

(No Model.)

F. J. LEMM.
MAP OR SHADE PROTECTOR.

No. 455,473.

Patented July 7, 1891.

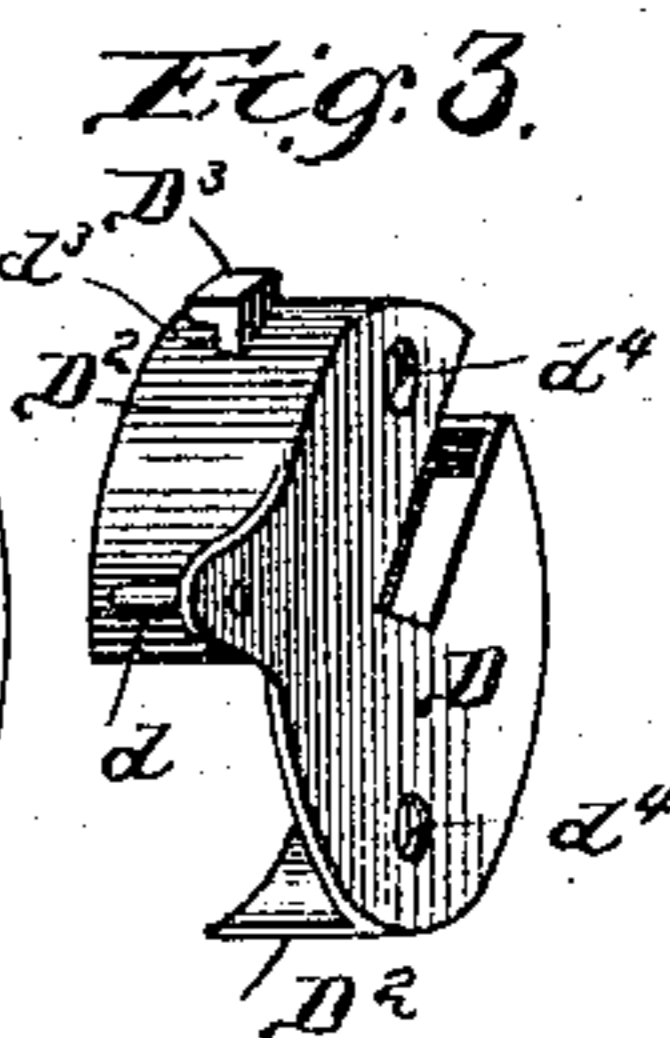
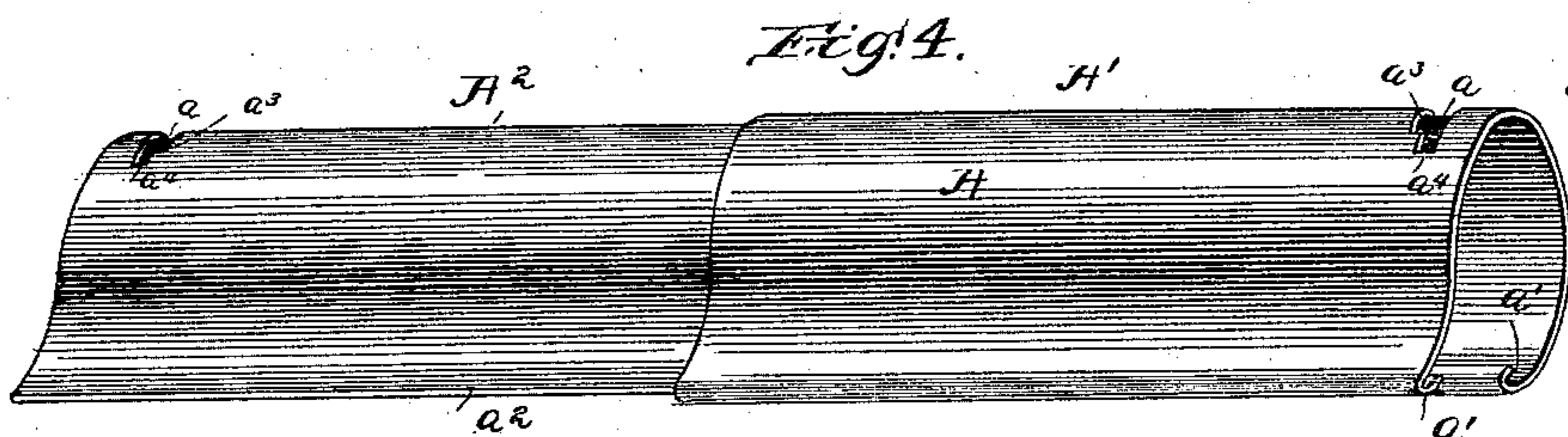
