

(No Model.)

A. D. LINN & A. A. LYTLE.
TABLET ARM.

No. 592,471.

Patented Oct. 26, 1897.

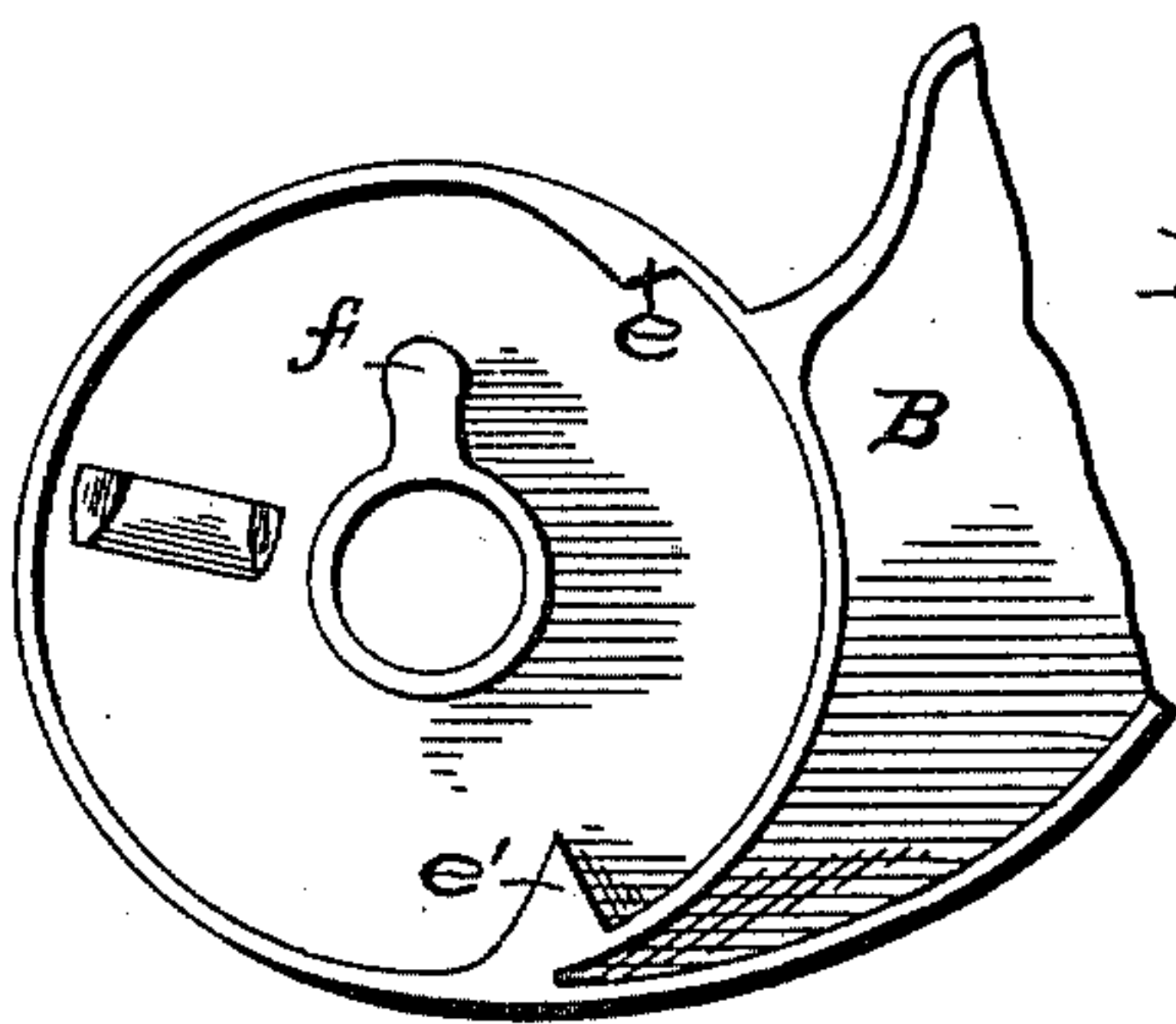


Fig. 5.

