

No. 626,068.

T. C. JOHNSON.
CARTRIDGE HOLDING CLIP.

Patented May 30, 1899.

(Application filed Feb. 27, 1899.)

(No Model.)

Fig. 1

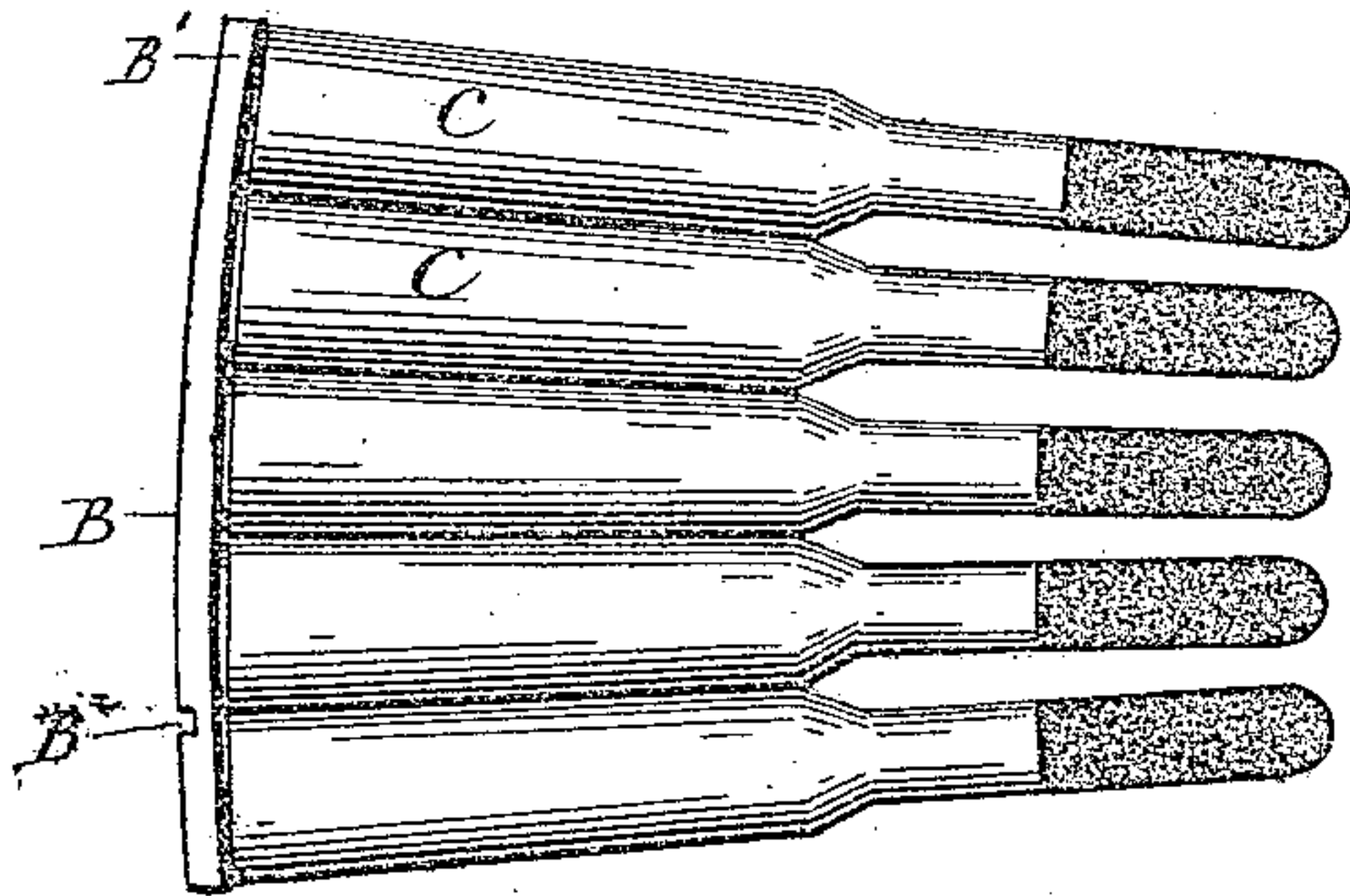


Fig. 2