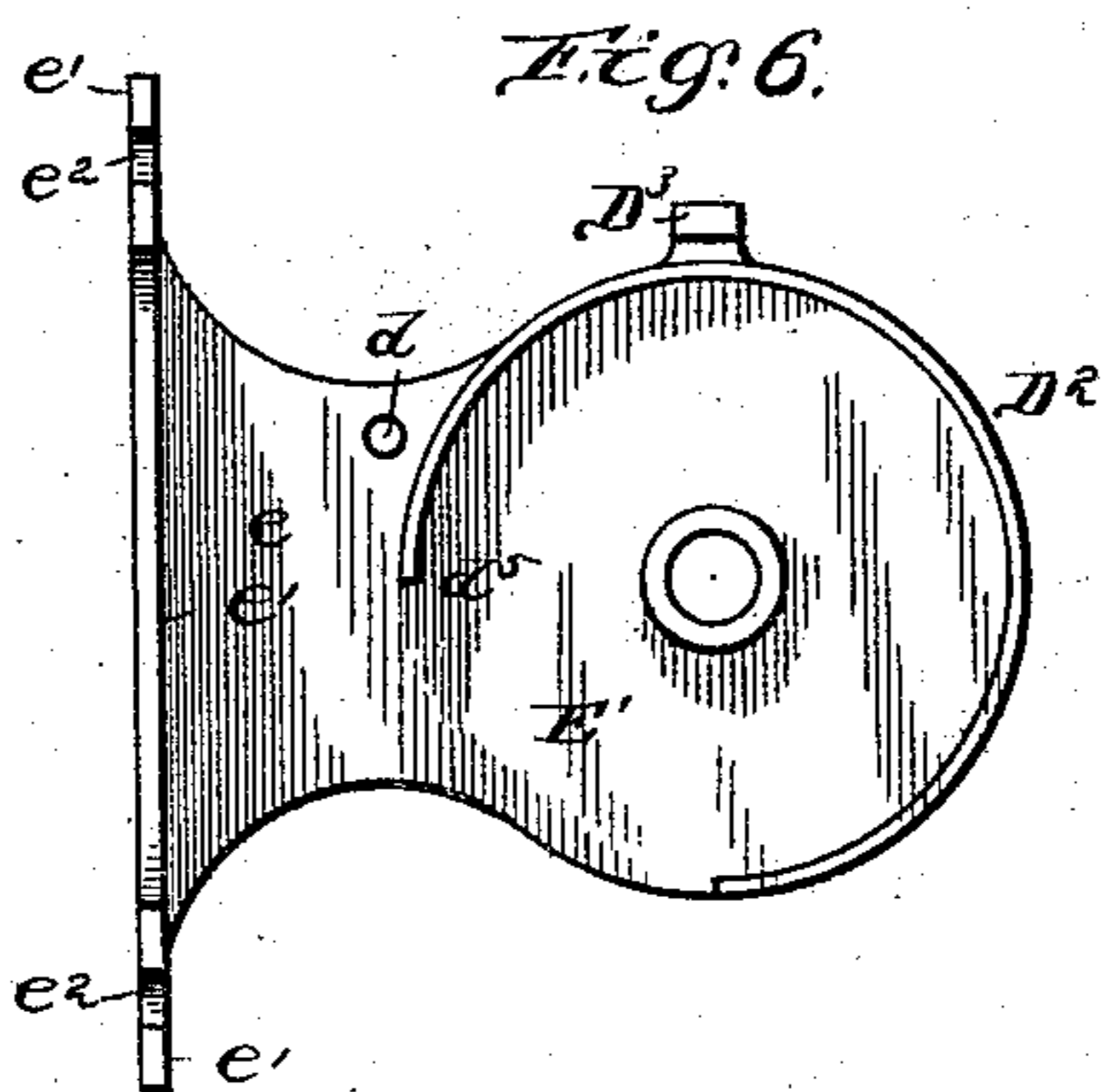
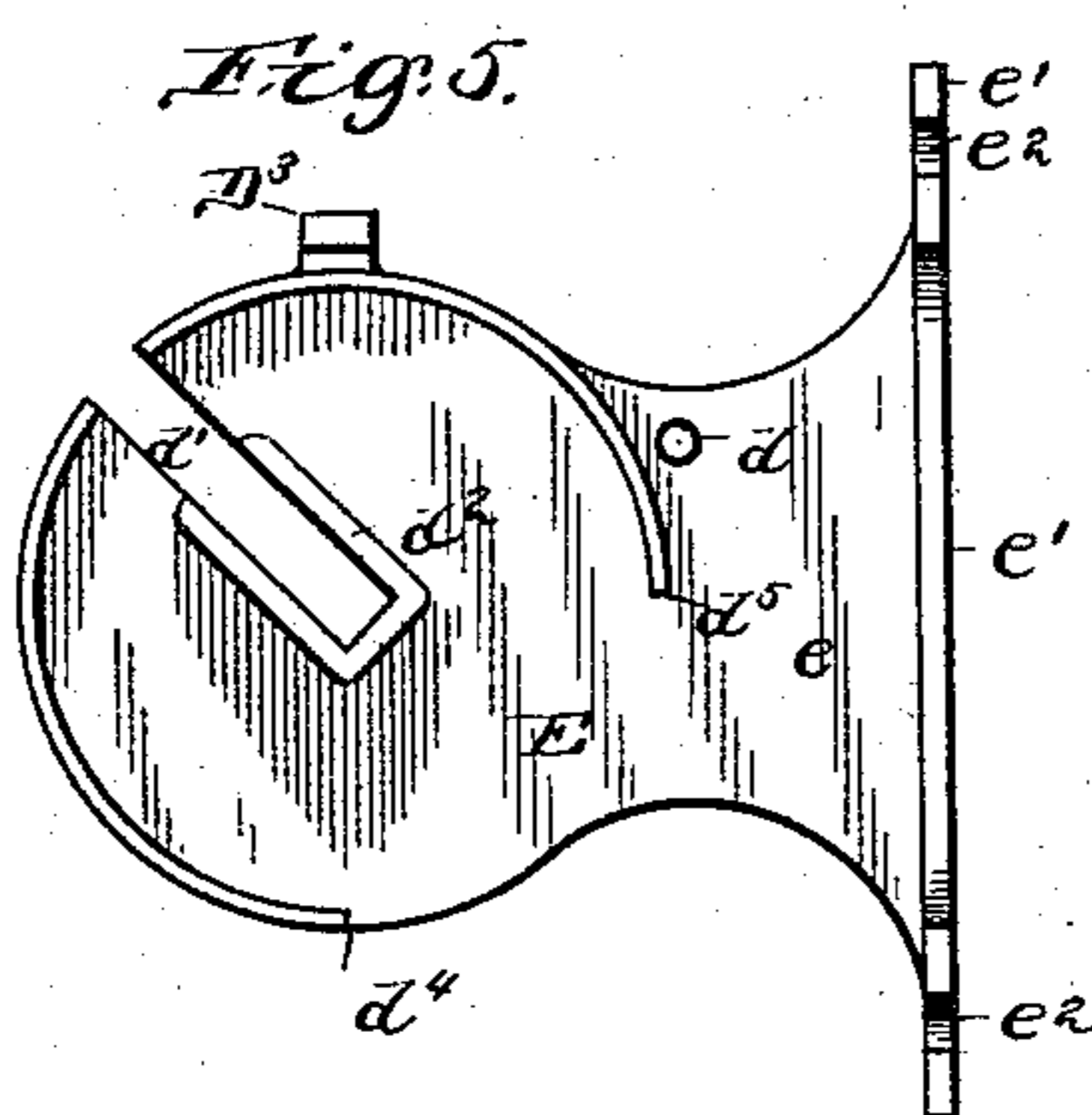