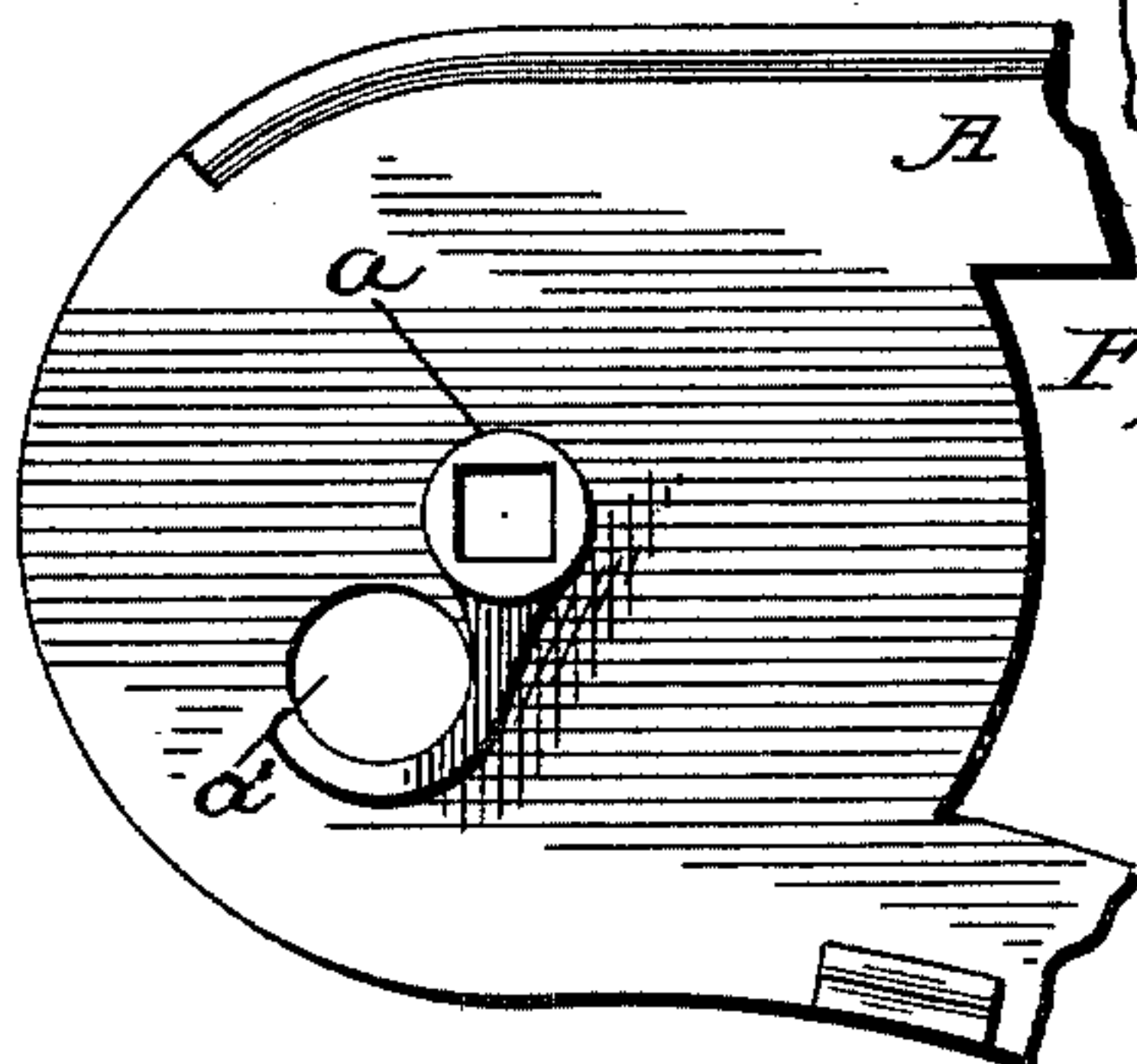


Fig. 6.

