

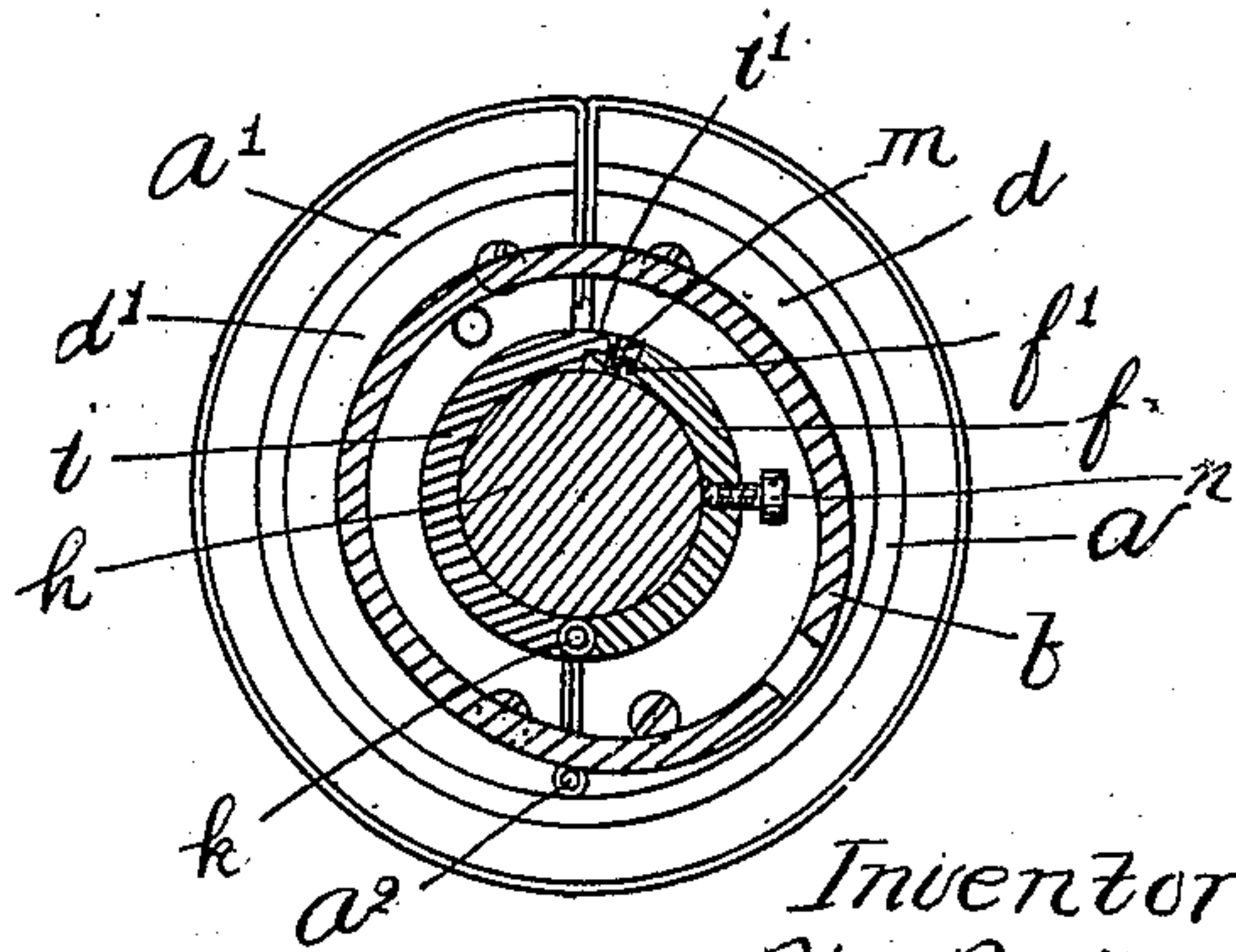
