

No. 812,800.

PATENTED FEB. 13, 1906.

J. McLEAN.
PAPER CLIP.

APPLICATION FILED FEB. 16, 1905.

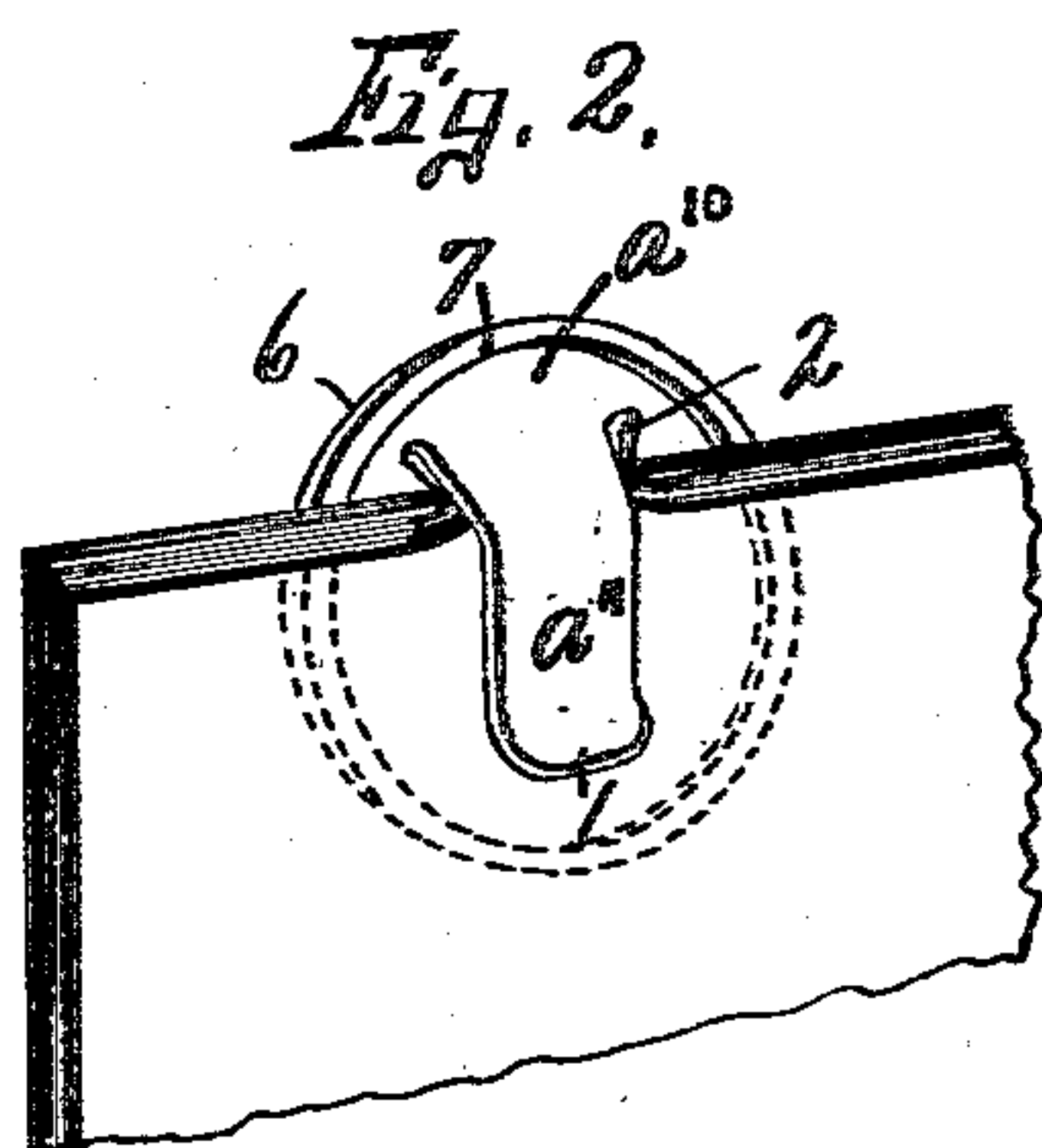
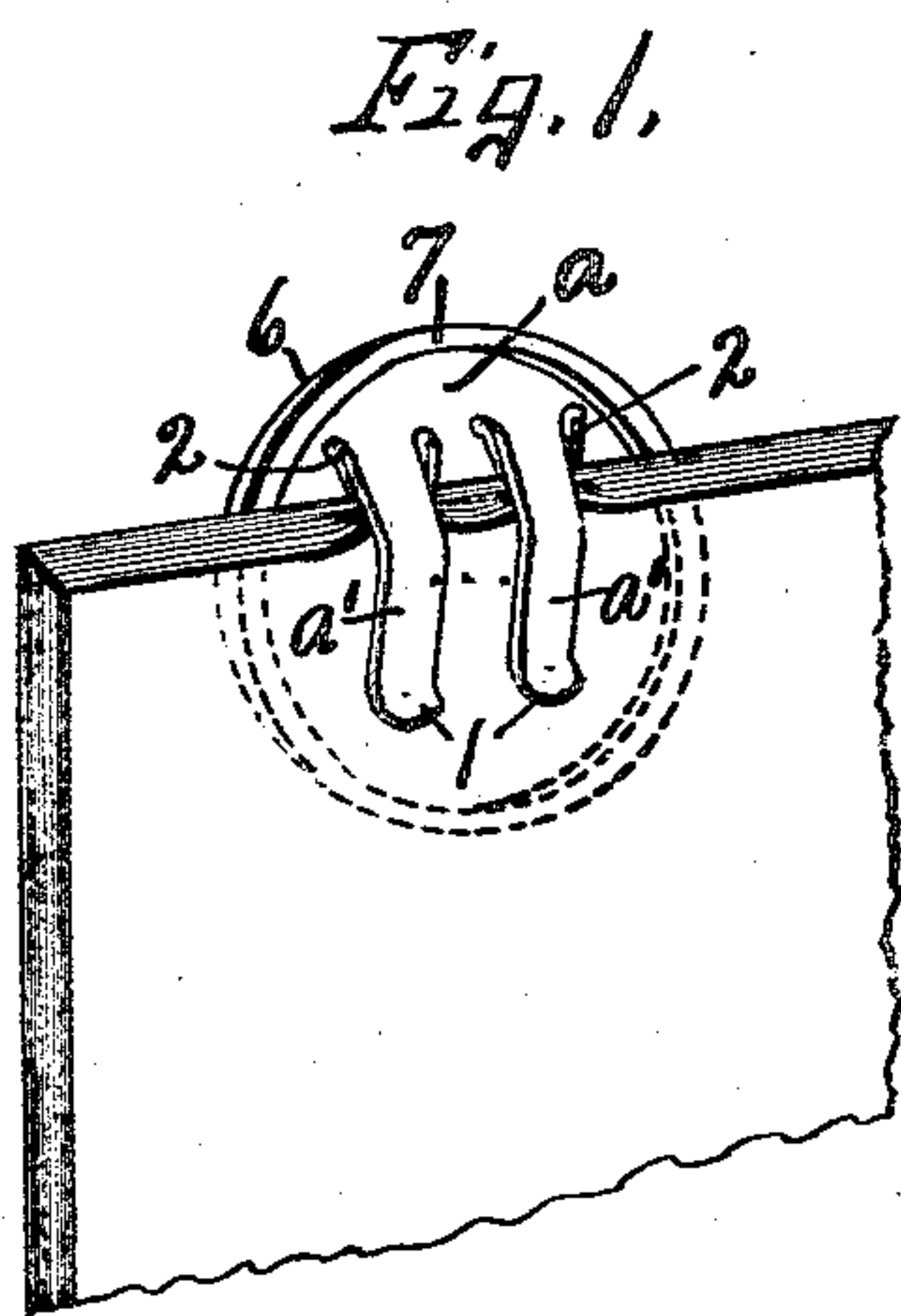


