

(No Model.)

W. H. ELLIOT.  
MAGAZINE FOR FIRE ARMS.

No. 309,213.

Patented Dec. 16, 1884.

Fig. 3.

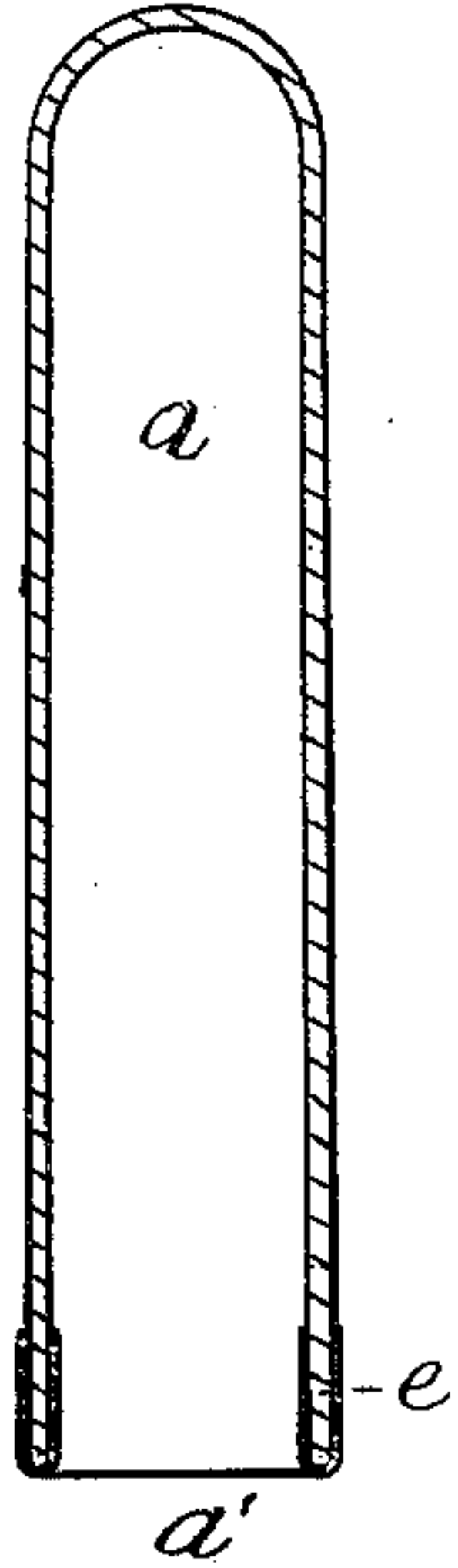


Fig. 1.