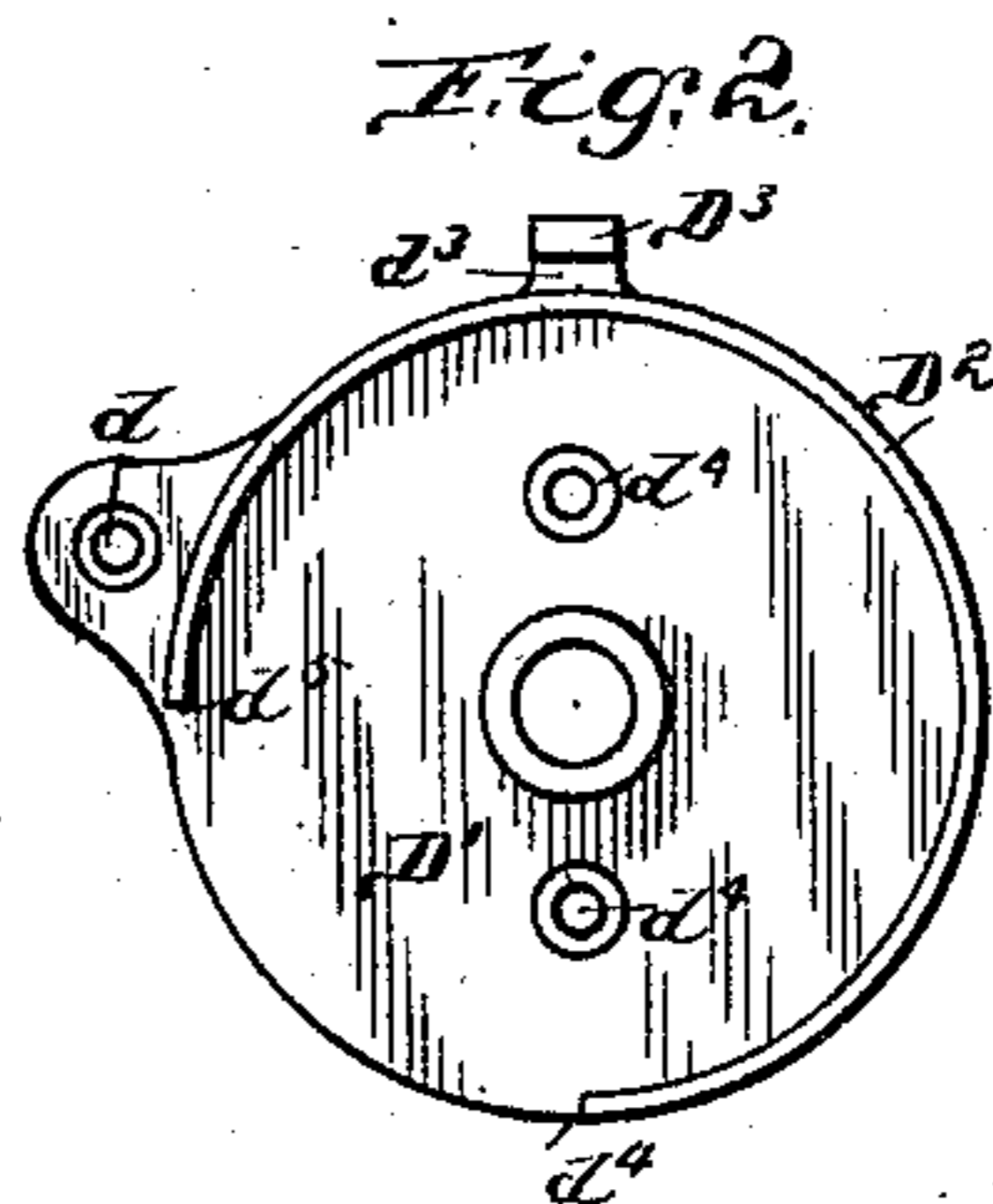
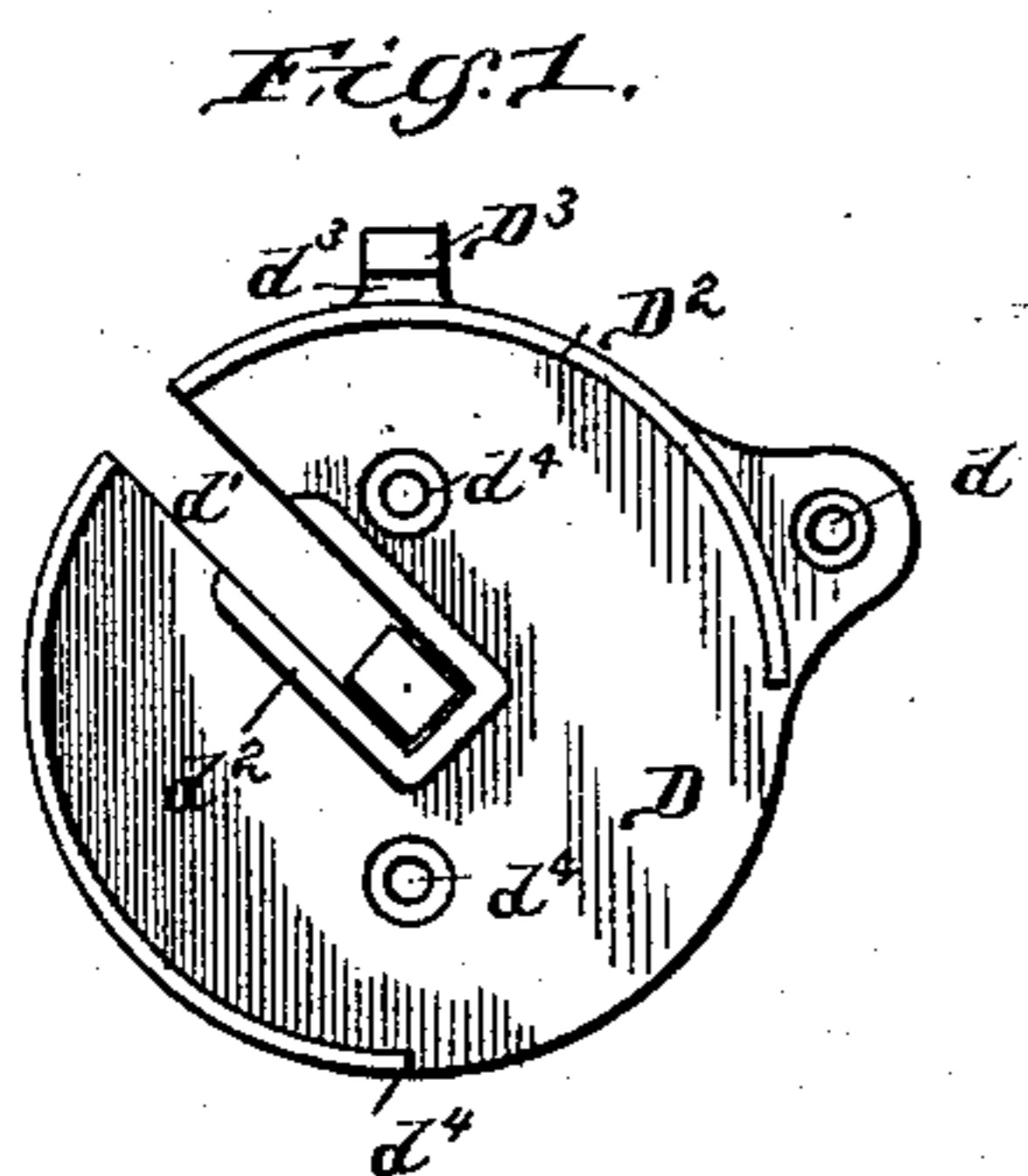


