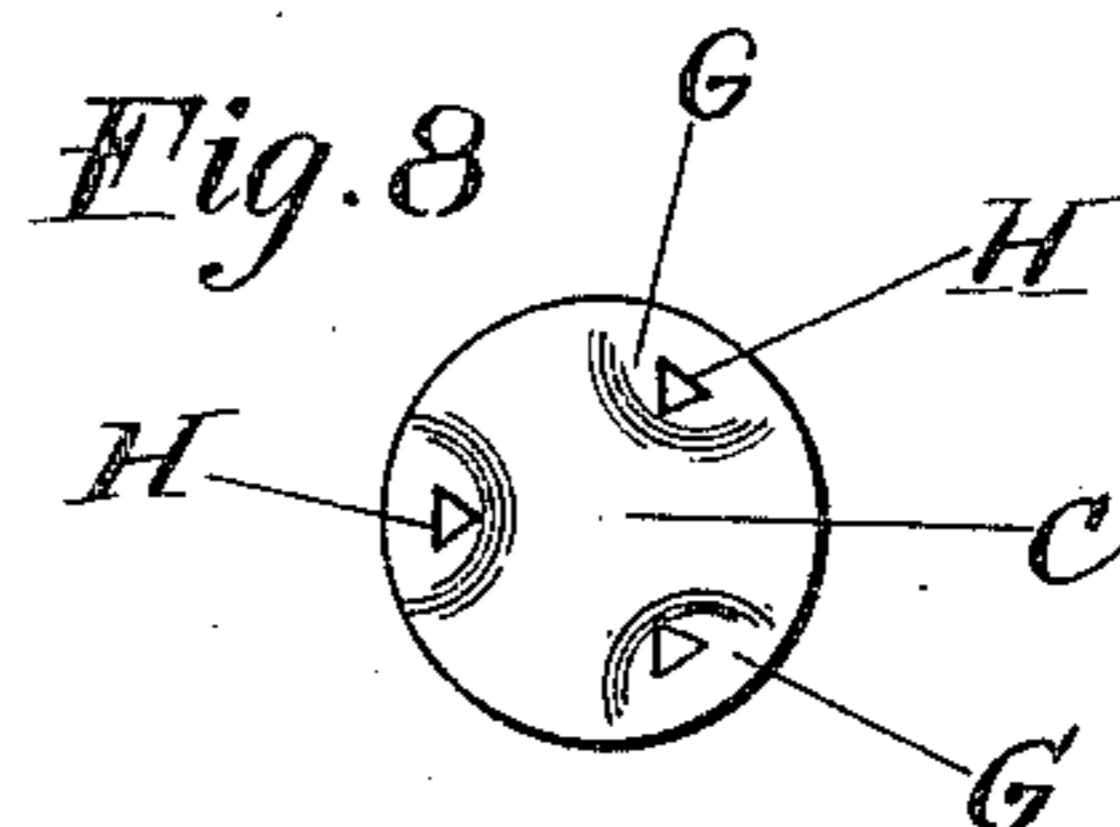