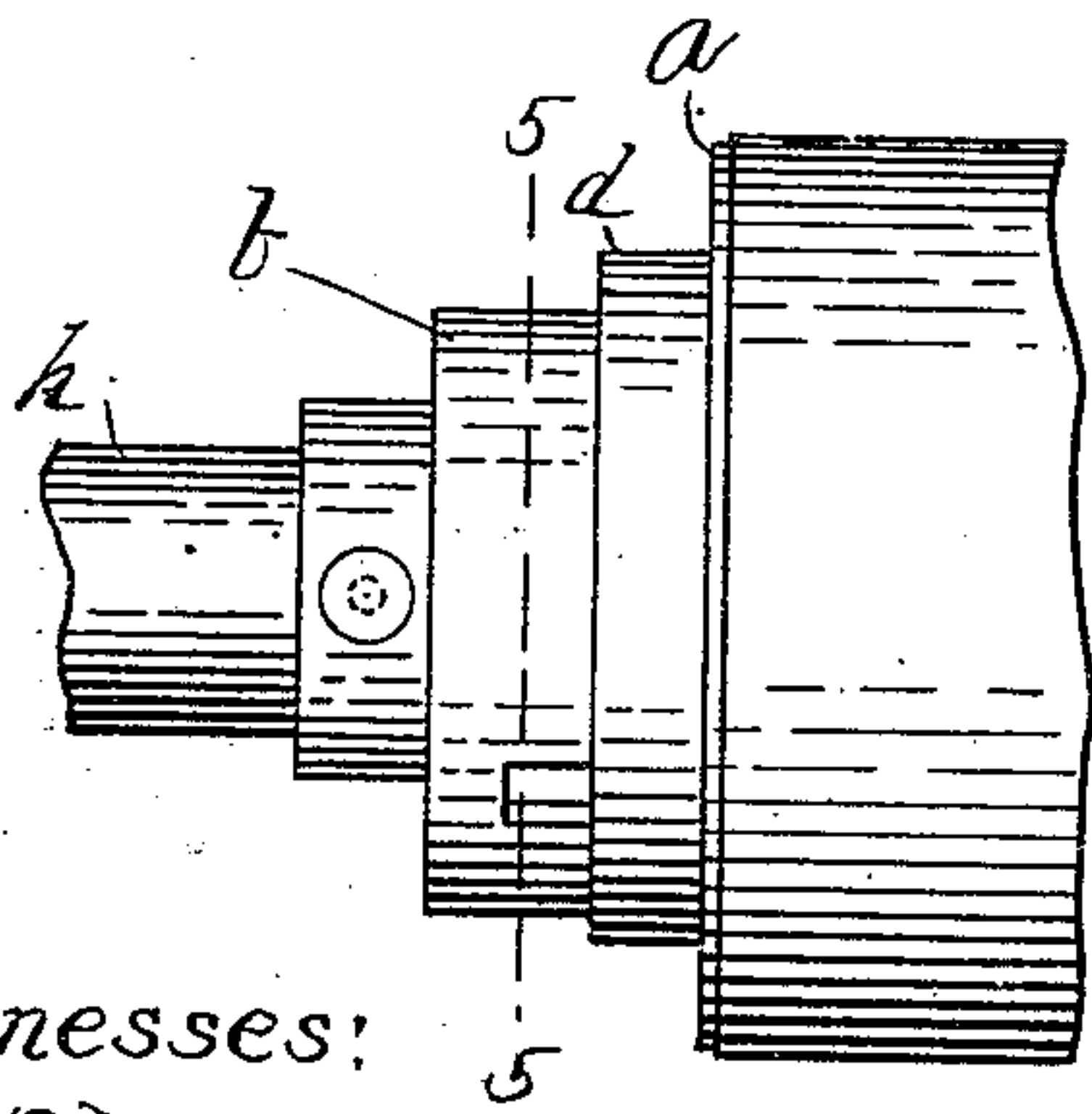
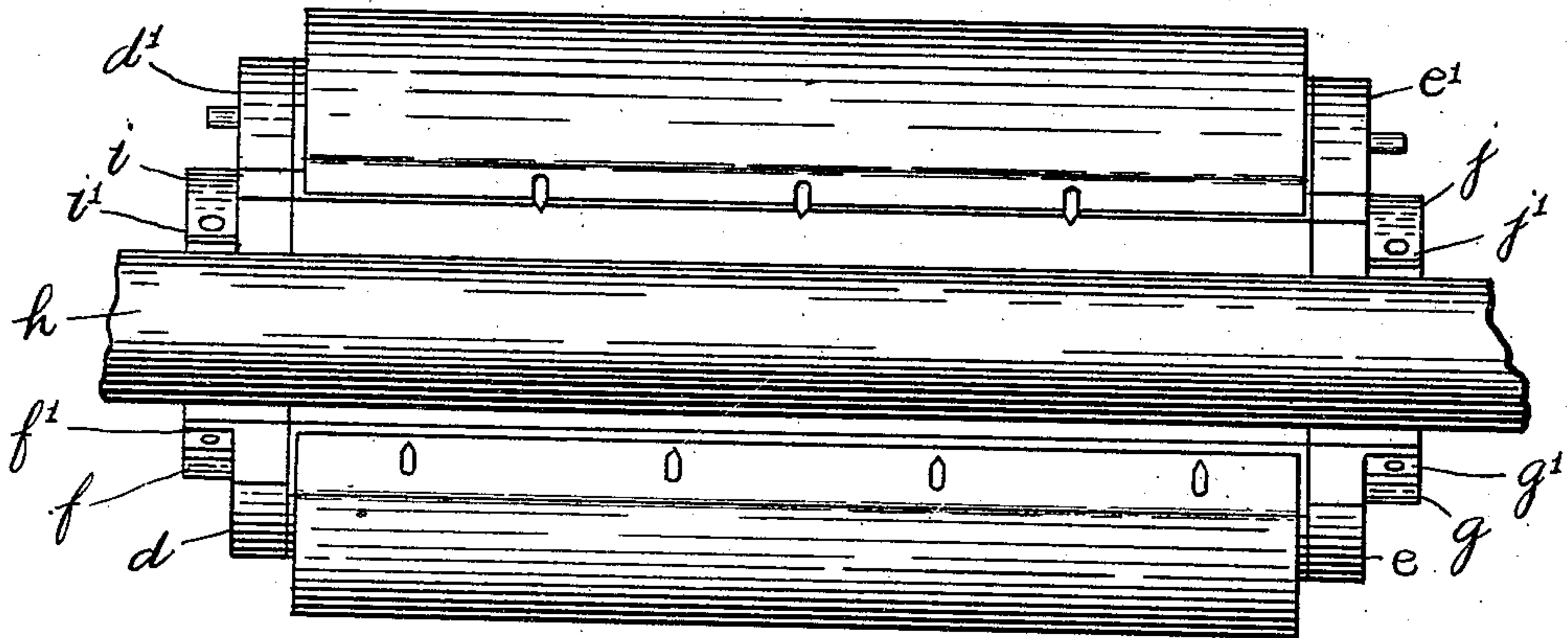