Fig. 7.

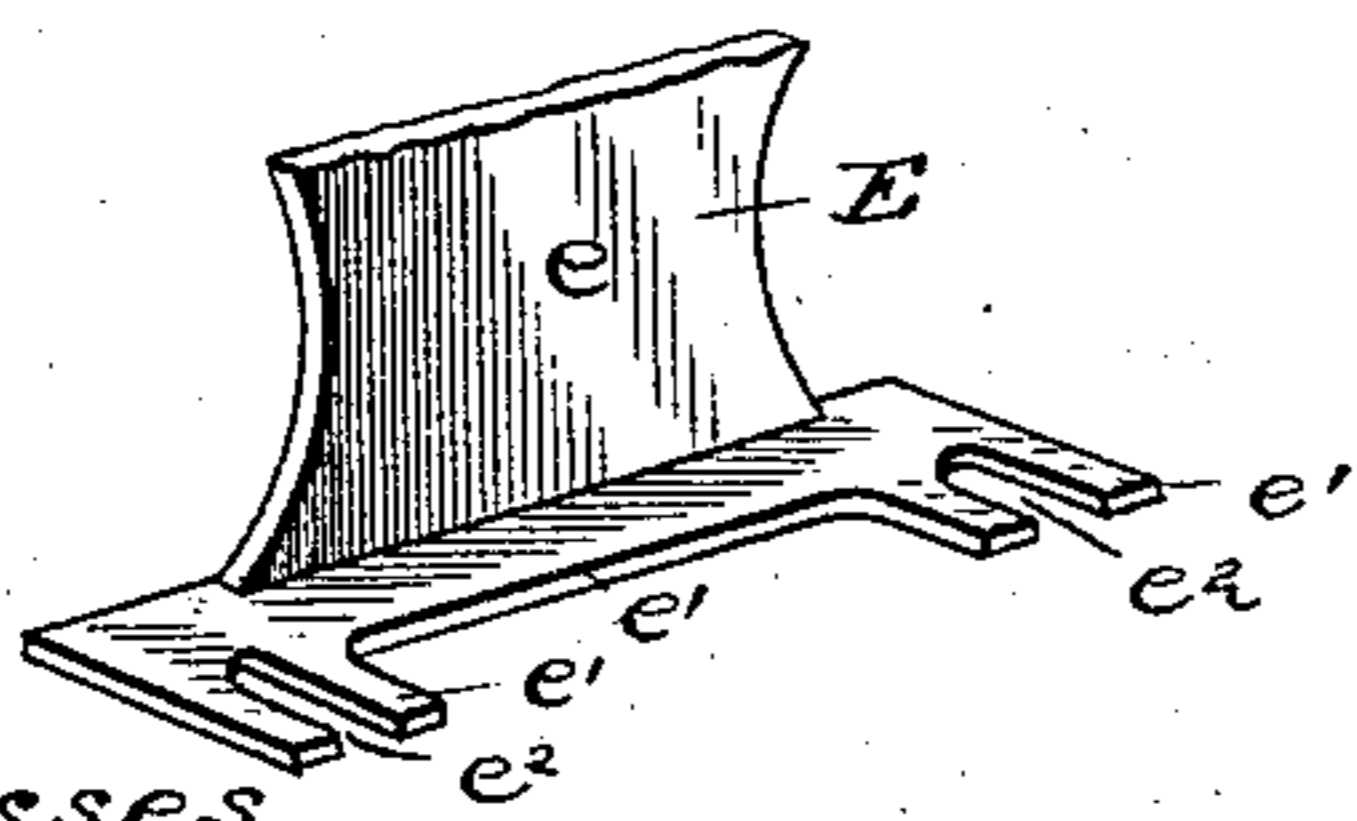