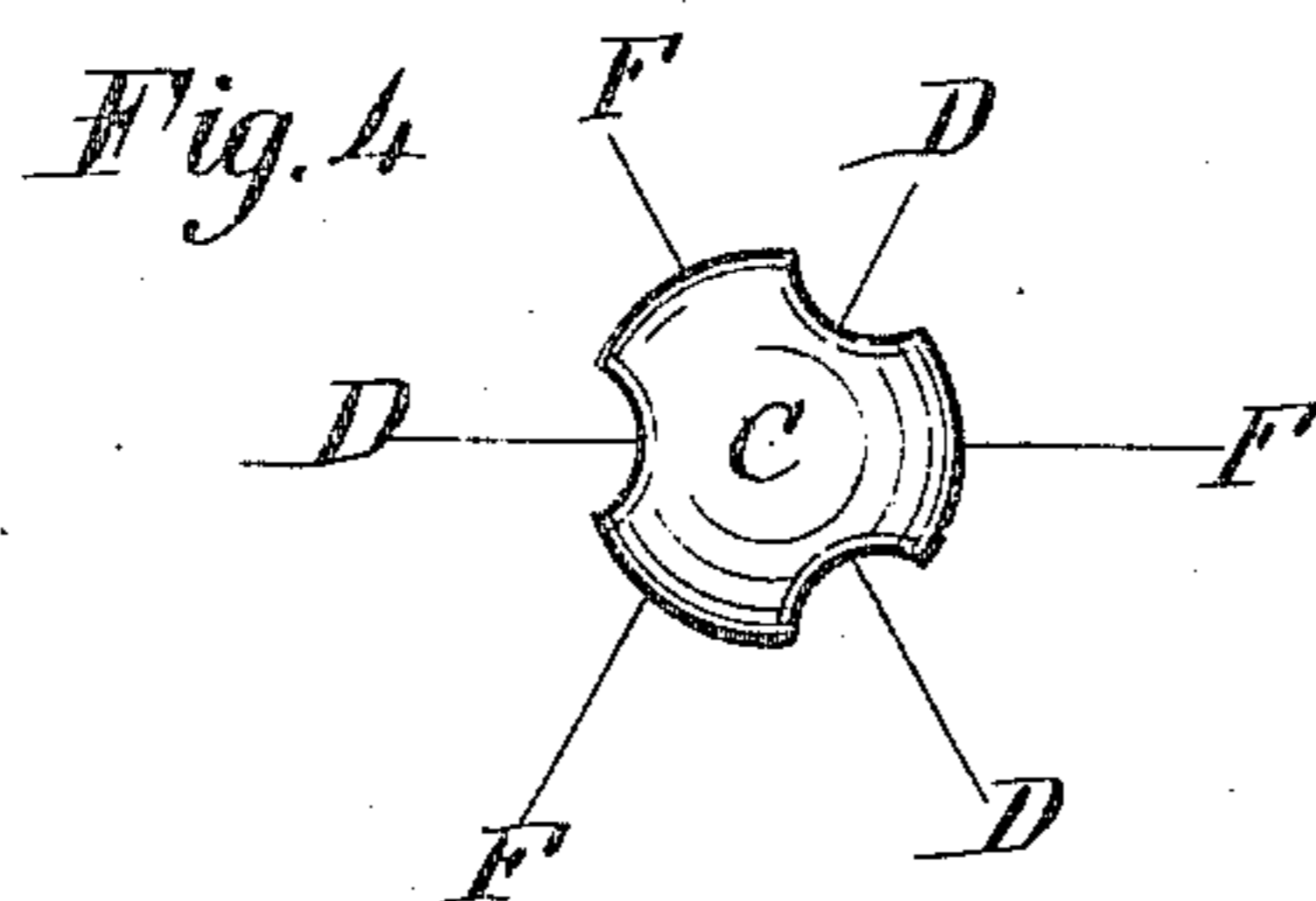
