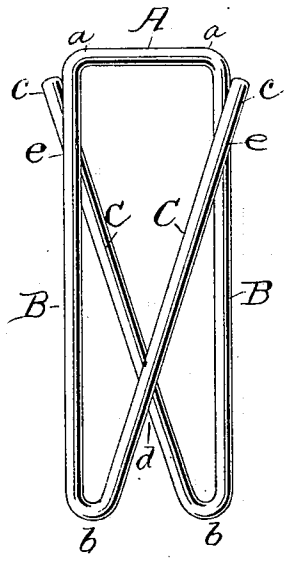
No. 819,766. PATENTED MAY 8, 1906.

F. J. KLEIN.

PAPER CLIP.

APPLICATION FILED MAR. 27, 1905.



Witnesses:
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Otho. E. Barnes

Inventor:
Fred J. Klein
by
Atty.

UNITED STATES PATENT OFFICE.

FRED J. KLEIN, OF NEW YORK, N. Y.

PAPER-CLIP.

No. 818,766. Specification of Letters Patent. Patented May 8, 1906.

Application filed March 27, 1905. Serial No. 252,364.

To all whom it may concern:

Be it known that I, FRED J. KLEIN, a citizen of the United States, residing in the city, county, and State of New York, have invented a new and useful Improvement in Paper-Clips, of which the following is a specification.

The object of my invention is to provide an efficient paper clip or holder constructed so that it can be easily applied, presents no sharp points to mutilate the papers, yet holds firmly, and can be economically manufactured.

The accompanying drawing shows the form of my paper-clip preferred by me, although variations therein may manifestly be made without departing from the principle of construction or mode of operation of the same.

In carrying out my invention I construct the clip of a single length of straight resilient wire of suitable size by bending the same at *a a* to form the upper member A and the two side arms or lengths B B, so that they shall lie in the same plane and point in the same direction. Having done this, I now bend said side arms or lengths at points *b b* between their ends and *a a*, so as to throw each of said ends inwardly and diagonally up and against the other side arm or length. As thus formed the terminal arms C C cross one another and provide three points of contact at *d e e*, each side arm and the terminal arm connected therewith being on the same side of the other side arm and terminal arm in spring bearing contact therewith, said terminal arms ending at the points *c c* at or below the bends *a a*. The clip as thus made, if the bending is done in the same plane, will have a certain amount of tension or tendency of each side and terminal arm to displace the other and throw it out of line, which tension is very necessary to its efficiency.

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

1. A paper-clip formed from a single length of wire bent to form a straight upper member, side arms at right angles thereto and extending in the same direction, and terminal arms at the ends of said side arms, crossing each other, extending toward said upper member, and having their ends resting on said side arms just below their connections with said upper member; each side arm and the terminal arm connected therewith being on the same side of the other side arm and terminal arm, and in spring bearing contact therewith.

2. A paper-clip formed from a single length of wire bent to form an upper member, side arms extending therefrom at symmetrical angles, and terminal arms at the ends of said side arms, crossing each other, extending toward said upper member, and having their ends resting on said side arms; each side arm and the terminal arm connected therewith being on the same side of the other side arm and terminal arm, and in spring bearing contact therewith.

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

FRED J. KLEIN.

Witnesses:
LILLIAN SAFFERY,
ADNA G. BOWEN.