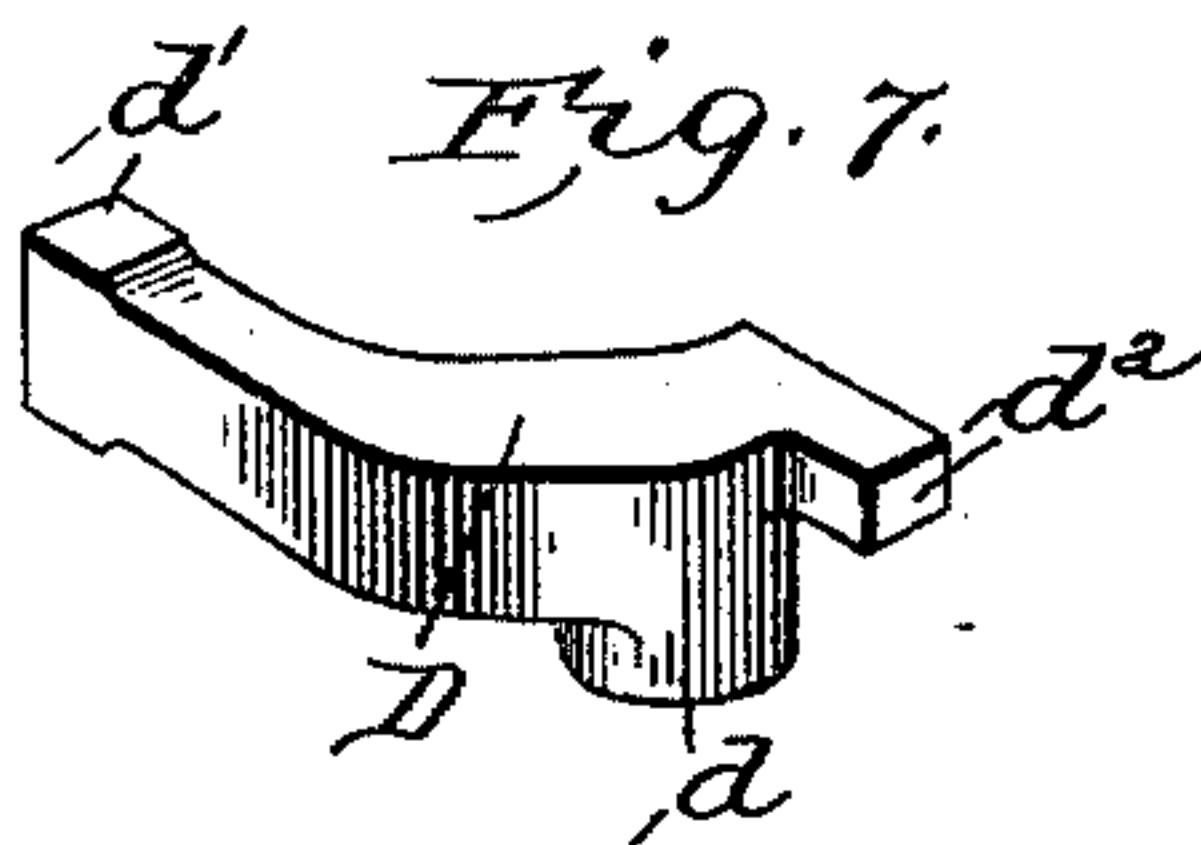


Fig. 7.