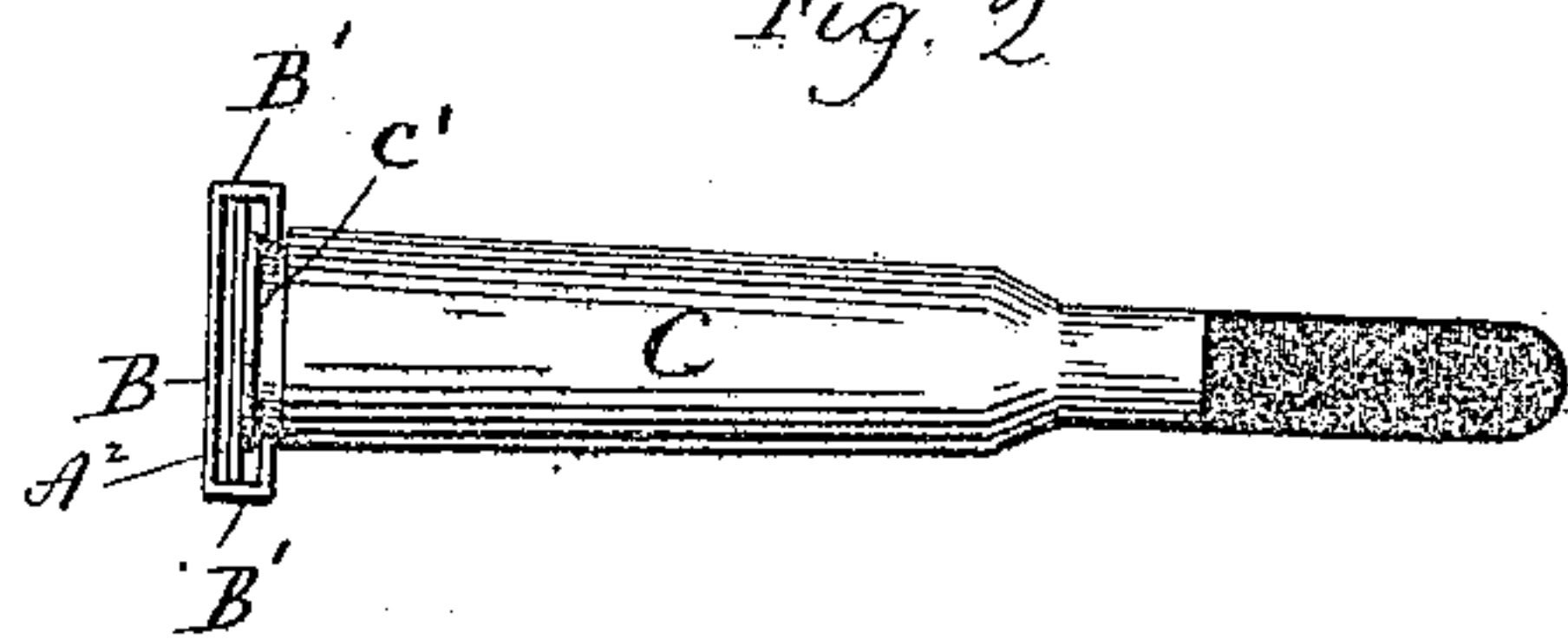


Fig. 3

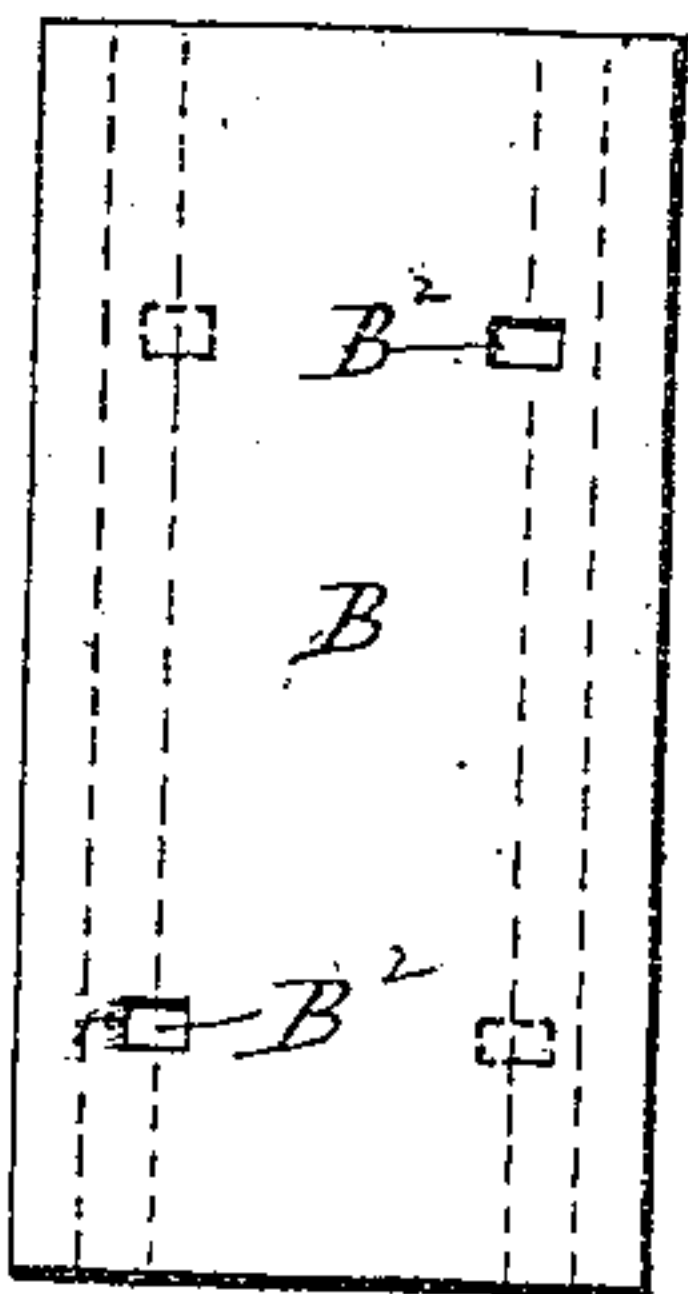


