July 24, 1923. 1,462,925

W. WILBURGER

SPRING BINDER POST

Filed Dec. 12, 1921

Fig. 1.

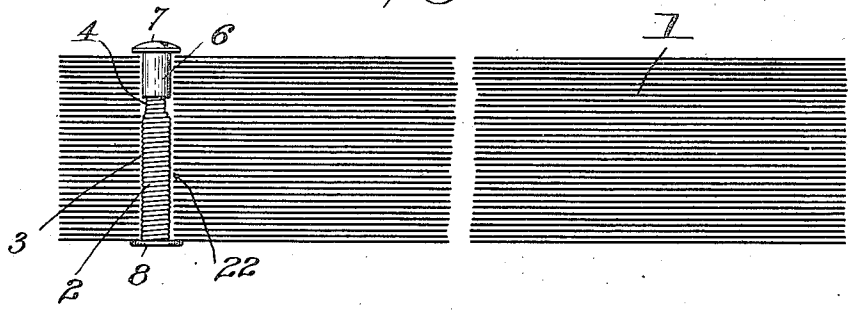


Fig. 2.

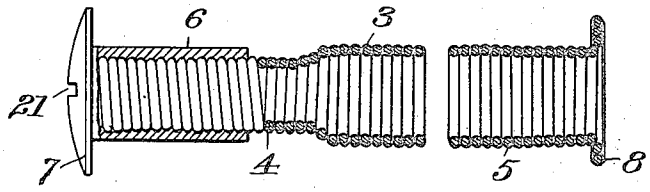


Fig. 3.

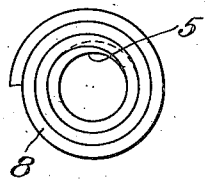
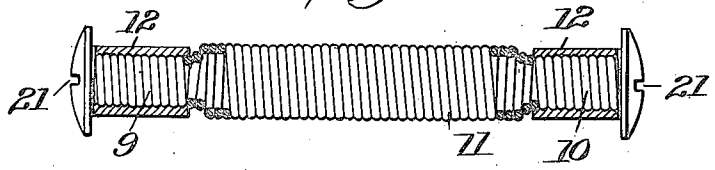


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM WILBURGER, OF BROOKLYN, NEW YORK.

SPRING BINDER POST.

Application filed December 12, 1921. Serial No. 521,782.

To all whom it may concern:

Be it known that I, WILLIAM WILBURGER, a citizen of the United States, and resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Spring Binder Posts, of which the following is a full, clear, and exact specification.

This invention relates to spring binder posts for use as temporary binders for loose leaf books or pamphlets, and has for its object to provide an improved post of coiled resilient wire on which papers may be placed more conveniently than in prior constructions, and secured in a novel and efficient manner.

Another object is to provide an extensible binder post which may be adjusted in length to accommodate different numbers or thicknesses of leaves, so that additional leaves may be added to a book, thereby materially increasing the thickness thereof without the necessity of changing the binder posts. Other objects will appear as the description proceeds.

The invention will be first hereinafter described in connection with the accompanying drawings, which constitute part of this specification, and then more specifically defined in the claims at the end of the description.

In the accompanying drawings, wherein similar reference characters are used to designate corresponding parts throughout the several views:

Figure 1 is a sectional view through a loose leaf pamphlet in which binder posts constructed substantially in accordance with this invention are used, the section being taken in line with one of said posts which is itself shown in elevation.

Figure 2 is a detailed longitudinal section of the post shown in Fig. 1 drawn to a larger scale.

Figure 3 is a lower end view of said post, and

Figure 4 is a broken longitudinal sectional view of a modified form of post which may be used interchangeably with the form illustrated in Figures 1 and 2.

Referring first to Figures 1 and 2, 1 designates a pamphlet consisting of a plurality of leaves bound together by any suitable number of posts 2. Each of said posts 2 has its shank formed of a single piece of coiled wire 3, the upper end portion 4 of which is of smaller diameter than its lower portion 5 to facilitate the placing of the leaves of the pamphlet on said posts. Each leaf of the book has a hole 22 of a size to fit loosely around the lower portion 5 of each post. The reduced upper end portion 4 of the shank also permits the cylindrical portion 6 of a head or cap 7 to be screwed over the same, for fastening the leaves on the post, without increasing the diameter of said upper portion of the shank beyond the diameter of the lower portion 5 thereof.

The lower head 8 of the shank 2 may be formed integral therewith by extending some of the coils of the wire at the base of the larger portion 5 in spiral form, as illustrated in Figure 3. When the lower head of the post is formed integral in this way, the danger of a separable head becoming displaced is avoided. The flat spiral head is also more compact and occupies less space than would be taken up by an attached head.

As illustrated in Figure 4, both end portions 9 and 10 of the coiled wire shank may be made smaller in diameter than its central portion 11, and caps 12 similar to the cap 7 illustrated in Figures 2 and 3, may be screwed over both of said reduced end portions. It will be understood that the cylindrical portions of said caps are internally threaded to engage the spaces between the coils of the wire of which the reduced ends of the shank are formed.

I claim:

1. A binder post of the character described formed of a single piece of coiled wire having one end portion of reduced diameter, and a cap having an internally threaded socket to screw over said reduced end of said shank.

2. A binder post of the character described formed of a single piece of coiled wire having one end portion of reduced diameter, and a cap having an internally threaded socket to screw over said reduced end of said shank, the socketed portion of said cap being of substantially the same external diameter as the larger portion of the shank.

In testimony whereof I have signed my name to this specification.

WILLIAM WILBURGER.