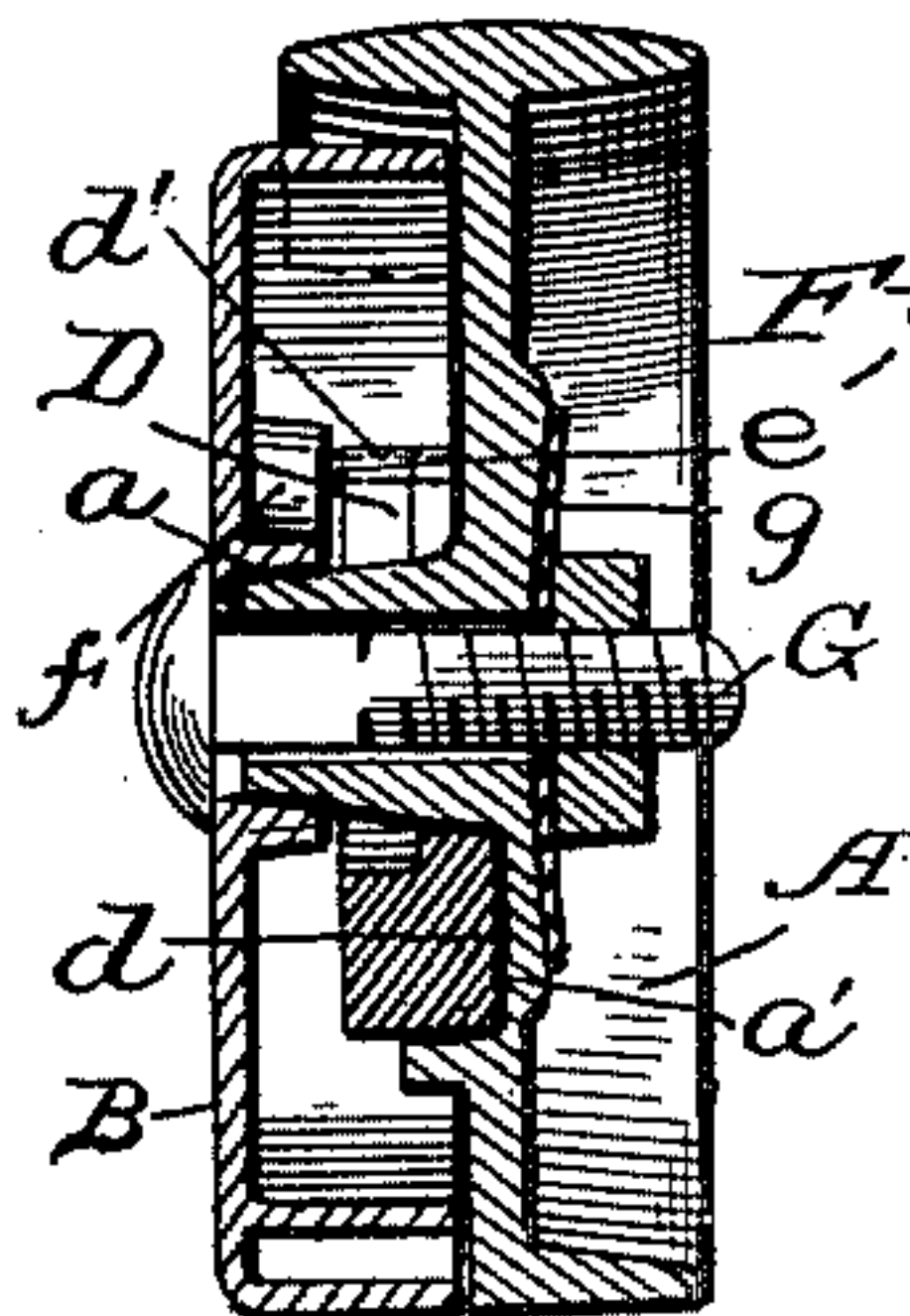


Fig. 4.

