

No. 701,068.

Patented May 27, 1902.

J. M. MAYS.
SPRING CLIP.

(Application filed Nov. 12, 1901.)

(No Model.)

Fig. 1-

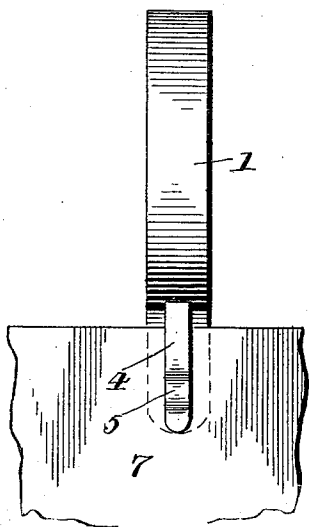


Fig. 2-

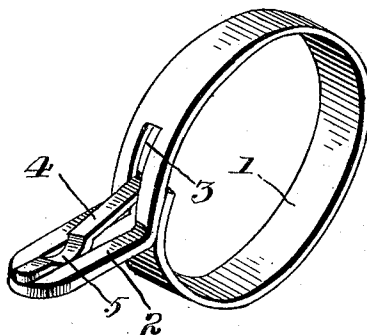


Fig. 3-

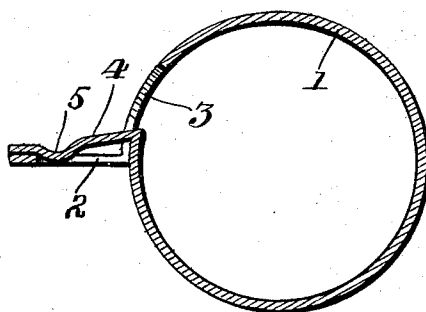


Fig. 4-

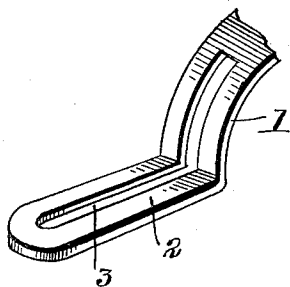
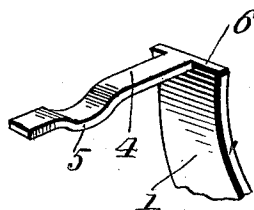


Fig. 5-



Witnesses:

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UNITED STATES PATENT OFFICE.

JAMES M. MAYS, OF ALLEGHENY, PENNSYLVANIA.

SPRING-CLIP.

SPECIFICATION forming part of Letters Patent No. 701,068, dated May 27, 1902.

Application filed November 12, 1901. Serial No. 81,992. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. MAYS, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Spring-Clips, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in spring-clips, and may be employed in various connections where it is desired to suspend an article or to fasten a series of articles together.

Briefly described, my invention comprises a spring-clip which is formed from a single piece of flat metal bent in substantially circular form with its ends turned at right angles to the circular body, one of said ends being formed into a tongue and the other end and a part of the body portion being slotted to receive said tongue, the article or articles to be held being adapted to be grasped between the spring-tongue and the slotted end, as will be hereinafter more fully described.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

Figure 1 is a front elevation of my improved spring-clip, showing the manner of holding the article therein. Fig. 2 is a detail perspective view of the clip. Fig. 3 is a central vertical sectional view. Fig. 4 is a detail perspective view of the slotted end. Fig. 5 is a like view of the opposite end, showing the spring clamping-tongue.

My improved spring-clip may be used as a supporting means for suspending curtains from poles, may be used as a bill-file, or in various other connections where it may be desired to clamp and hold an article in a manner that it may be readily attached or detached.

My improved clip is constructed from a piece of flat sheet metal of a suitable width which is bent around a mandrel or other device to form a substantially circular band or ring 1, one end of which is extended out-

wardly at substantially right angles to the band, and this end 2 is provided with a slot 3, which extends from a point near the end to a point some distance into the annular band 1, the slot being, therefore, angular in form. The other end of the band or ring 1 is reduced in width and bent outwardly at substantially right angles to form a spring-tongue 4, that is depressed intermediate of its ends, so that the lower face thereof at one point projects below the remainder of the lower face of the tongue, this bulge or offset 5 engaging the article to be clasped, so as to depress the same into the slot 3. The shoulders 6, which are formed at the rear of the tongue 4 by forming this tongue, engage against the inner face of the band 1, and as the tongue 4 is of slightly greater length than the angular end 2 the outer end of this tongue and the outer end of the portion 2 are substantially flush, so that no danger of the ends becoming disengaged when the band or ring 1 is compressed is experienced. In Fig 1 I show how the article 7 is clamped between the angular slotted end 2 and the spring-tongue 4, the offset portion 5, impinging upon the cloth, paper, or other article 7, forcing the same into the elongated slot 3 and securely holding the article in position. Compression of the band or ring 1 by pressure on the upper and lower sides thereof serves to elevate the spring-tongue 4, permitting the ready disengagement of the article from between the ends of the band or ring. When used as a curtain-suspending clip, the bands or rings 1 are placed upon the curtain-pole, and the angular ends of the band or ring will extend downwardly and grasp the curtain therebetween.

It will be noted that in the practice of the invention various changes may be made in the details of construction without departing from the general spirit of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A spring-clip comprising a circular metallic band, an outwardly-extending straight portion having a slot formed therein, extending into the circular band, a tongue formed integral with the other end of said circular

band corresponding in width to said slot and
extending at an angle to said straight portion
engaging the outer end of said outwardly-
extending straight portion, and an offset
5 formed in said tongue and projecting into
the outer end of said slot, substantially as de-
scribed.

In testimony whereof I affix my signature
in the presence of two witnesses.

JAMES M. MAYS.

Witnesses:

JOHN NOLAND,
E. E. POTTER.