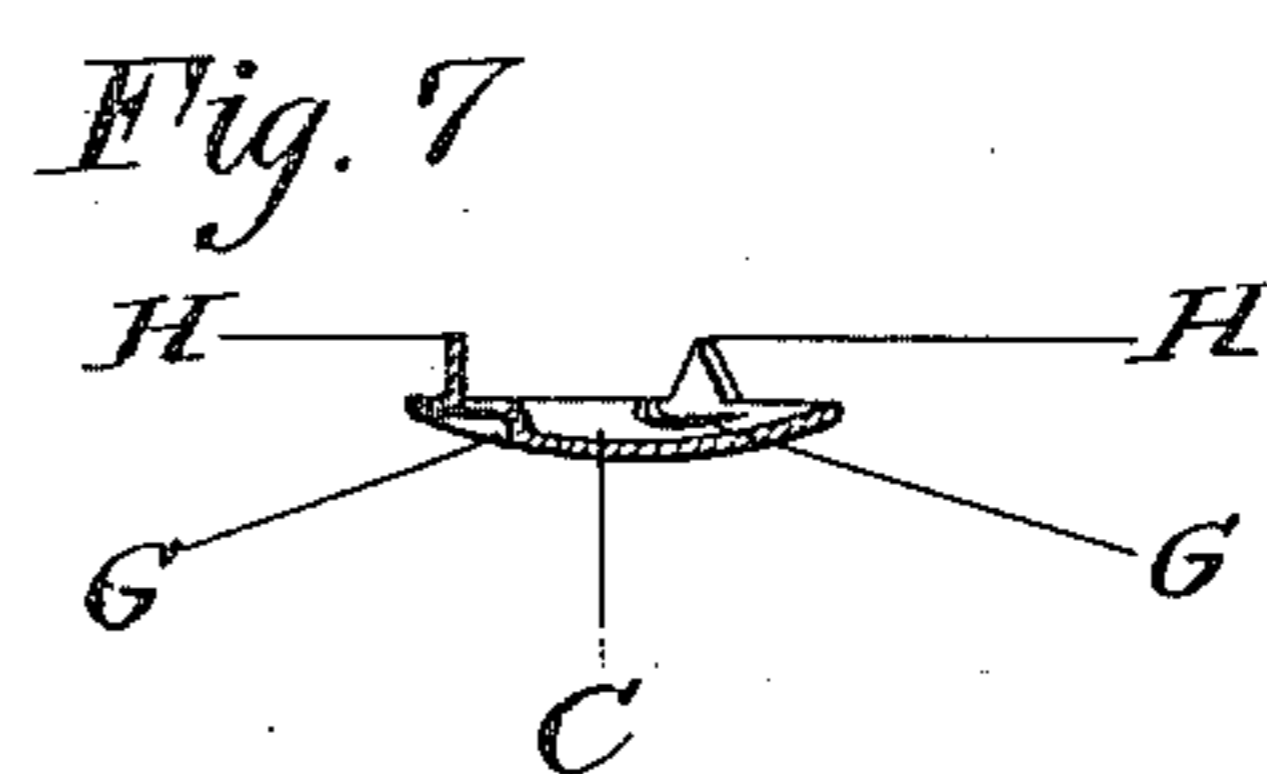