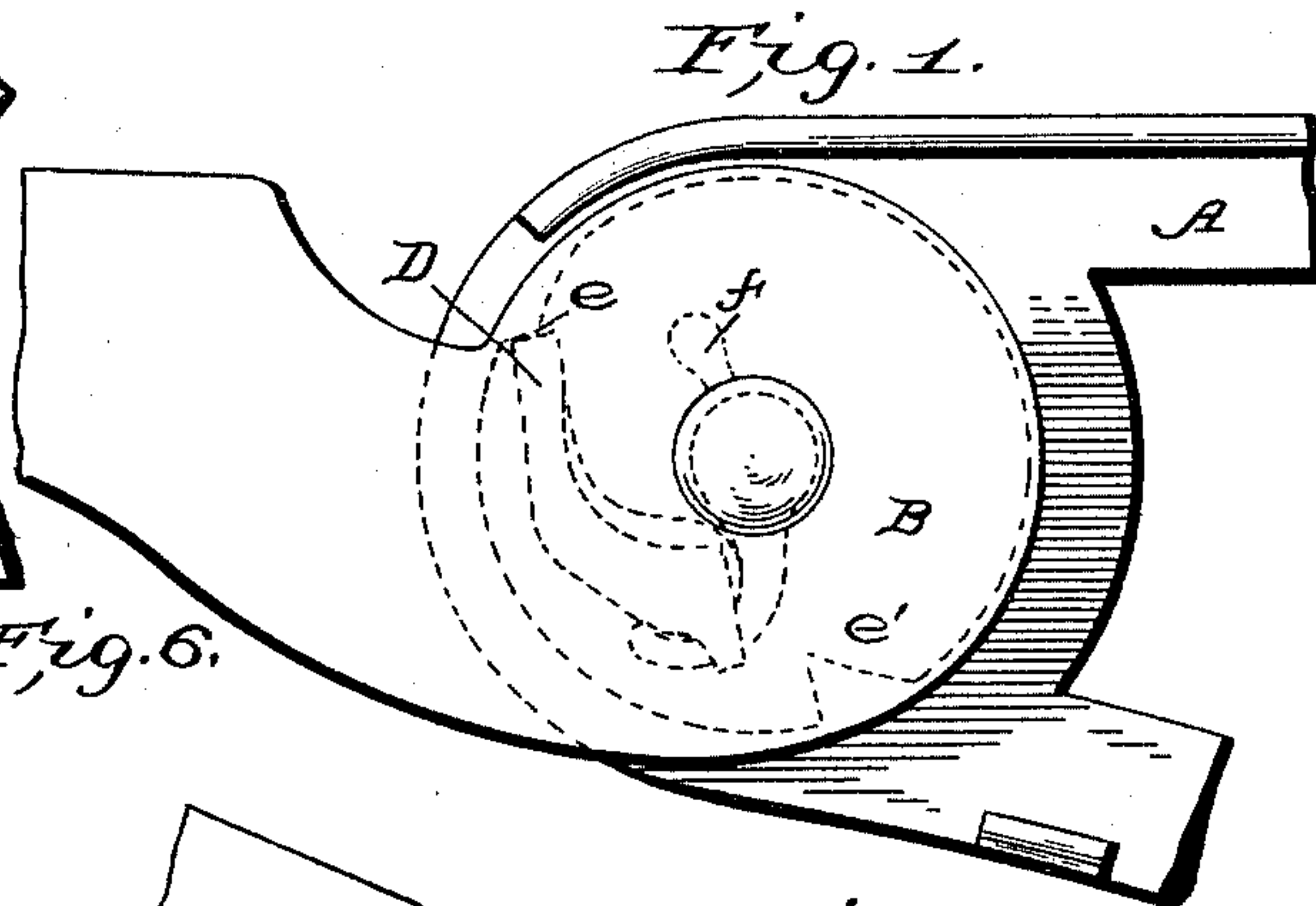


Fig. 1.