Fig. 4

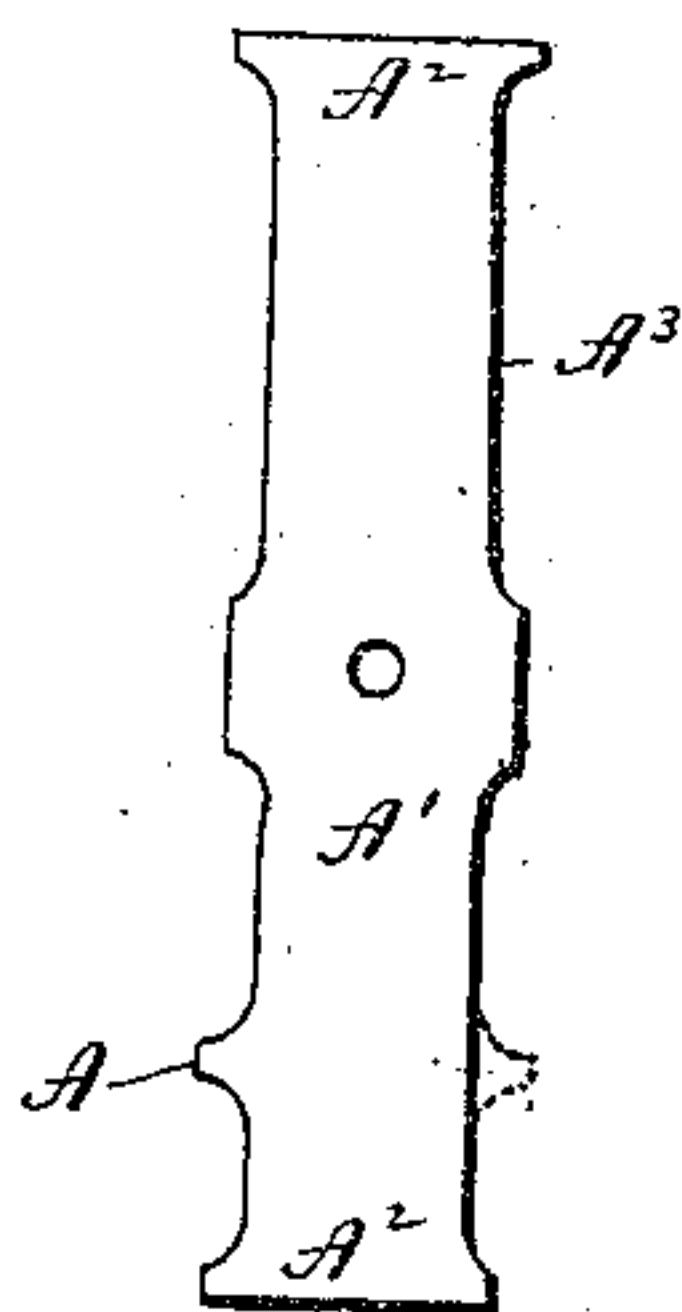


Fig. 5

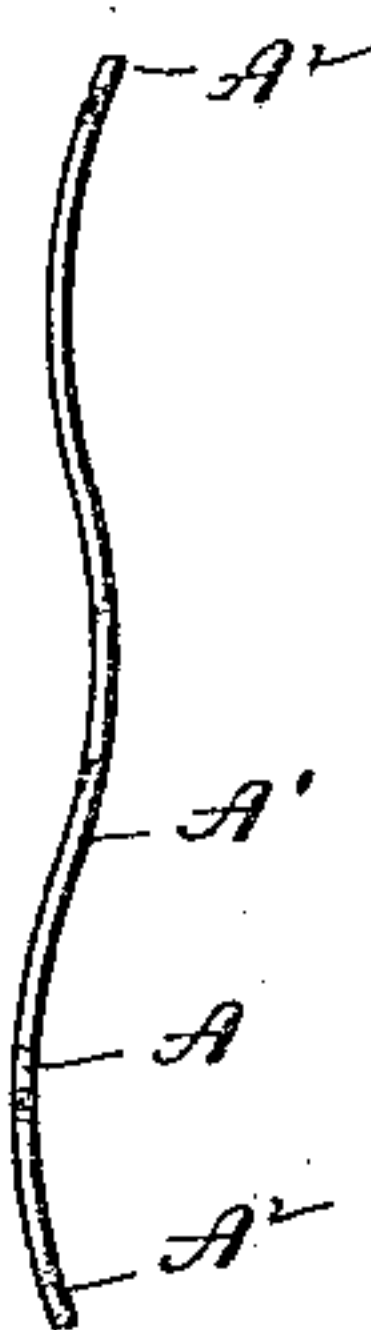