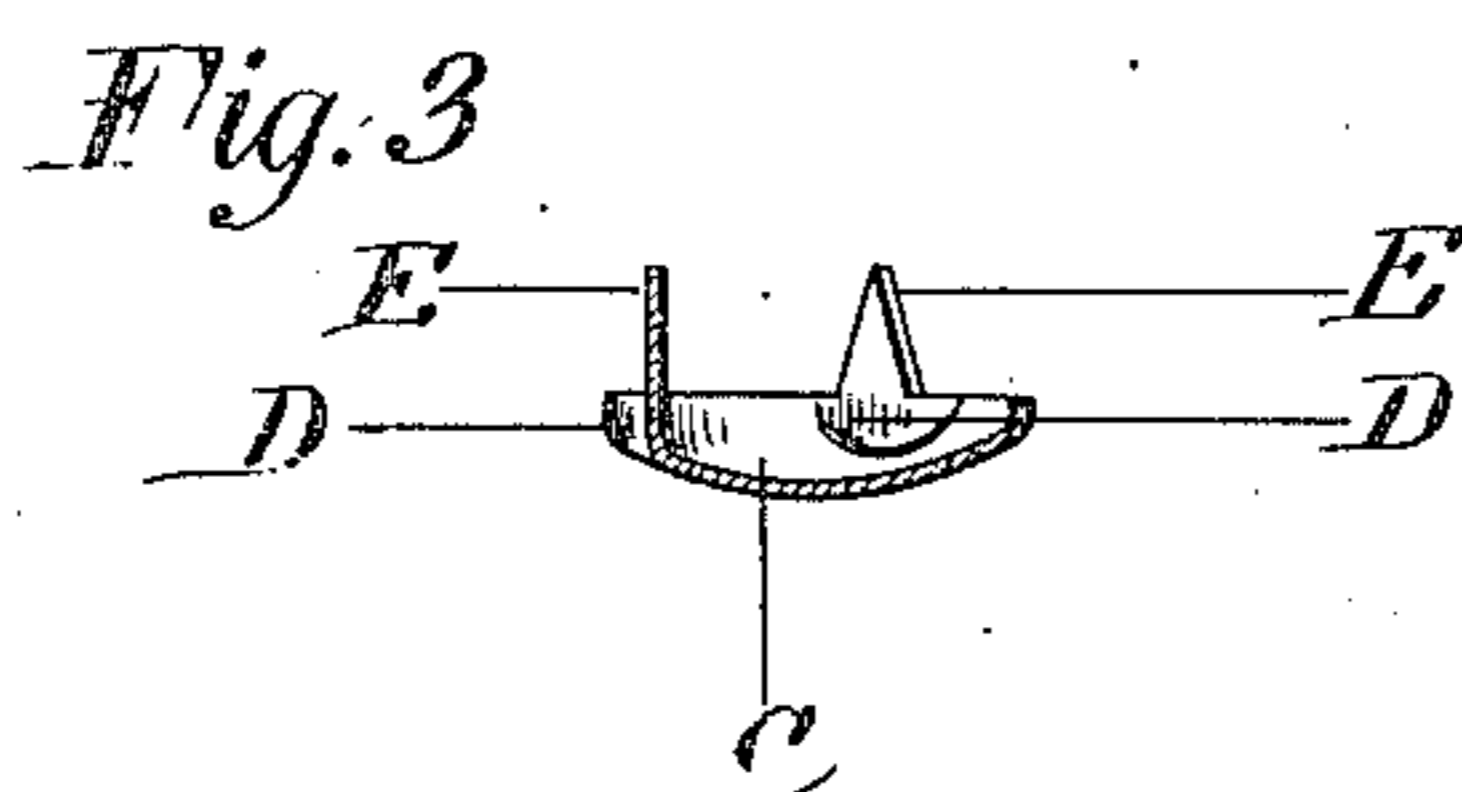
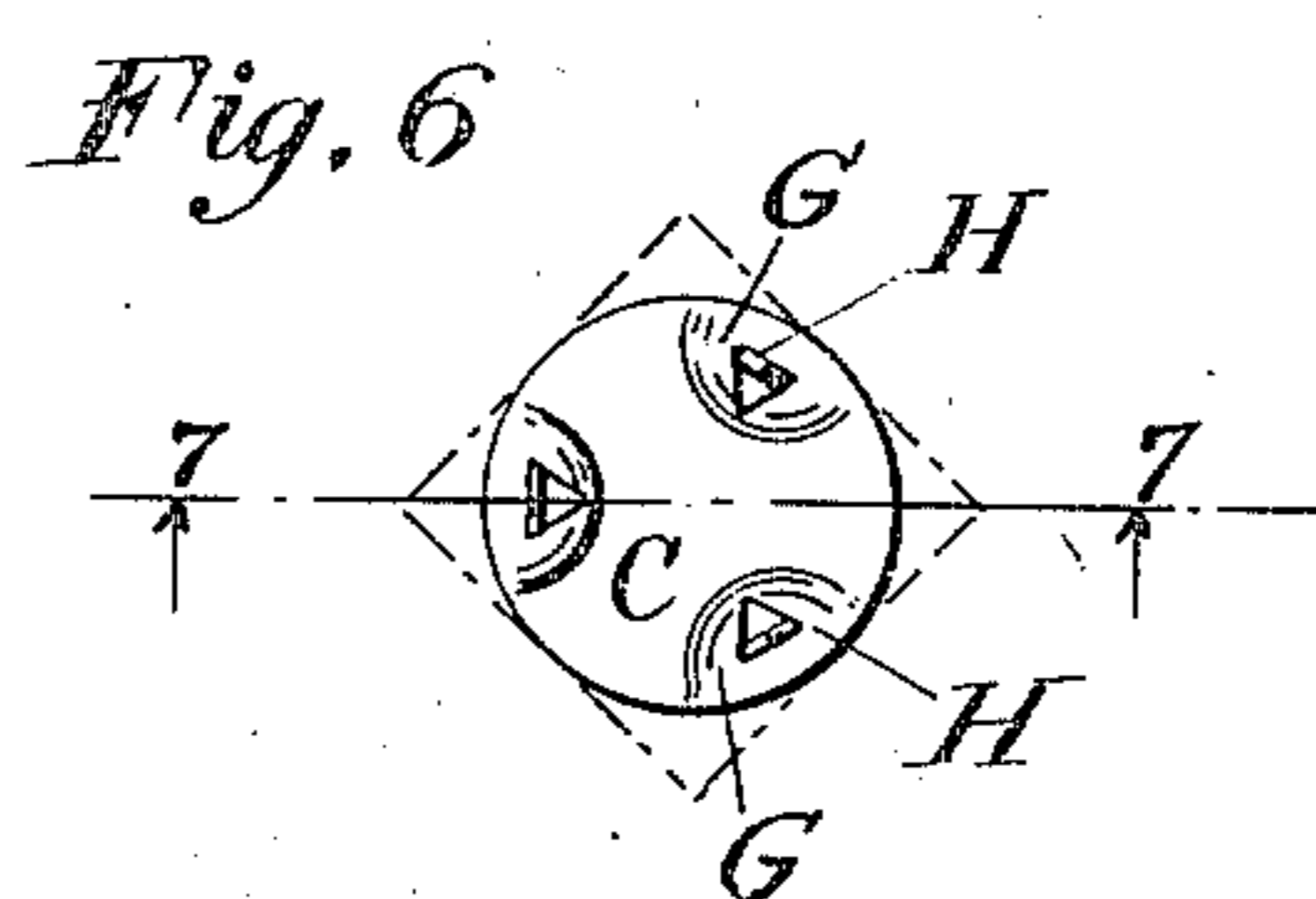