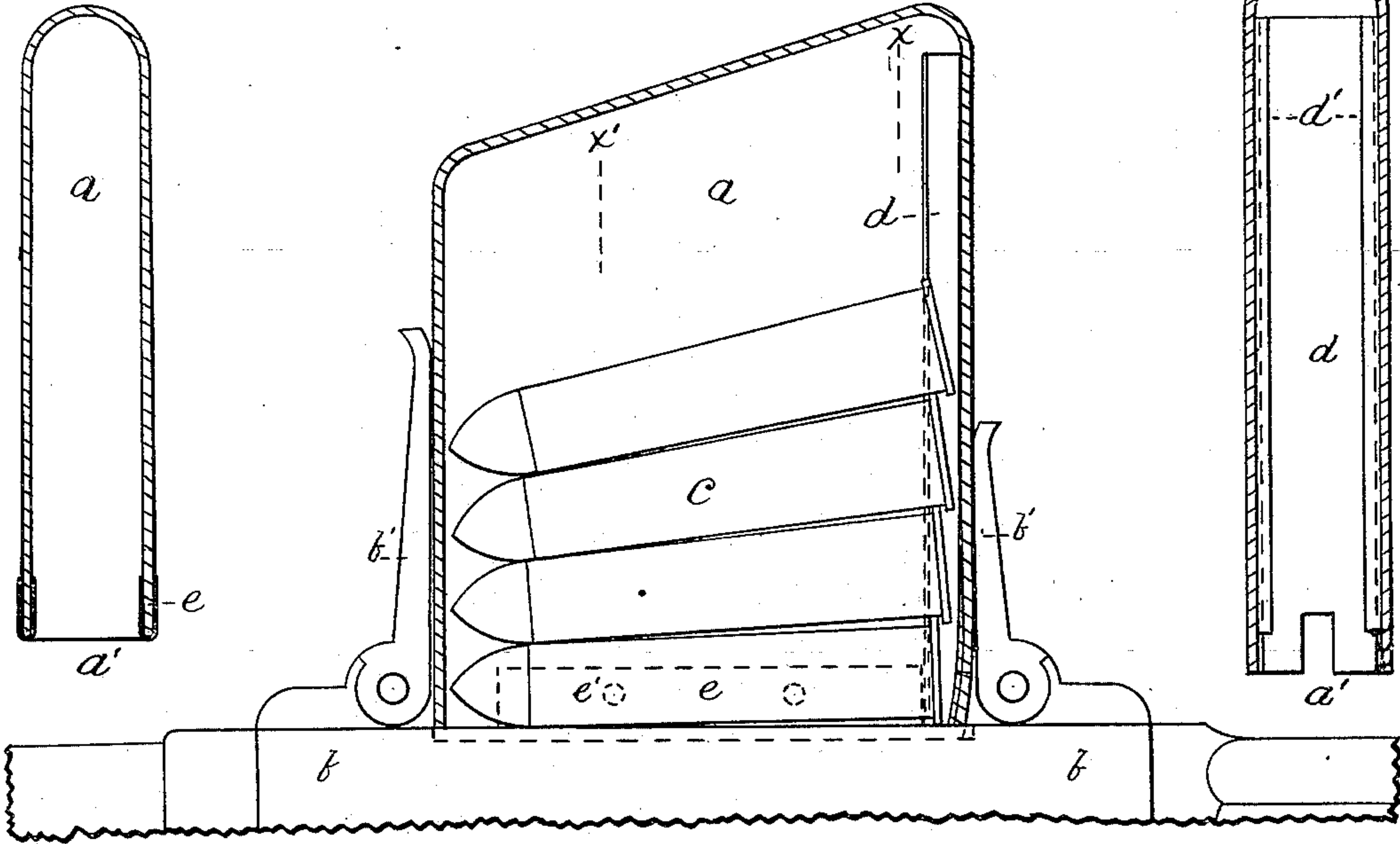


Fig. 2.

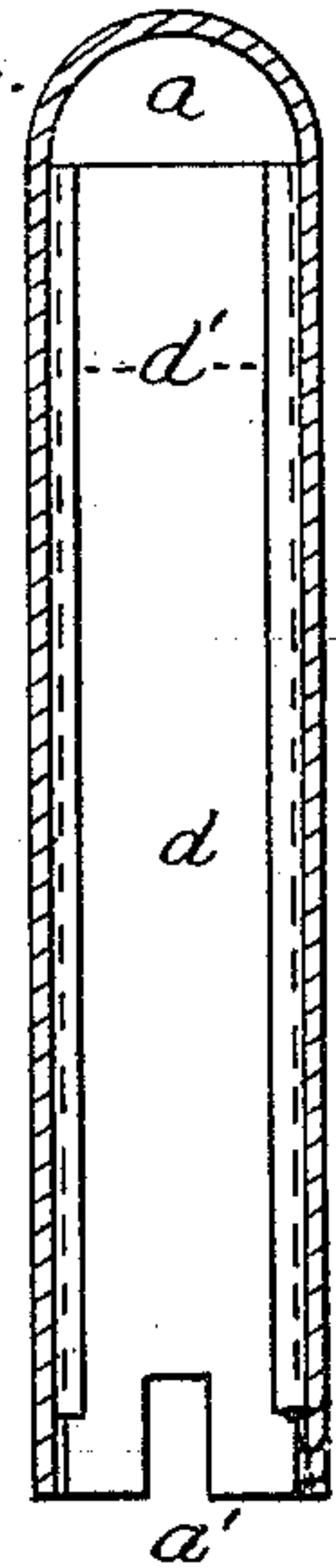


Fig. 4.