Fig. 6

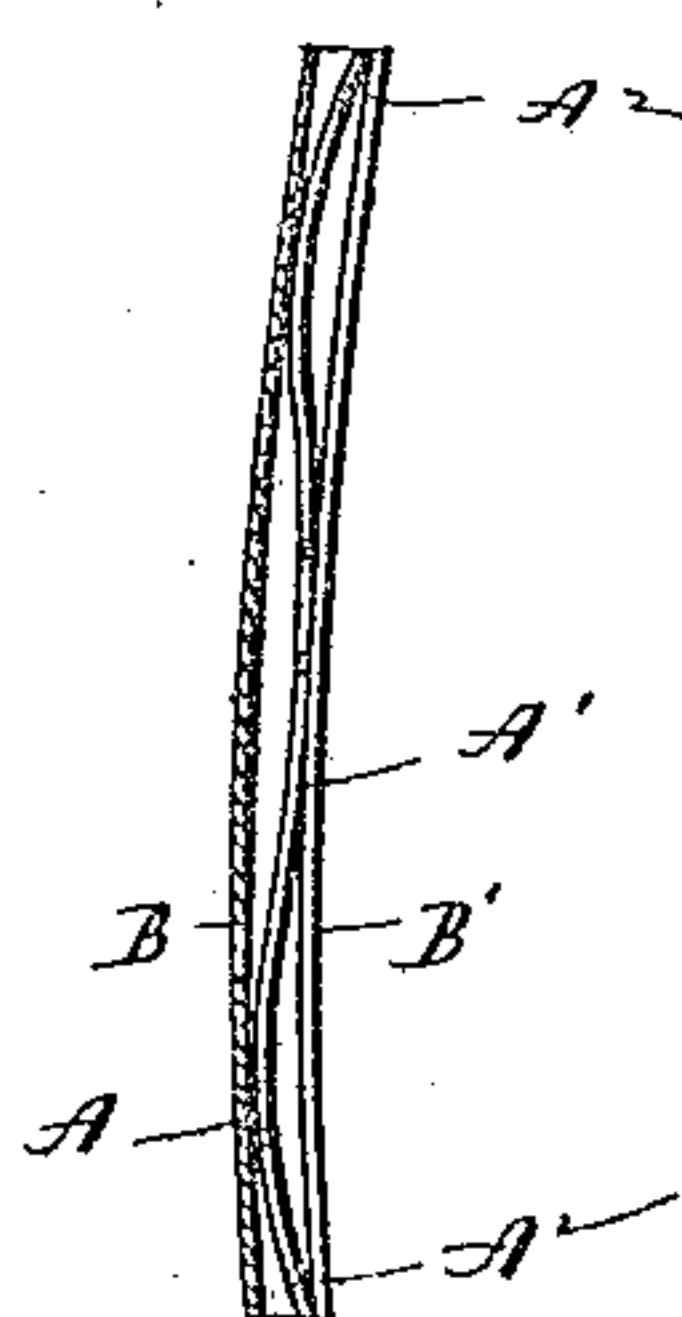
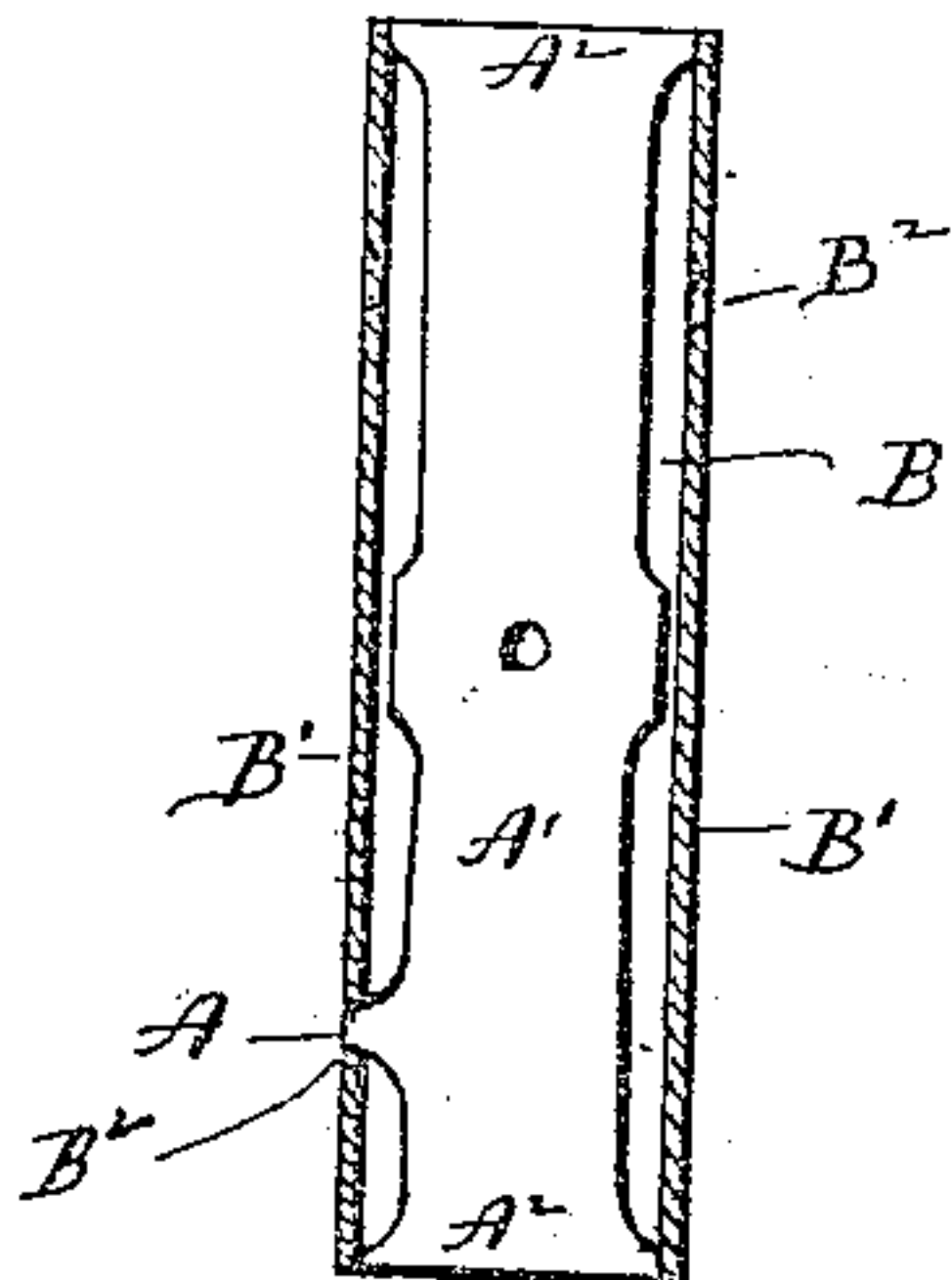