Fig. 3.

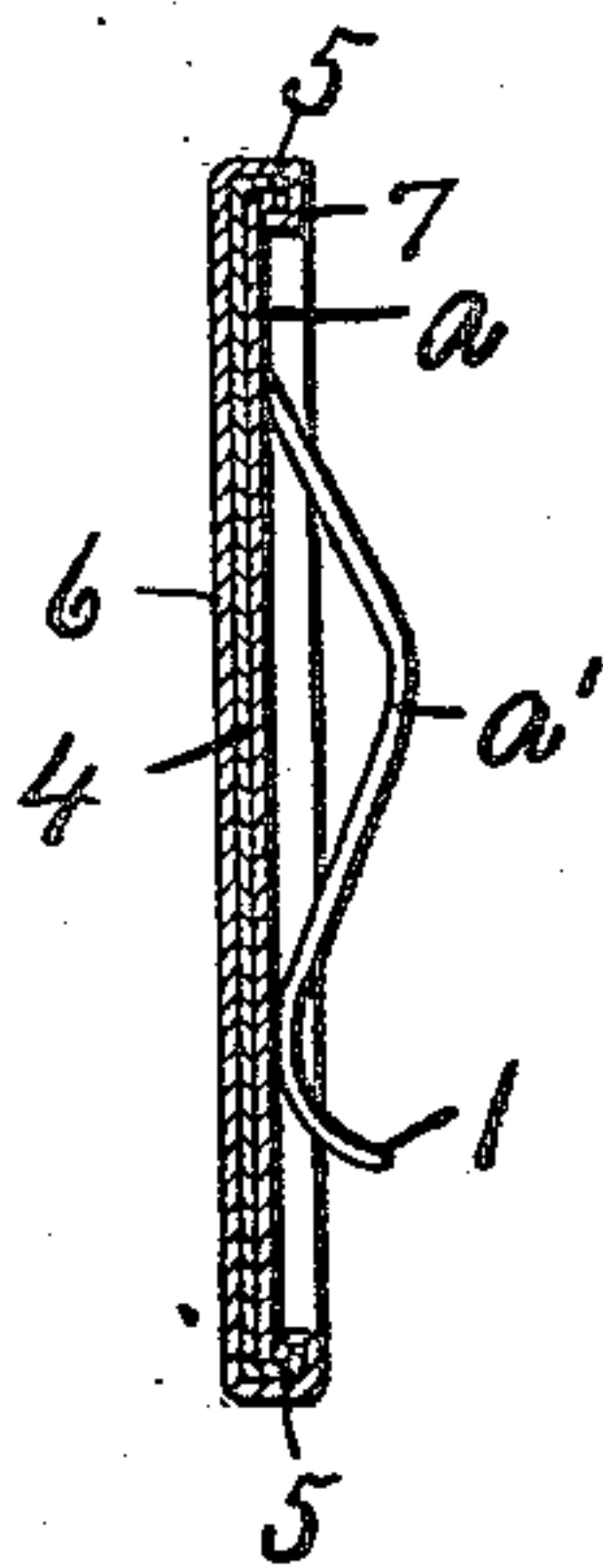


Fig. 6.