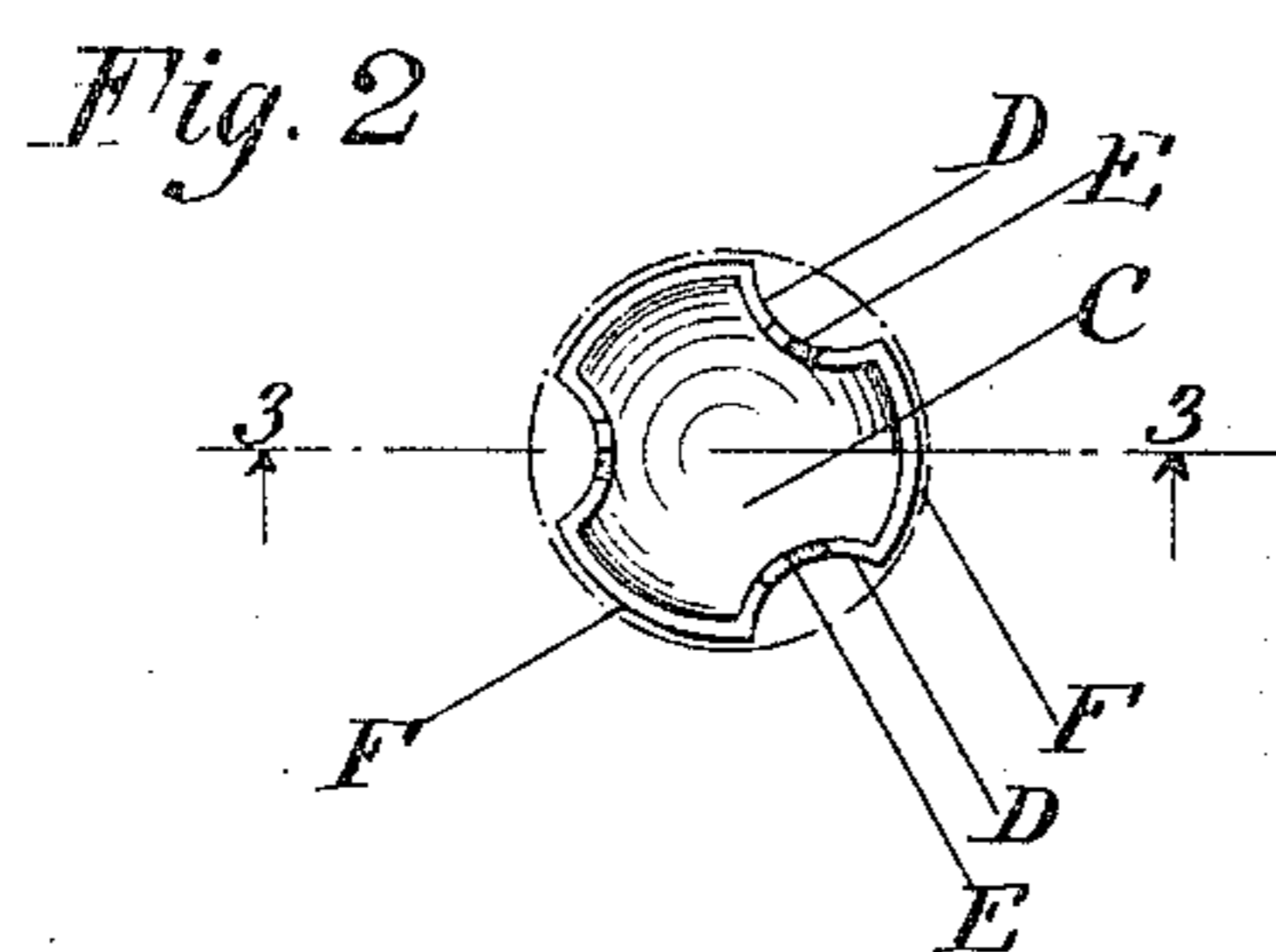