Ue

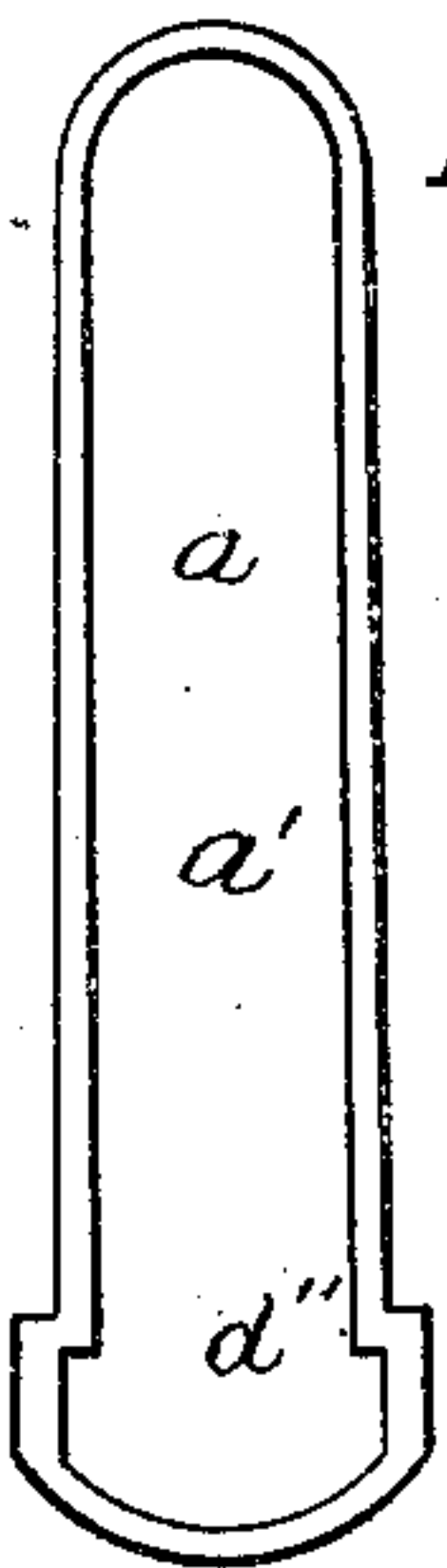


Fig. 6.