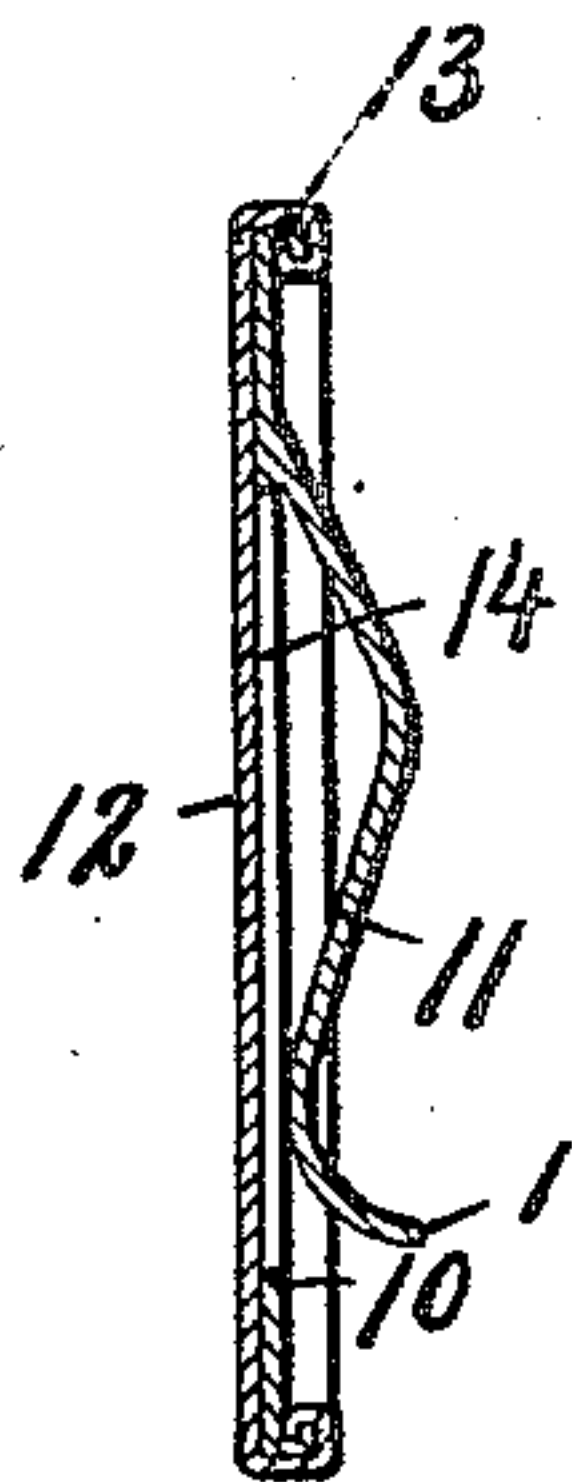


Fig. 4.