Fig. 7



Witnesses.

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UNITED STATES PATENT OFFICE.

THOMAS C. JOHNSON, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE
WINCHESTER REPEATING ARMS COMPANY, OF SAME PLACE.

CARTRIDGE-HOLDING CLIP.

SPECIFICATION forming part of Letters Patent No. 626,068, dated May 30, 1899.

Application filed February 27, 1899. Serial No. 706,957. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. JOHNSON, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Cartridge Holding Clips; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a view in side elevation of a temporary cartridge-clip constructed in accordance with my invention and charged with cartridges; Fig. 2, a plan view thereof; Fig. 3, a detached plan view of the clip-body blank after its provision with locking-openings; Fig. 4, a detached plan view of the retaining-spring; Fig. 5, an edge view thereof; Fig. 6, a view of the clip in central longitudinal section; Fig. 7, a sectional view of the clip in its plane and designed to show the extension of the retaining-finger of the spring into one of the locking-openings of the clip.

My invention relates to an improvement in that class of temporary cartridge-clips which are trough-shaped in cross-section, the object being to produce an extremely simple, light, convenient, and effective clip composed of only two parts and not liable to damage or derangement or to deterioration if repeatedly used.

With this end in view my invention consists in a temporary cartridge-clip having a flat sheet-metal retaining-spring formed upon one or both of its edges, with a laterally-projecting retaining-finger located in its plane and adapted to engage with the side flanges of the clip-body for holding the spring therein.

My invention further consists in details of construction and combination of parts, as will be hereinafter described, and pointed out in the claims.