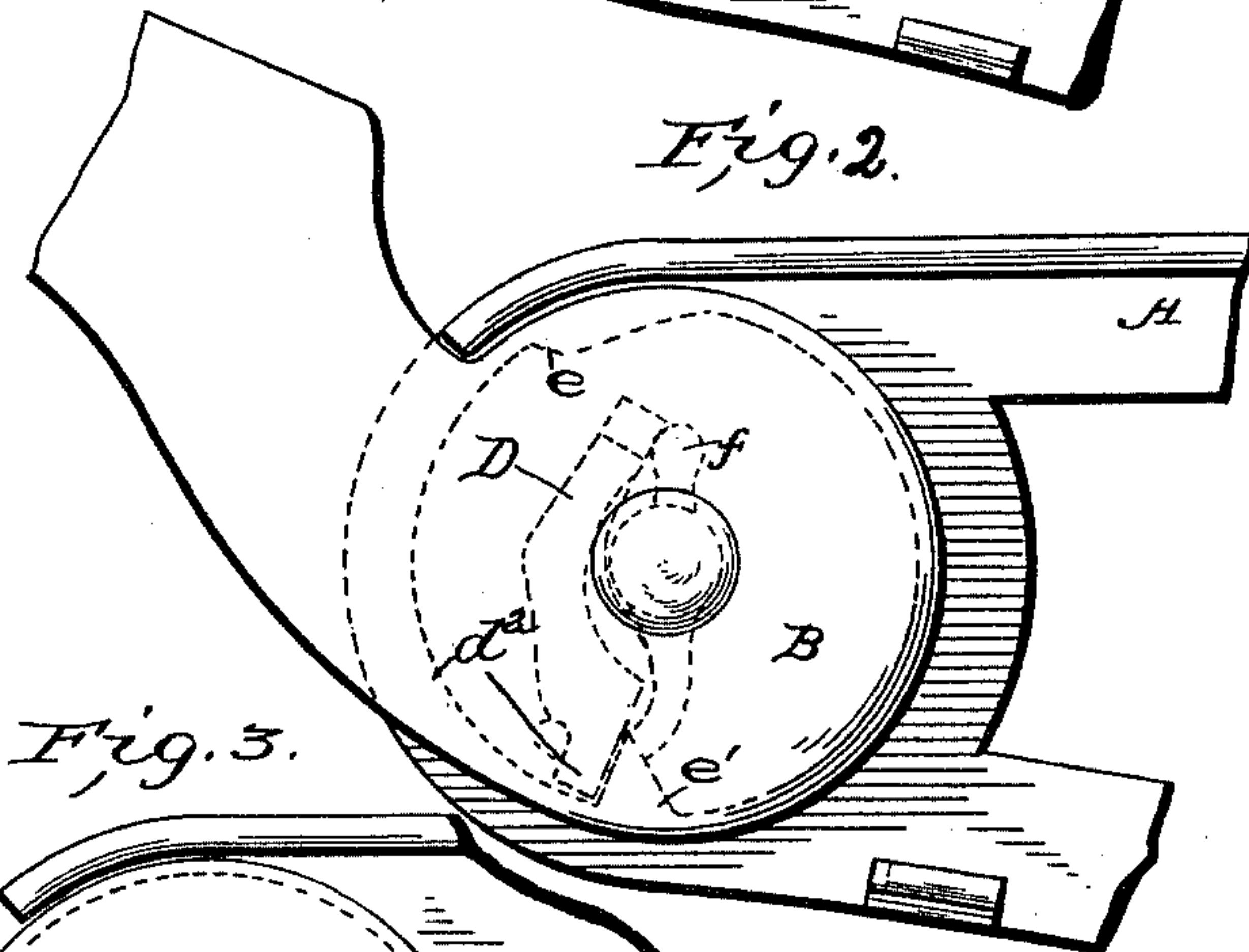


Fig. 2.