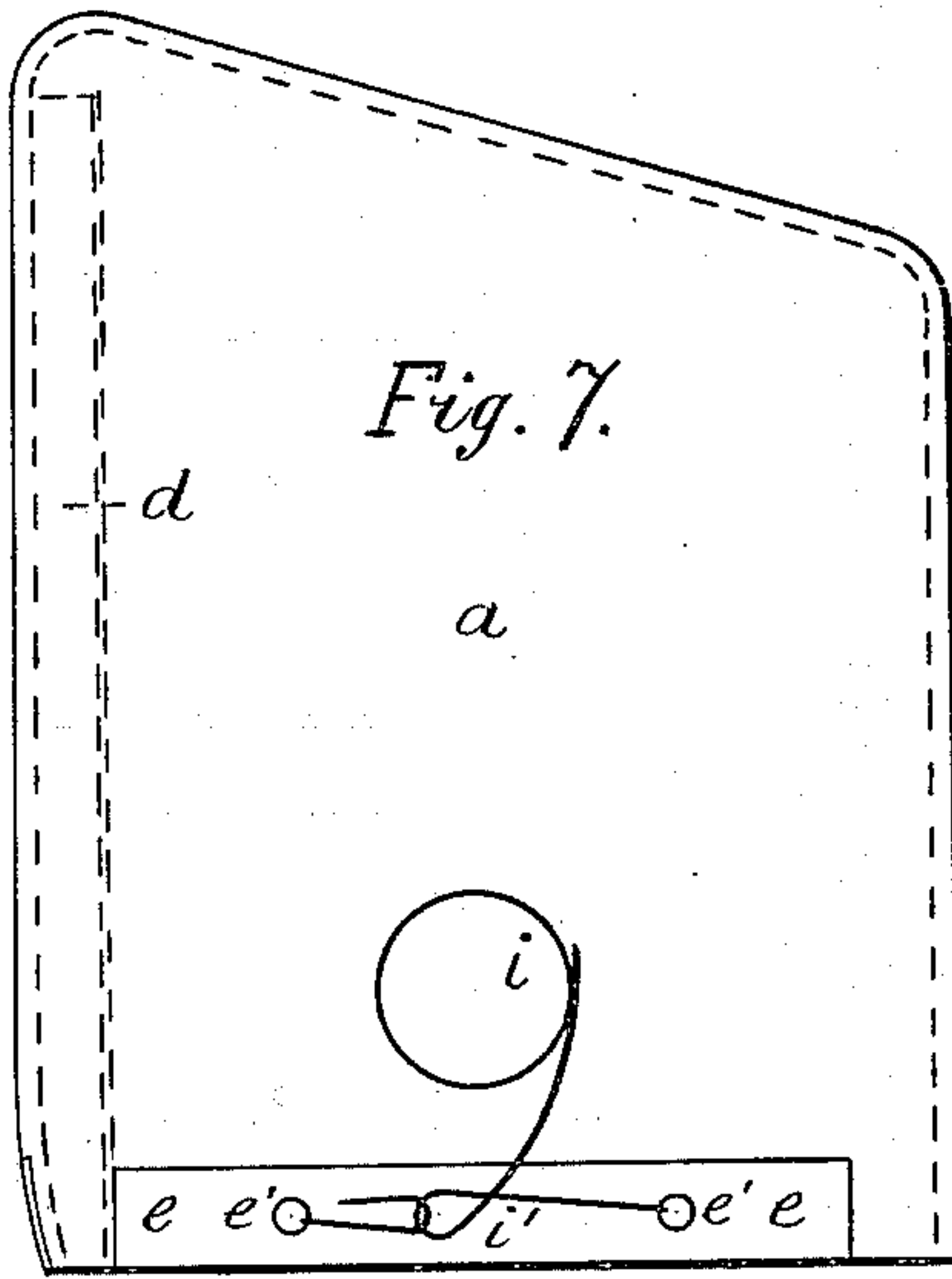
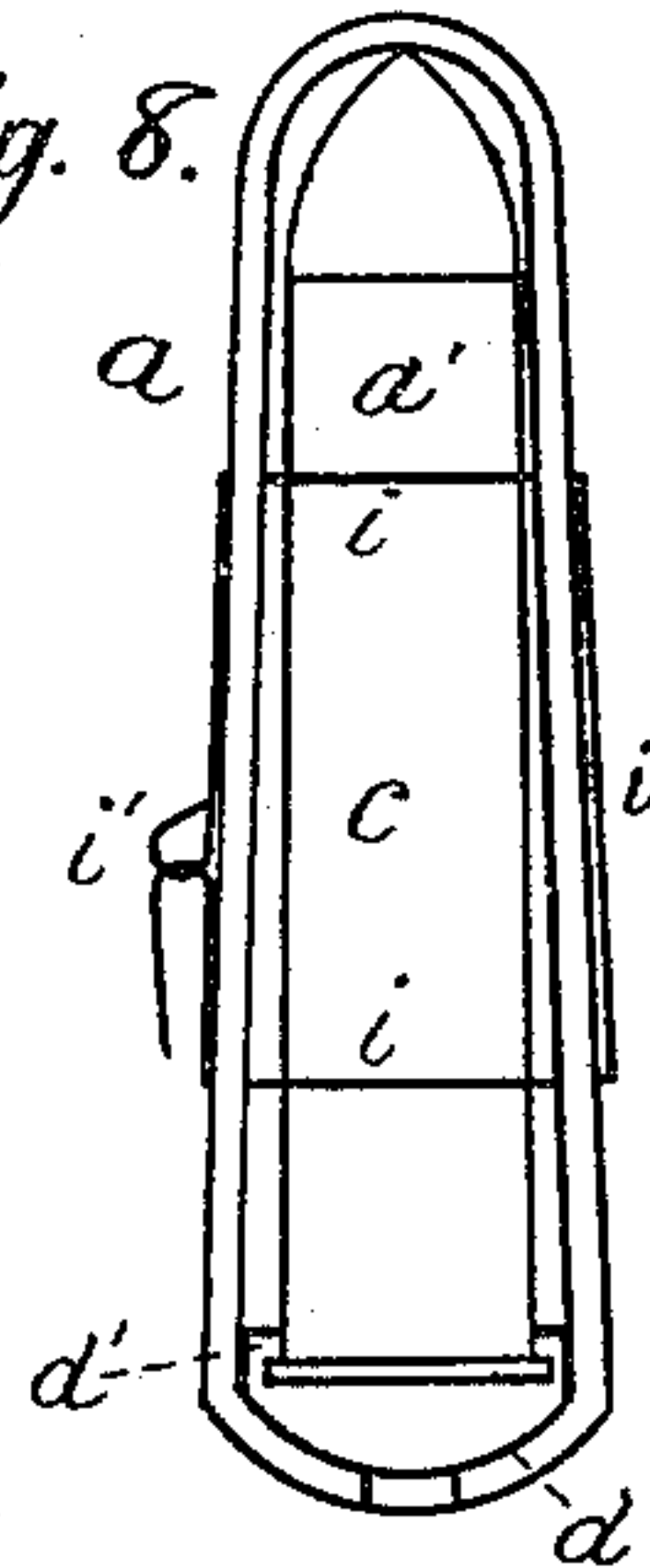