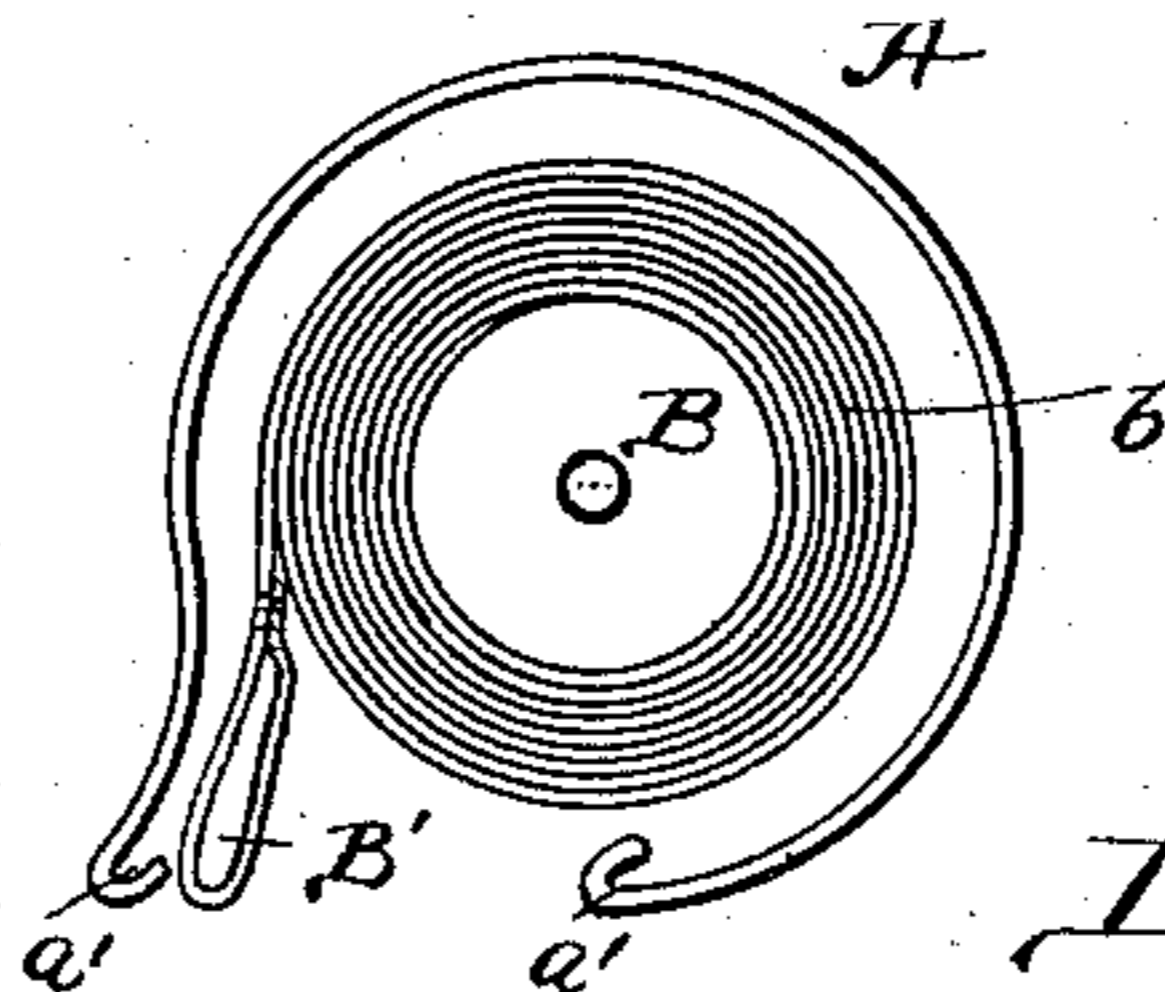