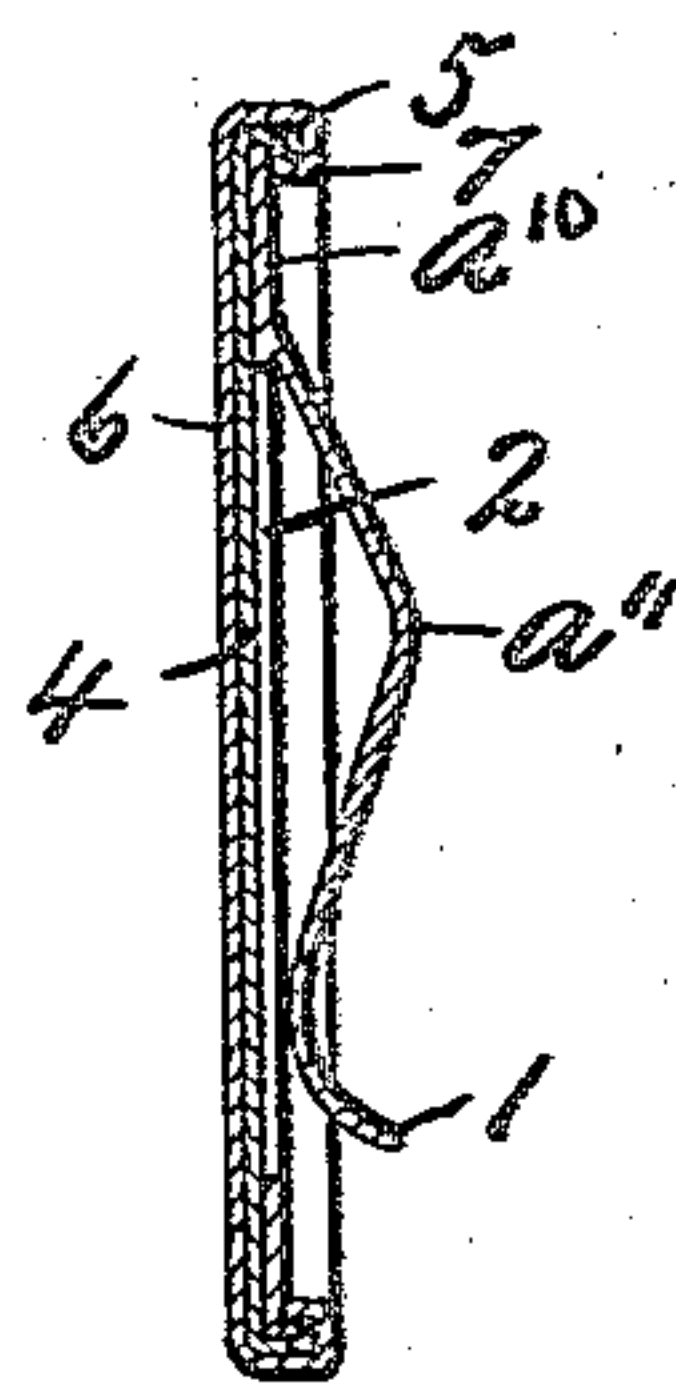
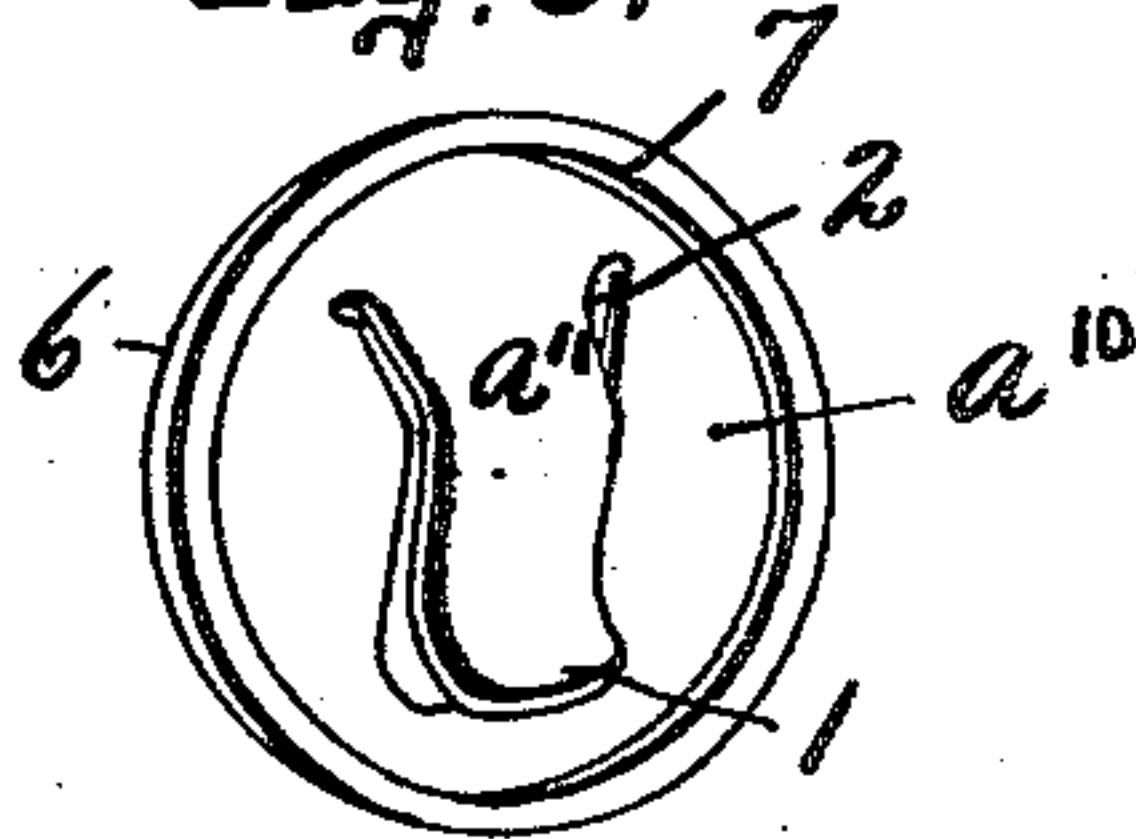