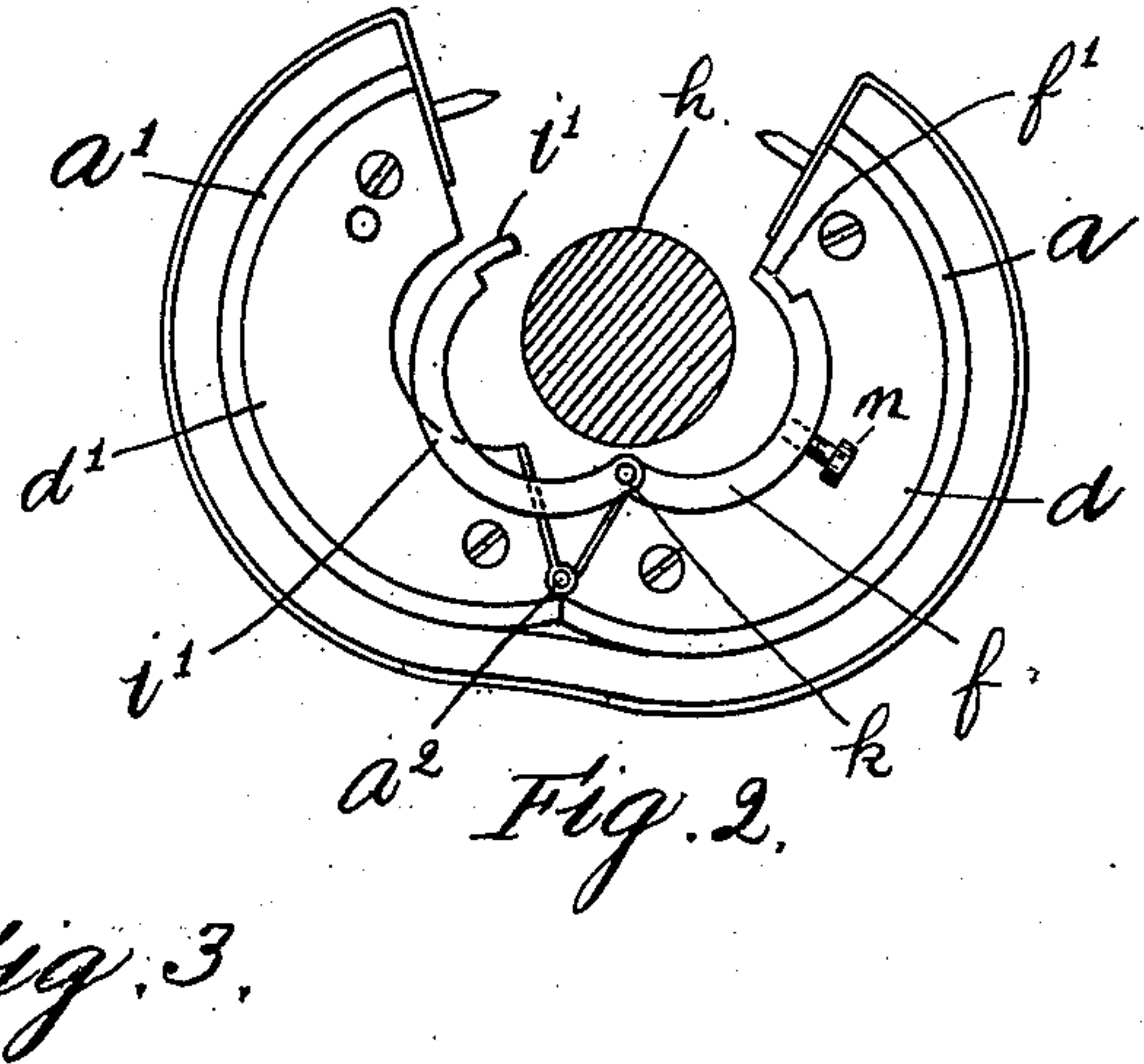