Fig. 8.



Witnesses.

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UNITED STATES PATENT OFFICE.

FREDERICK J. LEMM, OF CHICAGO, ILLINOIS.

MAP AND SHADE PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 455,473, dated July 7, 1891.

Application filed October 11, 1890. Serial No. 367,779. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK J. LEMM, 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 Protectors for Shades, Maps, or other Articles, of which the following is a specification.

My invention relates to a protector for shades, maps, or other articles mounted on a rotatable roller, and usually a hollow rotatable roller having within it a spring which is wound as the shade, map, or other article is pulled off the roller, thereby rotating such roller, such spring rewinding the article upon the roller when released; and the object of my invention is to obtain a protector adapted to be secured to the holder forming bearings within or upon which the roller rotates which shall cover so much of the shade, map, or other mounted article as is wound upon the roller and protect such portion thereof from dust, dirt, water, or other article tending to disfigure or injure it.

In the drawings which illustrate and form a part of this specification, Figure 1 is an elevation of one of the rotatable roller-holders and that one thereof which is adapted to hold that end of the shade-roller from which the metal rod having a squared end projecting from the roller extends, with the roller indicated by dotted lines; Fig. 2, an elevation of the other of the rotatable roller-holders; Fig. 3, a perspective view of the holder illustrated in Fig. 1; Fig. 4, a perspective of the protector; Fig. 5, an elevation of the holder illustrated in Figs. 1 and 2 so far as the essential parts of such holders relating to my invention are concerned, with a foot or base placed thereon, so that it may be attached to a vertical wall or cleat standing in a plane parallel with the plane in which the shade, map, or other article contained on the rotatable roller is in when unrolled therefrom. Fig. 6 is an elevation of the holder adapted to be placed at the other end of the rotatable roller and with the holder illustrated in Fig. 5. Fig. 7 is a perspective view of the base of the roller-holder illustrated in Figs. 5 and 6; and Fig. 8 is a sectional view of the rotatable roller, the article mounted thereon, and the protector.

Like letters refer to the same part where such part is shown in more than one view.

A is the protector, and is composed of two parts A' A². The part A' has the edges *a' a'* thereof turned over to form grooves, in which grooves the edges *a² a²* of part A² adjustably fit. The part A² is made with its outside diameter of about the same size as the inside diameter of part A', and the adjustability referred to consists in the sliding movement permitted of part A² in part A', whereby the length of the protector A is changeable.

a is a hole in the top part of the protector near each end thereof. This hole *a* as sometimes constructed by me has two sizes there-to, one, and the larger, being lettered *a³* and the other *a⁴*.

B is the rotatable roller, to which the shade, map, or other article *b* is secured.

B' is the stick attached to the outer end of the shade, map, or other article.

D is a casting forming a holder for that end of the roller B from which projects the shaft *b'*, having a squared end. To the shaft *b'* is secured the spring when a spring is used in the rotatable roller B.