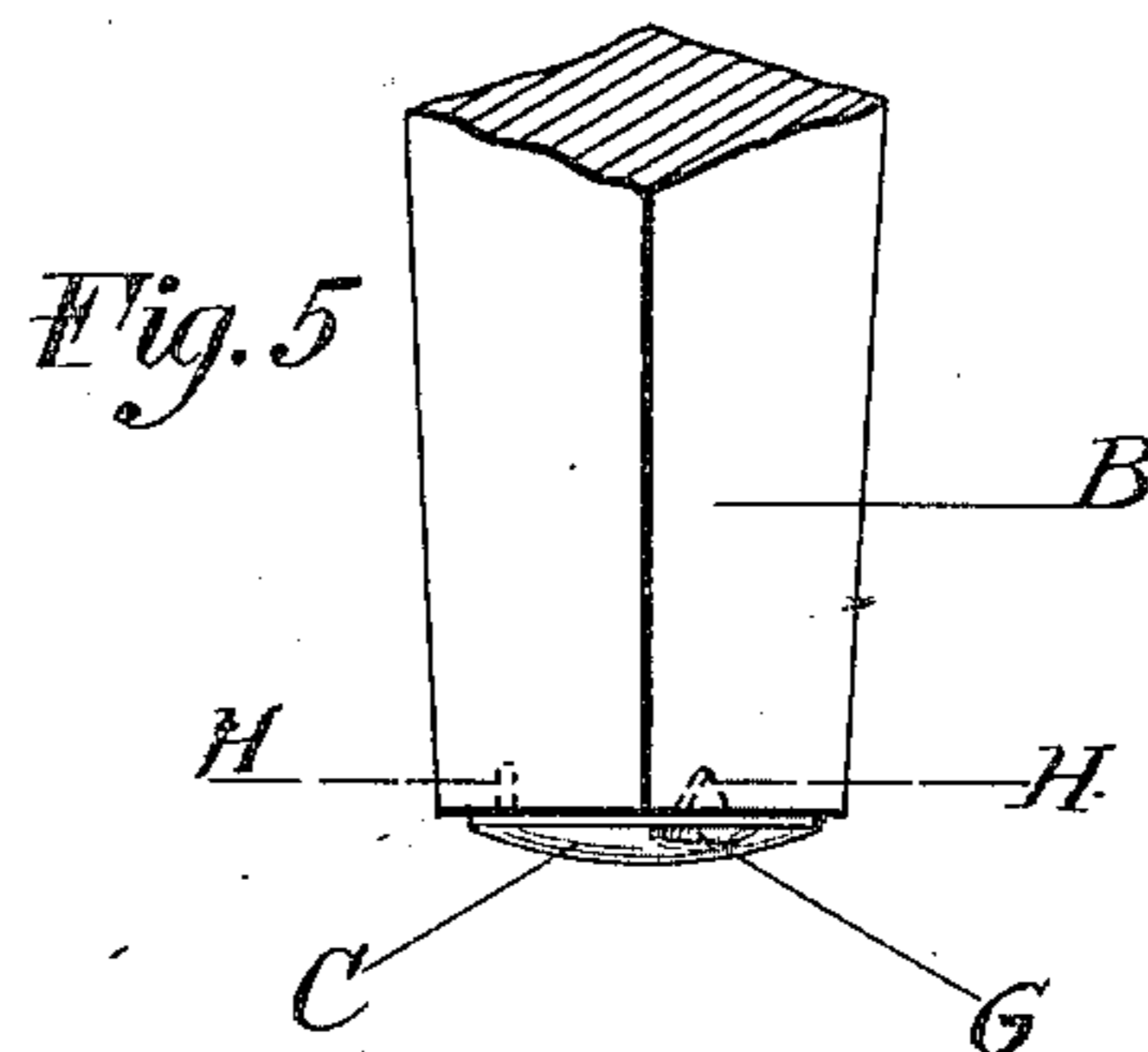