Fig. 5.



WITNESSES:

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PAPER-CLIP.

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Patented Feb. 13, 1906.

Application filed February 16, 1905. Serial No. 245,895.

To all whom it may concern:

Be it known that I, JOHN McLEAN, of Newark, in the county of Essex, in the State of New Jersey, have invented new and useful
5 Improvements in Paper-Clips, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to improvements in
10 paper-clips as a new article of manufacture, and is particularly adapted for use as an advertising novelty.

My object is to provide a paper-clip having
15 upon one side a spring-tongue adapted to clasp a paper or papers, while its other side is adapted to receive printed or other advertising matter.

This invention comprises, essentially, a
20 metal plate or disk having a portion thereof cut and bent into the form of a clasp or tongue and provided with a celluloid or equivalent material which is adapted to receive an emblem, print, or advertising matter.

In the drawings, Figures 1 and 2 are per-
25 spective views of my improved paper-clip shown as clasping the edges of a series of papers, Fig. 1 showing a pair of tongue-clasps and Fig. 2 showing a single spring-clasp. Figs. 3 and 4 are enlarged sectional
30 views of the device seen in Figs. 1 and 2, respectively. Fig. 5 is a perspective view of the paper-clip seen in Figs. 2 and 4. Fig. 6 is a sectional view similar to Figs. 3 and 4, showing a slightly-modified form of my clip
35 in which the celluloid face is applied directly to the metal disk from which the spring-tongue is formed.

a represents a circular metal disk having
40 two tongues a' , which are cut from the main body of the disk a , leaving one end united to said main body, while the other end is free to spring outwardly.