Fig. 7.

Fig. 5.



Fig. 8.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM H. ELLIOT, OF NEW YORK, N. Y.

## MAGAZINE FOR FIRE-ARMS.

SPECIFICATION forming part of Letters Patent No. 309,213, dated December 16, 1884.

Application filed September 18, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, WM. H. ELLIOT, of New York, county of New York, and State of New York, have invented a new and Improved Magazine for Fire-Arms, of which the following is a specification.

The object and nature of my invention may be described as follows:

The object of my invention is to procure a detachable magazine for fire-arms that can be so cheaply made that the soldier can be permitted to throw them away on the field of battle; and the nature of my invention consists in the novel assemblage of certain co-operative devices, which are fully set forth in the following specification and claims. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 in the drawings is a vertical section of my improved magazine and an elevation of a portion of the receiver. Fig. 2 is a vertical cross-section of the magazine at open lines *x*, Fig. 1, looking toward the rear. Fig. 3 is the same at open lines *x'*, looking toward the front. Fig. 4 is an end view of the re-enforce *e*. Fig. 5 is an end view of the re-enforce *d*. Fig. 6 is a plan view of the mouth of a modification of the magazine. Fig. 7 is an elevation of the magazine. Fig. 8 is a plan view of the mouth of the same.

My invention refers to detachable magazines for fire-arms, and is an improvement upon the magazine shown and described in my application for a patent filed complete May 29, 1884, Serial No. 133,179, now pending before the Commissioner of Patents.

The outer case, *a*, of my improved cartridge-magazine is trapezoidal in form, and is in such proportion that it will contain a single tier of cartridges, one above the other, as shown in Fig. 1. The mouth of the magazine *a'*, through which it is charged with cartridges, and through which the cartridges pass out of it into the receiver, is at the lower side, and rests upon the top of the receiver over a recess or passage in the same, which leads to the receiving-chamber before the breech-block of the arm. The cartridges are moved to the mouth of the magazine by gravitation, and do not require for this purpose either spring or follower.