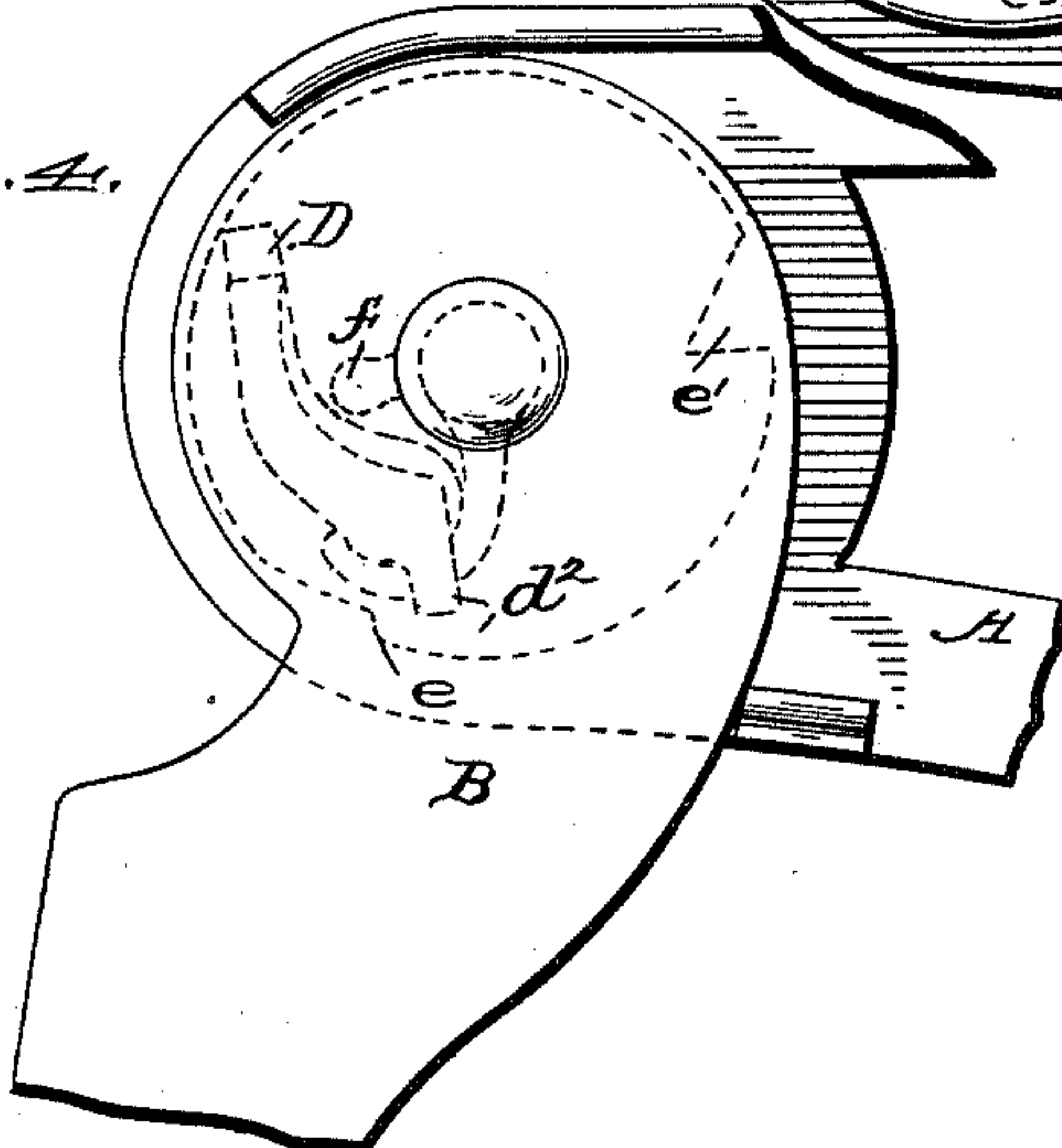


Fig. 3.

Attest
Wm. F. Hall
Notary Public

Inventors
A. D. Linn
A. A. Lytle
by Wm. Spruill Atty.

UNITED STATES PATENT OFFICE.