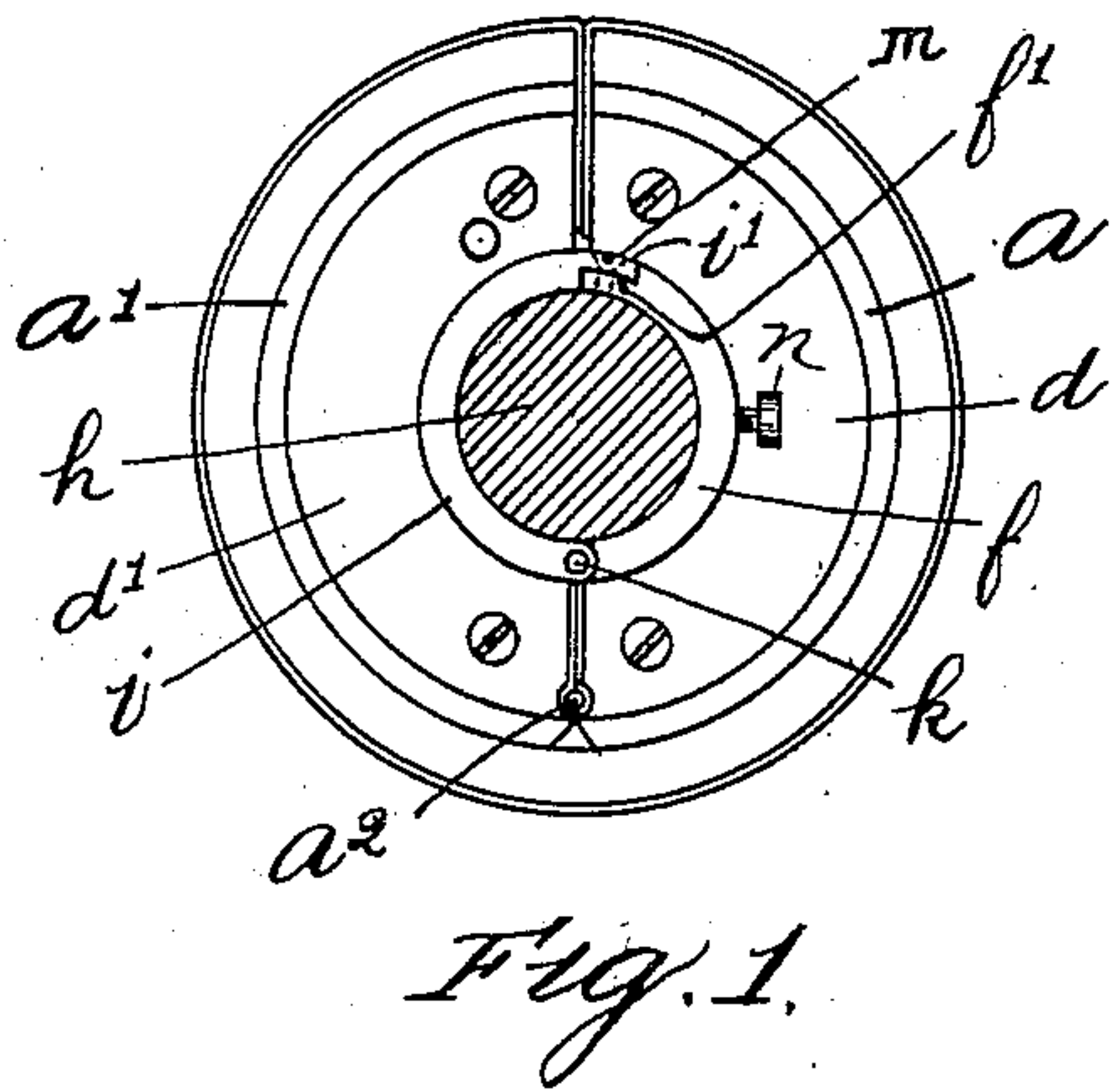
No. 855,922.