As a material out of which to construct the outer case I prefer paper in some form, either

papier-maché, manila-board, or such material as can be pressed into shape, as gutta-percha. Either may be used. In any case the magazine must be composed of something that is light, strong, impervious to water, and not affected by the heat of the sun. They may be cheaply made of tin.

As a re-enforce to hold the case in shape against lateral pressure, and to prevent the cartridges from getting out of place, turning end for end in the magazine, &c., I employ the plate *d*, having upon its edges the projections or shoulders *d'*. This is placed vertically in the rear side of the case, as shown at *d*, Figs. 1 and 2. These projections are just far enough apart to allow the body of the cartridge to pass between them, while the head of the cartridge has sufficient room in rear of them, as shown in Fig. 8. By this means the head of the cartridge is tied to the rear side of the case, so that whenever the arm is turned right side up the cartridges will at once assume the position shown in Fig. 1.

To stiffen the mouth of the magazine, and to prevent it from warping out of shape, I re-enforce it by the U-shaped plate *e*, as shown in Figs. 3, 4, and 7. A piece of tin or other metal of the proper length is bent as shown in Fig. 4. One of these is placed on the edge of the case each side of the mouth, and then by heavy pressure they are brought together upon the edge of the mouth, to which they adhere with great tenacity, as shown in Fig. 3.

To fasten the cartridges temporarily in the magazine I employ the wire or cord *i*, passing it through the holes *e'* from side to side of the magazine, and under the lower cartridge, and then twist it or tie it together on the outside, as shown in Figs. 7 and 8. I make the holes *e'* through the plate *e*, to prevent the fastening, whether cord or wire, from cutting the mouth of the magazine when it is drawn out.

In use the fastening is left in place until such time as the magazine is needed. In this way the fastening serves as a cut-off, by preventing the cartridge from moving forward and downward. When it becomes necessary to use the magazine, the fastening is readily removed by drawing the loop *i* directly away from the side of the case, when the wire will be straightened out and all drawn out of the openings *e'*. I countersink these openings, to prevent friction



or injury to the wire or cord. If a cord be used, it should be tied in a small single bow knot. The end having the bow upon it should be left long for convenience in untying. Should  
 5 it be found necessary to reload the magazine, the loop *i* of wire or cord may be fastened to the side of the case, so that it may be at hand if needed.

It is obvious that other equivalent devices  
 10 for fastening the cartridges in a detachable magazine, which also serve as a cut-off, and to strengthen and protect the outer case, may be used; but I prefer the particular method shown.

15 Fig. 6 shows a modification of the invention. In this case the shoulders *d''* are a part of the material of the case.

Having described my invention, what I desire to have secured to me by Letters Patent  
 20 of the United States is—

1. In a detachable magazine for fire-arms, the combination, with the case *a*, of the re-enforce plates *e*, having the several openings *e'*, and the wire or cord *i*, woven across the mouth  
 25 of the magazine from side to side through said openings, from which it may be drawn out to release the cartridges in the magazine, substantially as described, whereby these devices serve as a cut-off, a fastening to hold the car-

tridges in the magazine, and as a re-enforce to  
 30 strengthen and protect the outer case.

2. In a detachable magazine for fire-arms, the combination, with the case *a*, of the re-enforce plate *d*, located within the outer case, and provided with the inwardly-projecting  
 35 shoulders *d'*, whereby the case is strengthened against external lateral pressure, and the head of the cartridge is tied to the rear side of the magazine, substantially as and for the purpose specified. 40

3. In a detachable magazine for fire-arms, the combination of devices substantially as follows: a cartridge-case having its mouth on the lower side, and in which the cartridges are  
 45 moved toward the mouth by gravitation without the assistance of spring or follower, said case being provided with openings *e'*, a re-enforce, *d*, for supporting the case against outside pressure, and provided with the shoulders *d'*, a re-enforce, *e*, applied to the edges of the  
 50 mouth of the magazine at the sides, and the fastening *i*, for holding the cartridges in the case, substantially as specified.

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Witnesses:

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