

No. 879,007.

PATENTED FEB. 11, 1908.

J. S. ROOT.
PAPER CLIP.

APPLICATION FILED OCT. 29, 1906.

Fig. 1.

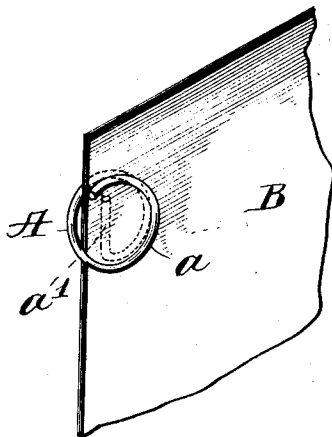
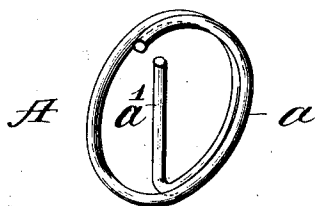


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN SHERMAN ROOT, OF CHICAGO, ILLINOIS.

PAPER-CLIP.

No. 879,007.

Specification of Letters Patent.

Patented Feb. 11, 1908.

Application filed October 29, 1906. Serial No. 341,016.

To all whom it may concern:

Be it known that I, JOHN SHERMAN ROOT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Paper-Clips, of which the following, taken in connection with the drawing, is a specification.

The primary object of my invention is to produce a device for holding papers together, so that they may be readily detached without being defaced, torn or mutilated, and one that will have greater gripping surface than clips as heretofore constructed.

Another object of my invention is to provide what I shall term a reversible clip. One of the difficulties with paper clips now in use is that the spring tension is soon exhausted and the clip is practically worthless. With my construction it is simply necessary to pass one circle over the other to restore the original tension, thereby prolonging the usefulness of the device.

In the accompanying drawings forming part of this specification, and in which like letters of reference indicate corresponding parts, I have illustrated one form of device embodying the principle of my invention, although the same may be carried into effect in other ways without departing from the spirit of my invention, and in this drawing Figure 1 illustrates its application to a number of sheets of paper. Fig. 2 is a perspective view of my paper clip.

In the construction of these clips I employ wire sufficiently strong to provide the necessary tension, which is first coiled into a complete circle A, and continued in a similar

manner until approximately one half of a second circle *a* is formed, which fits closely upon the first circle after the manner of an extension spring. After the half circle is completed the end of the wire *a'* is bent at approximately right angles to a tangent to the coil and extends part way across the diameter of the clip. Pressure against the extended end *a'* will facilitate the opening of the circles for the admission of papers B, or other articles, which it is desired to hold together. The clip is then turned around until the papers, or articles to be held together are directly between the coils A and *a*, when an even contact or gripping force between the two coils is had which securely holds the articles together, with the end *a'* of the wire, pressing said papers closely together and affording a convenient means of removing the clip when it is desired to.

I claim:

A paper clip comprising a single piece of wire coiled upon itself to form a gripping contact between approximately one half of the circumference of said coils, the half of the coil forming the gripping contact adapted to be reversed from one side to the other of the main coil, and one end of the wire extending diametrically to the opposite end thereof, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN SHERMAN ROOT.

Witnesses:

C. S. CORNING,
G. W. JOHNSTON.