PATENTED JUNE 4, 1907.

P. BACIGALUPO.

BUFFING ROLL.

APPLICATION FILED APR. 30, 1906.



Witnesses:
H. B. Davis.
D. Howard.

Inventor:
Petr Bacigalupo.
By *Nayr K. Karamian*
Attys

UNITED STATES PATENT OFFICE.

PETER BACIGALUPO, OF HAVERHILL, MASSACHUSETTS.

BUFFING-ROLL.

No. 855,922.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed April 30, 1906. Serial No. 314,464.

To all whom it may concern:

Be it known that I, PETER BACIGALUPO, of Haverhill, county of Essex, State of Massachusetts, have invented an Improvement in Buffing-Rolls, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to certain improvements in that class of buffing rolls which comprise two semi-cylindrical, felt-covered sections hinged and locked together and adapted to be unlocked and opened to permit the ends of the buffing-paper to be inserted and clamped therebetween, one of said sections having a solid metal collar, permanently connected thereto at each end, through which the shaft passes to hold the roll in place thereon when the roll sections are opened to change the buffing-paper. With these devices, it is customary to secure the cushioning felt with glue, and, in order that this may be satisfactorily accomplished, the felt must be held bound about the roll for a considerable length of time and until the glue becomes thoroughly hard, so that it is not ordinarily practicable to change the felt without removing the roll from the shaft. The result is that with the above described form of roll, whenever the felt is to be changed the shaft must be removed from the bearings, so that the roll may be slipped off over the end of the shaft. To do this requires considerable time, and it often happens that when the shaft is replaced it does not run as satisfactorily as it did before.