In carrying out my invention as herein shown I form a laterally-projecting retaining-finger A upon one edge and near one end of the sheet-metal retaining-spring A', in the plane of which the said finger is located. It will be observed by reference to Fig. 4 that the said finger projects a little beyond a line

drawn between the corners of the enlarged ends A² A² of the spring, which is by preference made of tempered thin sheet-steel and struck up after tempering into the form of a double bow. It is not essential that the sides of the spring should be cut away, as at A³, that being done for the sake of the desirable quality of lightness. The said spring is introduced into the clip-body B, which is formed from such a sheet-metal blank, as is shown in Fig. 3, the broken lines of which represent the lines on which the edges of the blank are folded to form the flanges B' B', which engage with the edges of the cartridges, whether they are rim cartridges or rimless cartridges. As herein shown, the cartridges C are rimless and provided in their heads with grooves C', which receive the edges of the said side flanges B' B', as clearly shown in Fig. 2.

Prior to folding the clip-body blank upon the broken lines indicated in Fig. 3 the blank is provided with two small locking-holes B² B², located diagonally opposite each other on opposite sides of the blank and at equal distances from the ends thereof, these holes intersecting the side flanges when the same are formed. When the retaining-spring A' is forced endwise into the clip-body, its retaining-finger A springs into one of the two holes B² B², according to the end of the clip-body into which the spring is inserted, that being a matter of option. It is not necessary that the clip-body be provided with more than one of these holes; but by preference and for convenience it is provided with two, so that it will be a matter of indifference into which end of the clip-body the spring is introduced.

In order that the retaining-finger may be positively retained in one of the two holes B² B² of the clip-body, the spring is made of such a width with respect to the distance between the inner faces of the side flanges thereof that the force required to push it into the clip-body will cause it to be buckled a little in the vicinity of the retaining-finger, which when it reaches the hole will spring outward into the same and relieve the buckle of the spring, which cannot then be removed from the clip-body unless it is buckled again by the introduction into the clip of an instru-

ment which will elevate the spring and buckle it sufficiently to clear its finger of the hole. It will be understood, of course, that the spring is placed under considerable tension when it is forced into the clip-body and that this tension forces the heads of the cartridges into such engagement with the side flanges that they are retained in the clip-body under all ordinary conditions of usage, the ends A² of the spring being bent forward so as to hold the end cartridges of the charge of cartridges introduced into the clip.

It is apparent that in carrying out my invention some changes from the form herein shown and described may be made. I would therefore have it understood that I do not limit myself to such form, but hold myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of my invention. Thus, if desired, I may provide both edges of the retaining-spring with retaining-fingers A, the additional finger being shown by broken lines in Fig. 4. As shown in the said figure, the fingers are located approximately opposite each other; but that is not essential. Of course when more than one retaining-finger is employed the clip-body will be necessarily provided with more locking openings or holes which will correspond in position to the positions of the fingers. In Fig. 3 of the drawings I have shown by broken lines two additional locking-holes corresponding to the holes B² and properly arranged for a spring provided with two retaining-fingers, as shown in Fig. 4.

Having fully described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. In a temporary cartridge-holding clip, the combination with a sheet-metal clip-body provided with side flanges, of a sheet-metal retaining-spring adapted to be introduced into the said clip-body and placed under tension therein, and provided upon one or both of its edges with a laterally-projecting retaining-finger located in its plane, and adapted to be positively engaged with one or both of the flanges of the clip-body, for holding the spring against endwise displacement therein.

2. In a temporary cartridge-holding clip, the combination with a sheet-metal clip-body having each of its side flanges intersected by one or more locking openings or holes, of a sheet-metal retaining-spring adapted to be inserted into the said clip-body and placed under tension therein, and provided upon one or both of its edges with a laterally-projecting retaining-finger located in its plane, and arranged to enter the said holes or openings, into which they spring, after the retaining-spring itself has been buckled in introducing it into the clip-body, whereby the retaining-spring is positively held in the clip-body against endwise displacement.

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

THOMAS C. JOHNSON.

Witnesses:

FRED C. EARLE,
GEORGE D. SEYMOUR.