D² is a flange on holders D, D', E, and E', extending about three-quarters of the way around the periphery of the holder.

D³ is a projection or lug on flange D².

d is a pin projection, which may be cast rigidly on the holders D D' E E'.

d' is a slot in holders D D' E E', respectively.

d² is a rim partially surrounding in the ordinary manner the slot *d'*. The squared end *b'* of the rotatable roller B fits into this slot *d'*, and is thus held from rotating.

d³ is a groove, which may be placed in projection or lug *d³*, when desired.

d⁶ d⁶ are holes in holders D D', through which the screw, nail, or brad securing the holder in position is passed.

E E' are right and left holders, containing, as hereinbefore stated, the essential elements of my invention which are contained in holders D D', and in addition thereto having the base *e'* and neck *e*.

e² e² are slots in base *e'*.

It will be observed that the lower edge *d⁴* of the flange D² is cut away from a point substantially underneath the center of the

rotatable roller to a point substantially horizontal therewith, and that the protector A extends from such edge d^4 around on the flange D^2 to the edge d^5 thereof, and from thence
 5 extends outward a short distance farther. The stick B' will be raised when the article mounted on the roller B is wound tightly thereon underneath this extending edge of the protector A, and will then, in combination with the protector A, shield the article
 10 mounted on the rotatable roller from dust or other material.

When the protector A is being placed in position on the holders D D' or E E' , the
 15 flanges are placed in the ends of the parts A' and A^2 , respectively, of the protector, and hole a is fitted over the projection D^3 . Where the hole a is composed of two parts, as a^3 and a^4 , and the projection D^3 is provided with the
 20 groove d^3 , the larger part a^3 of hole a fits over the projection D^3 , and then by turning the protector A a slight distance the part a^4 of the hole a is slid underneath the head formed by the groove d^3 . The pin d , where used, comes
 25 outside of the protector A when such protector is over the flange D^2 . Where the pin d is employed, I do not find it necessary to have the groove d^3 in projection D^3 , and where the groove d^3 is used with the two-part hole a the
 30 pin d is not required. I have, however, in one instance used both the groove and two-part hole and the pin d . The purpose of the projection D^3 and hole a and the pin d is to prevent disarrangement of the protector A in case the stick
 35 B' comes in contact with it when the shade, map, or other article is allowed to be rapidly rolled upon the roller B by the spring contained therein. The pin D^3 , fitting in hole a , holds the parts A' and A^2 of the protector A
 40 from sliding together and where the protector is composed of more than one part is a quite necessary element of the device.

Where the length of the rotatable roller B is greater than the length of the protector A,
 45 with the parts A' and A^2 slid out as far as safety will permit, an additional part A' or A^2 , as preferred, or even more than one such additional part, may be combined with the parts A' and A^2 by sliding them together in

the manner described. The combination of 50 additional parts, duplicates of the parts A' A^2 , to increase the length of the protector A is, however, so obvious that in the claims hereof I shall refer only to a two-part protector.

Having thus described my invention, what 55 I claim, and desire to secure by Letters Patent of the United States, is—

1. In a protector and holder for shades and other articles, holders adapted to be secured to a frame and to contain therein a rotatable 60 roller, such holders having a flange thereon extending a portion of the way around, in combination with a protector composed of two parts, one of such parts having the edges thereof turned into grooves and the other of 65 such parts adapted to slide longitudinally within the first-named part, with its edges inclosed in the grooves, substantially as described.

2. In a protector for shades and other arti- 70 cles, holders adapted to be secured to a frame and to contain therein a rotatable roller, such holders having a flange thereon extending a portion of the way around, in combination with a protector adapted to fit at the ends 75 thereof over the flanges on the holders, and such protector having holes therein fitting over projections on the holders, substantially as described.

3. In a protector for shades and other arti- 80 cles, holders adapted to be secured to a frame and to contain therein a rotatable roller, such holders having a flange thereon extending a portion of the way around, in combination with a protector composed of two parts, one 85 of such parts having the edges thereof turned into grooves and the other of such parts adapted to slide longitudinally within the first-named part, with its edges inclosed within the grooves, the protector being adapted 90 to fit at the ends thereof over the flanges on the holders and having holes fitting over projections on the holders, substantially as described.

FREDERICK J. LEMM.

In presence of—

F. N. ATWOOD, Jr.,
 CHARLES T. BROWN.