My invention has for its object to provide a buffing-roll of the above described character which is provided with means whereby the roll will be held upon the shaft in substantially the same manner as before, but is further provided with means whereby the whole roll may be quickly and easily removed from the shaft without removing the shaft from either bearing, or disturbing it in any way. I accomplish this object by the means shown in the accompanying drawing in which,

Figure 1 is an end view of a buffing-roll provided with my invention, showing the parts in position for use. Fig. 2 is a similar view showing the parts in position to permit removal from the shaft. Fig. 3 is a plan view showing the parts in the position of Fig. 2. Fig. 4 is an elevation of one end of the roll showing the roll sections locked to-

gether, and Fig. 5 is a sectional view on line 5—5, of Fig. 4.

As shown in the drawing, the buffing roll comprises the usual semi-cylindrical felt covered body sections *a*, *a'* of wood, said sections being connected at one side by the usual hinge *a²* and provided with the usual eccentric locking rings *b* for holding said sections together. The usual flat ring sections *d*, *d'* and *e*, *e'* are respectively permanently secured to the ends of the roll sections *a*, *a'*. The ring sections *d*, *e*, each have formed integral therewith a projecting, semi-circular collar-section *f* and *g*, respectively, the inner surfaces of which are respectively continuous with the inner surfaces of the ring sections *d* and *e*, both of which are adapted to fit onto the shaft *h*. Semi-circular collar sections *i*, *j*, corresponding in size and shape to sections *f*, *g*, are each pivoted at one end as indicated at *k*, to the ends of the sections *f*, *g*, respectively, adjacent the hinged side of the roll-sections, the opposite ends of sections *i*, *j* being respectively provided with projections *i'*, *j'* which are adapted to fit into corresponding recesses *f'*, *g'* formed in the corresponding ends of the collar sections *f*, *g*, when said sections *i* and *j* are swung into engagement with sections *f* and *g* so as to form complete rings or collars as shown in Fig. 1.

The overlapping portions of collar sections *f*, *i* and *g*, *j* are fastened together by means of screws *m*, which are threaded in the projections *i'*, *j'*, and recessed ends of sections *f*, *g*, respectively.

Assuming that the parts are in the position of Figs. 1 and 4, to take the roll from the shaft it is merely necessary to slip the locking rings *b* back away from the roll and then remove the locking screws *m*, so that the roll may be opened, and the collar sections *i*, *j* be swung away from the fixed sections *f*, *g*, so that the parts assume the position of Figs. 2 and 3. The roll may then be moved transversely out of engagement with the shaft, as will be obvious.

The roll is placed on the shaft in reverse order, as will be obvious, and after the locking screws *m* have been placed in position to lock the collar sections about the shaft the roll is locked on the shaft by means of a set screw *n* located in the fixed collar section.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A buffing roll comprising two roll-sec-

tions having a hinge connection, a two section collar adapted to fit the shaft, one collar section being permanently connected to one of said roll sections, and means for connecting
5 the other collar section to the permanently connected collar section whereby said collar sections may be relatively moved to permit transverse removal thereof from the shaft, substantially as described.

- 10 2. In a buffing roll comprising two roll sections having a hinge connection at one side thereof, adapted to be locked together about a shaft, a pair of two-section collars adapted to fit the shaft, one section of each collar
15 being rigidly connected to the respective

ends of one of said roll-sections and the other sections of said collar extending through half a circle and each being pivotally connected at one end to its corresponding section adjacent said hinge connection, and removably connected thereto at its opposite end, substantially as described. 20

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

PETER BACIGALUPO.

Witnesses:

L. H. HARRIMAN,
H. B. DAVIS.