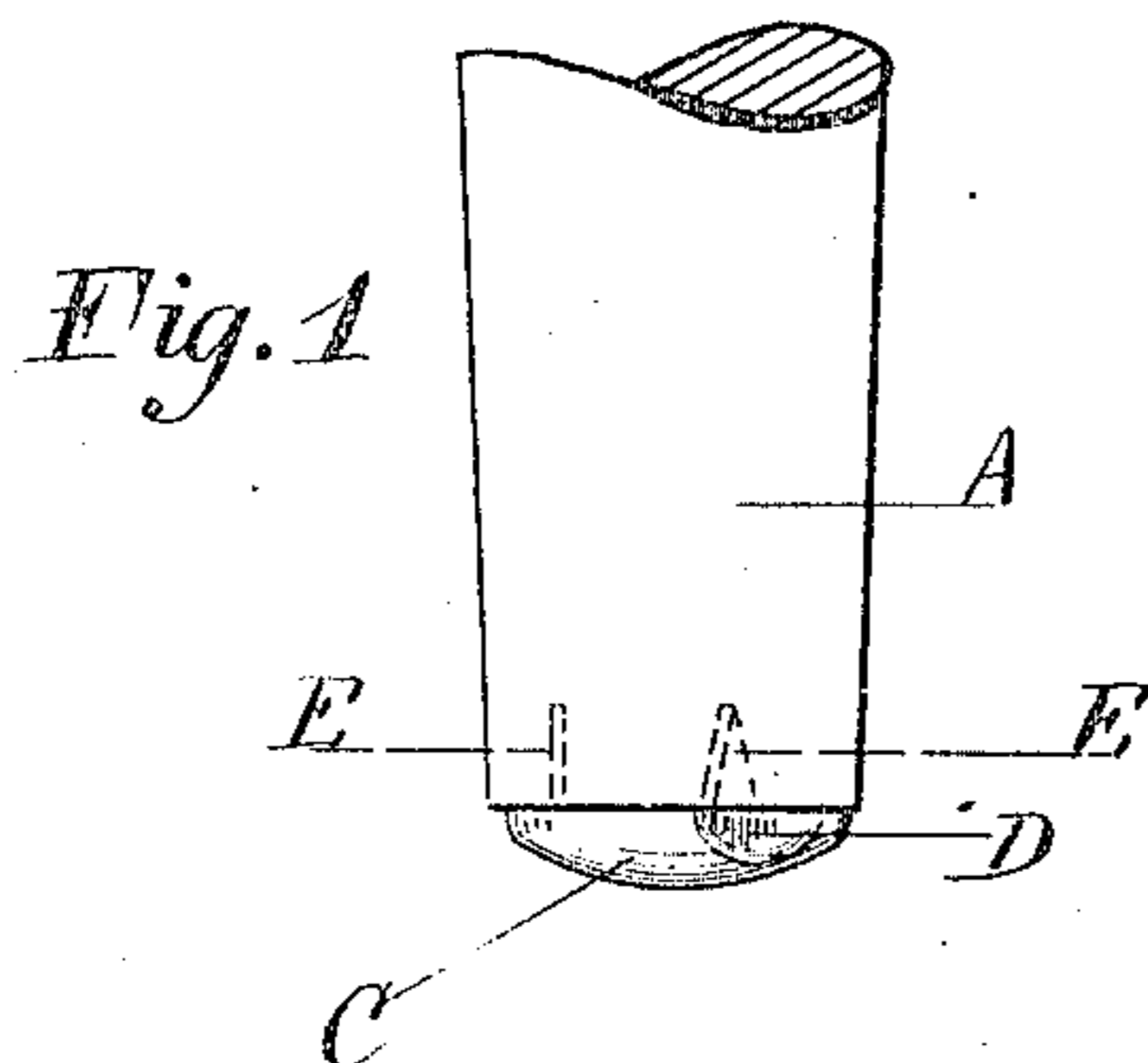


