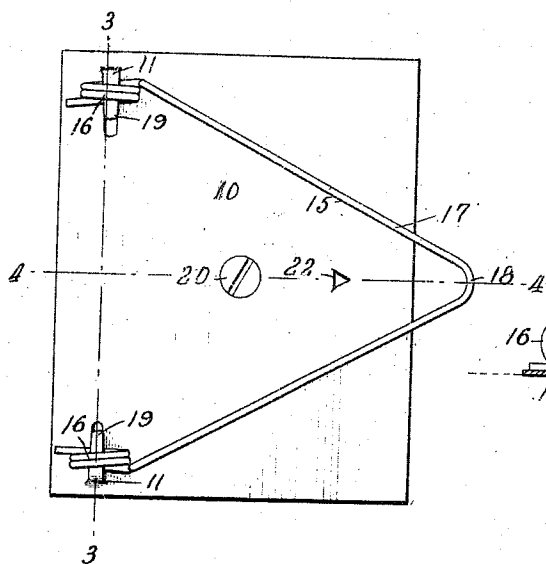


Fig 3

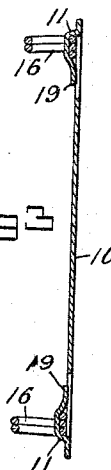
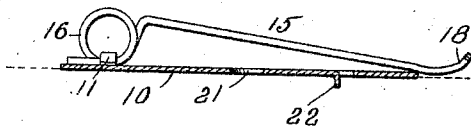


Fig 4



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Witnesses

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UNITED STATES PATENT OFFICE.

PARKE E. SHEE, OF LANCASTER, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO RALPH P. WILTON, OF WRIGHTSVILLE, PENNSYLVANIA.

CLIP.

1,005,895.

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To all whom it may concern:

Be it known that I, PARKE E. SHEE, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented new and useful Improvements in Clips, of which the following is a specification.

My invention relates to improvements in clips, and has particular relation to devices for temporarily receiving and retaining articles, such as newspapers.

The object of this invention is to provide a device of this character which is neat and attractive in appearance, durable in construction, formed of a minimum number of parts, and which can be manufactured at a relatively low cost.

To these and other ends, the nature of which will be readily understood as the invention is hereinafter disclosed, my invention consists in the improved construction and combination of parts, hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claim.

In the drawings in which similar reference characters indicate similar parts in each of the views,—Figure 1 is a perspective view of my device shown attached to a door frame. Fig. 2 is a front elevation of the same, the view showing a slightly modified form of the frame of the spring member. Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2. Fig. 4 is a sectional view taken on the line 4—4 of Fig. 2.

The base or supporting member of my improved clip, designated as 10, is preferably formed of sheet metal of a thickness sufficient to form a substantial base or support. The member 10 is preferably stamped out, and may be given any preferred form in outline, that shown in the drawings being convenient, neat in appearance, and employing a minimum amount of material. The member 10 is provided along one of its edges with stamped out tongues 11 which act as retaining elements for the spring member as presently described. These tongues 11 are spaced apart and have their forward ends extending toward each other, so that when raised above the plane of the face of the plate, they will present slots between the tongue and the plate, each slot having an open end, the open ends of the two slots facing each other. The tongues are positioned

some distance from the edge of the plate, that portion of the plate between the tongue and the edge acting as a supporting surface for the spring member as presently described.

The spring member, designated as 15 is preferably formed of a stout wire and formed in a single piece, said member being formed with coils 16 adjacent the free ends, the free ends extending tangentially to the coil. The opposite terminal of the coil preferably projects forwardly from the coil to form a frame 17, having its center bent into the form of a lip 18.

The two members are secured together by passing the coils within the open ended slots in such manner that the tongues 11 pass through the coils, the tongues then being bent downwardly to close the slots, thereby fixedly retaining the coils against axial movement. By reason of the fact that the tongues project toward each other the spring member, when being assembled may have its coils sprung toward each other sufficiently to permit them to enter their respective slots whereupon release of the compression permits the coils to spring outward to their normal positions within the slots, the normal resiliency of the wire retaining the coils in this position even though the tongues be not bent down to close the slots. As will be readily understood, the tongues may be in the nature of spring tongues, thereby enabling a ready assembling or disassembling of the members while at the same time the parts will be held against separation in use.

By forming the retaining element in such manner as to pass through the coils, the free ends, indicated as 19, rest upon the face of the base member and sustain the coils against pivotal movement without placing a tension or strain on the parts in such a manner as to tend to break the wire or the securing member for the wire.

The frame may be of the form shown in Fig. 1, or that shown in Fig. 2, in either case the lip 18 projecting forwardly beyond the outer edge of the base. Furthermore, the forward portion of the frame may lie upon the face of the base, as indicated in Fig. 1, or the frame may be bent so as to cause it to contact solely with the upper exposed corner of the base, the lip projecting below the top face of the base member, as indicated in Fig. 3, the purpose being to

cause the base member to support the spring member permanently out of contact with the frame, so as to prevent any liability of damaging the frame through the spring member. As will be readily understood the showing in Figs. 1, 2 and 3 of the form of the frame and the particular point of contact of the frame with the base, is simply an exemplification of different ways in which this may be done, it being understood that I may employ either form of frame with either type of supporting contact.

As will be obvious, the clip or gripping device is in the form of an article of manufacture and comprises two members so formed and arranged as to provide an exceedingly durable construction, one that is readily operated, and one that can be made at an extremely low cost.

For the purpose of securing the device to the door frame, I preferably employ but a single screw 20, passed through an opening 21 formed in the base plate or member 10. To prevent rotation of the base on the screw, I preferably form one or more spuds 22 at the time of stamping the plates or subsequent, these spuds being adapted to sufficiently penetrate the base of the door frame when the device is being secured in position to prevent the base member from rotating.

The main purpose of the present invention is to provide a device which is especially adapted for use as a temporary receiving and retaining means for newspapers, the device being secured in a suitable place where ready access thereto may be had by the carriers. By reason of the form of the device and the abilities to use relatively stout material, all liability of the contents blowing away by the wind, is eliminated, while at the same time the positioning of the device

in a sheltered place, prevents damage by rain or snow.

While the invention is particularly applicable for use for the purpose indicated, it will be readily understood that the structure may be employed for other purposes such as the ordinary spring grip of commerce.

While I preferably form the spring member of a single piece of wire for the purpose of cheapness, it is to be understood that other ways of forming the frame portion of the spring member may be employed as in ordinary clips, so long as the particular way of mounting the coils, viz., by passing the retaining element through the coil, is employed, I reserving the right to make any and all such modifications therein as may be deemed desirable in use and which will fall within the spirit and scope of the claim hereto appended.

What I claim is:—

A clip comprising a sheet-metal plate forming a base member, said plate having struck-up integral tongues adapted to form slots having closed ends, opposite ends being toward each other, and a spring member having coils normally spaced apart approximately the maximum distance between the outer closed ends of the slots, said coils being movable toward each other to permit insertion within the slots, the tongues extending through the coils and being bent toward the plate to form a closure for said opposite ends of the slots.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

PARKE E. SHEE.

Witnesses:

CHAS. W. ERBY,
F. WARDE SHEE.