ALLEN D. LINN AND ALTON A. LYTLE, OF GRAND RAPIDS, MICHIGAN,
ASSIGNORS TO THE GRAND RAPIDS SCHOOL FURNITURE COMPANY,
OF SAME PLACE.

TABLET-ARM.

SPECIFICATION forming part of Letters Patent No. 592,471, dated October 26, 1897.

Application filed March 24, 1896. Serial No. 584,683. (No model.)

To all whom it may concern:

Be it known that we, ALLEN D. LINN and ALTON A. LYTLE, citizens of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Tablet-Arms, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to improvements in tablet-arms designed for connecting a tablet or support to chairs and seats to adapt them for use in lecture-halls and similar places.

The object of our invention is to provide a form of connection which shall be automatic in its operation to hold the tablet in an elevated position ready for use or to permit the tablet to drop down out of the way. We have also aimed to provide a joint which shall be neat and sightly in its appearance and in harmony with the general appearance of the chair, one in which there are no projections to catch in and tear the clothing, and in which also all the parts are incased.

We have illustrated the invention in the accompanying drawings, in which—

Figure 1 is a side elevation of a portion of a chair-arm, showing the tablet-arm in position for use, parts being broken away. Fig. 2 is a similar view showing the tablet-arm partly raised to release the pawl and permit the tablet to be dropped down out of the way. Fig. 3 is a similar view showing the tablet-arm in its lowered position. Fig. 4 is a sectional view of the joint. Figs. 5, 6, and 7 represent detached details.

Referring more particularly to the figures, A represents the arm of the seat or chair, and B the arm which supports the tablet. The chair-arm A is provided with a trunnion *a*, upon which the arm B hinges or turns. A recess *a'* is formed in the face of the chair-arm A, and a pawl D has an offset or lateral extension *d*, which enters this recess and forms a pivot upon which the pawl swings. The end *d'* of the pawl is adapted to come in contact with a stud or projection *e* on the inner periphery of the tablet-arm, which is hollowed out, as shown in section, to form a casing for containing the pawl, and when the pawl is thus in contact with the stud *e*, as shown in Fig. 1, the tablet-arm is held up in position convenient for use. When it is desired to drop the

tablet-arm out of the way, the arm is simply raised to the position shown in Fig. 2, when a cam or stud *e'*, also formed on the inner face of the hollow portion of the tablet-arm, comes in contact with the opposite end or tailpiece *d²* of the pawl and tips the pawl, throwing its end *d'* inward out of the path of the stud *e*, so that when the arm is lowered it is permitted to drop down into the position shown in Fig. 3 out of the way. In this position, however, a third stud or projection *f* comes in contact with the pawl and swings its end *d'* outward against the inner face of the containing-chamber, so that when the tablet-arm is again raised the projection *e* rides over the pawl and is engaged thereby and thus holds the tablet-arm in its elevated position.

The parts are so arranged that the pawl acts by gravity, thus doing away with the use of springs, and as the parts occupy but little space and are contained entirely within the recess in the tablet-arm a compact and sightly joint is presented and one which is extremely simple, durable, and effective.

The two arms are held together by a bolt G, passing through an opening in the parts, a spring-washer being placed beneath the nut, as shown at *g*, the face of the arm being concaved to allow the spring-washer to place a yielding tension upon the parts.

Having thus described our invention, what we claim is—

In combination, a seat-arm having a flat face, a tablet-arm pivoted thereto having an annular flange with its edges resting against said flat face, a pawl pivoted to said flat face to one side of and below the pivot of the tablet-arm, a projection extending inwardly from said flange adapted to be engaged by the end of said pawl to support said tablet-arm in a horizontal position, a second projection on the flange for releasing the pawl, and a lug on the tablet-arm adapted to return the pawl to normal position, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

ALLEN D. LINN.
ALTON A. LYTLE.

Witnesses:

L. T. GIBSON,
J. H. MEGREW.