A. B. DISS.
FURNITURE TIP.
APPLICATION FILED FEB. 19, 1910.

964,092.

Patented July 12, 1910.



Witnesses:
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UNITED STATES PATENT OFFICE.

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FURNITURE-TIP.

964,092.

Specification of Letters Patent. Patented July 12, 1910.

Application filed February 19, 1910. Serial No. 544,883.

To all whom it may concern:

Be it known that I, ALBERT B. DISS, a citizen of the United States, and a resident of Newark, New Jersey, have invented certain new and useful Improvements in Furniture-Tips, of which the following is a specification, accompanied by drawings.

This invention relates to furniture tips or slide casters to be placed on the bottoms of the legs of articles of furniture in those instances in which roller or wheel casters are unsuitable or undesired for various reasons. The tips are preferably made of metal and protect the legs while at the same time affording a smooth surface on which the legs may be moved or slid upon the floor or floor surface covering.

The objects of the invention are to improve upon the construction of such tips and provide a simple and cheap article which protects the material of the furniture leg without splitting or chipping the leg, is efficient in withstanding hard usage and will bear great weight without collapsing or other injury which would destroy the usefulness of the tip.

The invention in its preferred forms, is described and claimed in this specification and shown in the accompanying drawings, in which—

Figure 1 is a side view of a tip applied to a round leg; Fig. 2 is a top plan view of the tip; Fig. 3 is a horizontal sectional view on the line 3—3 of Fig. 2; Fig. 4 is a bottom plan view of the tip; Fig. 5 is a side view of a modified form of tip applied to a square leg; Fig. 6 is a top plan view of the tip shown in Fig. 5; Fig. 7 is a horizontal sectional view on the line 7—7 of Fig. 6; and Fig. 8 is a bottom plan view of the tip shown in Fig. 6.

Referring to the drawings, A represents the lower end of a round leg of a chair for instance, and B represents a similar portion of a square leg. The furniture tip C is shown applied to the round leg and a modified form of tip D is shown applied to the square leg, although either tip may be applied to either leg, it being understood that the mode of use of the invention is explanatory only, and the devices may be used with any article of furniture to which they are applicable, or to articles and devices other than furniture, if desired.

The tip C as shown is in the form of a

cup-shaped disk, crimped or corrugated at intervals at its edges as at D. The tip is also provided with the upward projecting tabs or points E which preferably extend upwardly from the crimped or corrugated portions D. The uncorrugated portions F preferably form the arcs of a circle. The outer conformation of the disk and the location of the tabs or points E may, of course, be varied as desired. In the form shown in the drawings, the disk has the appearance of being provided with a scalloped edge.

In constructing the device, the tip may be struck up from a blank in order to obtain the cup-shaped and scalloped formation with the upward projecting tabs for securing the tip in the bottom of a leg. The cupped or dished shape affords a convex surface for the outside of the body portion and the crimps or corrugations D secure strength and stiffness to aid in preventing the collapse of the tip under heavy weights. It will also be seen that by providing the tabs E on the corrugated portions, said tabs are offset inwardly toward the center of the disk, so that the tabs are located at a substantial distance within the periphery of the leg and do not tend to split or chip the leg.

In the modification shown in Figs. 5 to 8, the disk is preferably round and the corrugations or crimps G are pressed out of the body of the metal at intervals, while preserving the continuity of the circular edge of the disk. The tabs or points H are preferably struck up out of the material of the corrugated portions and are offset inwardly as before. This form of the device is also pressed out of a blank into cup-shaped form with the corrugations G and tabs H. In this instance the corrugations also afford strength and rigidity for the cup-shaped disk.

It will be seen that in all forms of the invention shown, the tabs E, H, form prongs penetrating the furniture leg at points well within the general line of the periphery of the tip, and that these prongs rise from the disk portion of the tip at the rear or plane side thereof, being in Figs. 1 to 4 a continuation of the crimped flange of the disk, and in Figs. 5 to 8 an upturned portion of the indented areas or corrugations G. From Figs. 3 and 7 it will be apparent that the periphery of the disk, apart from the prongs, lies in a horizontal plane throughout its en-

tire extent and the prongs rise from this plate. Fig. 3 particularly shows how strongly supported the prongs E are by the corrugations from which they have their rise, so that when they are driven into the foot of the leg, as in Fig. 1, the tip is very securely held, and as the leg is slid over the surface of rugs or carpets, only the smooth convex surfaces of the tip can touch the carpet. The entire edge of the tip is upturned out of reach of the nap of the carpet and the bases of the prongs are, in addition, inset from the general line of the periphery.

I of course make no claim to having invented prongs as a means for fastening metallic disks to furniture legs, billiard cues, or fancy harness. The problems present in furniture tips are quite other than those present in ornamental studs for harnesses or tips for billiard cues, and I have

no desire of attempting to monopolize either of these latter.

I claim and desire to obtain by Letters Patent the following:

A furniture tip or slide caster comprising a dished disk affording a smooth rounded convex surface for sliding over the carpet but indented at a plurality of points, and from which indented portions arise prongs, the base of said prongs lying in the same horizontal plane with the back or upper plane of the disk, said prongs being considerably within the general circumscribing line of the periphery of the tip.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses, February 17, 1910.

ALBERT B. DISS.

Witnesses:

E. P. LA GAY,
E. VAN ZANDT.