The central portion of each tongue is
45 arched or bent rearwardly, so as to stand out some distance from the main body, while the free end of each tongue normally lies in close proximity to the main body and is curved outwardly at 1 to enable the paper to be readily inserted between the tongue and adja-
50 cent face of the disk, or in some instances I may use a similar circular disk a^{10} , having a single tongue a^{11} , as shown in Fig. 2, in which case the single tongue would be formed in the same manner as that described for the tongue
55 seen in Fig. 1.

The disk a and its tongues a' are made of

thin spring metal, the tongue being formed from the main body of the disk, and therefore leaves one or more openings 2 through the disk, according to the number of tongues 60 which may be employed.

In the structures seen in Figs. 1 to 5, inclu-
sive, each metal disk a and a^{10} is fitted with a cup-shape metal disk 4, having a marginal flange 5, inclosing their respective disks a and
65 a^{10} , and upon the outer face of the cup-shape disk 4 is applied a facing 6, of celluloid or equivalent material, which is adapted to receive printed matter. This disk 6 is prefer-
70 ably circular and its marginal edge is crimped or overturned upon and within the flange 5 at the back of the disk a or a^{10} , so that the
marginal edges of this disk a or a^{10} are im-
pinged between the overturned edge, as 7, of
the celluloid disk 6 and main body of the
75 metal disk 4, which serves to lock all of the parts together.

In Fig. 6 I have shown a simplified con-
struction of paper-clip consisting of a cup-
shape disk 10 of thin spring metal having a
80 portion thereof cut and pressed from the main body to form a spring-tongue 11, similar to the spring-tongues a' . In this instance the celluloid disk, as 12, is applied directly to the flat face of the metal disk 10 and its mar-
85 ginal edges are bent back upon and within a marginal flange 13 of the disk 10, thereby locking the two disks 10 and 12 together.

It is evident that in the construction seen
in Fig. 6 the opening 14, which is formed by
90 stamping out the tongue 11 from the disk 10, leaves the underlying parts of the celluloid disk 12 exposed to contact with the paper which may be impinged between the tongue
95 11 and disk 10, which on account of the flexibility of the celluloid disk 12 would cause the latter to bulge outwardly, and I therefore introduce the metal disk 4, (seen in Figs. 1 to 5, inclusive,) so as to protect the thin celluloid covering 6.
100

The main feature of my invention consists
in providing a circular disk with a spring-
tongue which is stamped from a portion of
the disk and adapted to clasp the paper be-
105 tween the tongue and main body of the disk.

Although I have described this device as a
paper-clip, it is clearly evident that it may be
used as an advertising or campaign button,
in which case the spring clip or tongue could
be inserted through the buttonhole of the gar-
110 ment and clasped upon the fabric surrounding the buttonhole.

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

1. A paper-clip comprising a disk having a
5 marginal flange projecting from one side, and
a tongue attached at one end to the disk with-
in said flange, portions of the tongue project-
ing beyond the flanged side of the disk.
2. A paper-clasp comprising a circular disk
10 having a marginal flange projecting from one
side and a tongue projecting from the same
side within the flange and free at the end.
3. A paper-clasp comprising a circular
metal disk having an opening therethrough,
15 a second disk united to the margin and cover-
ing one side of the first-named disk and its
opening, and a tongue united to the first-
named disk at one end of the opening and pro-
jecting from the opposite or back side of the
20 first-named disk.
4. A paper-clasp comprising a metal disk
having a marginal flange projecting from one
side, and a tongue projecting from the same
side as the flange, said tongue being stamped
25 from the portion of the disk within the flange

and forming an opening, and a celluloid or
equivalent disk at the opposite side of the
first-named disk and having its marginal edges
united to said flange.

5. A clasp of the character described, con- 30
sisting of a thin circular disk of spring metal
having a portion thereof cut and pressed be-
yond one of its opposite faces for forming a
spring-tongue which is free at one end and
united at its opposite end to the main body 35
of the disk, a second disk applied to the oppo-
site face of the spring-metal disk and cover-
ing the opening formed by the stamping out
of the tongue, and a third disk of celluloid or
equivalent material applied to the outer face 40
of the second disk and having its marginal
edge crimped or turned over the marginal
edges of said second-named disk and against
the rear face of the spring-metal disk.

In witness whereof I have hereunto set my 45
hand this 7th day of February, 1905.

JOHN McLEAN.

Witnesses:

HENRY KEIPER,
H. W. HATHAWAY.