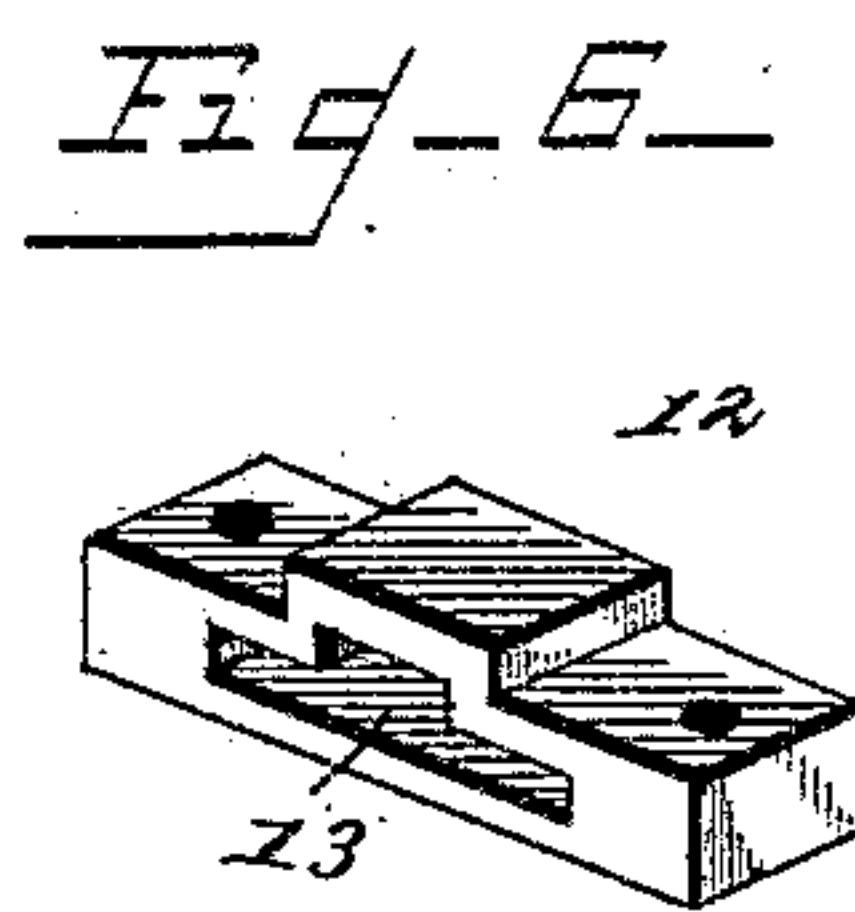
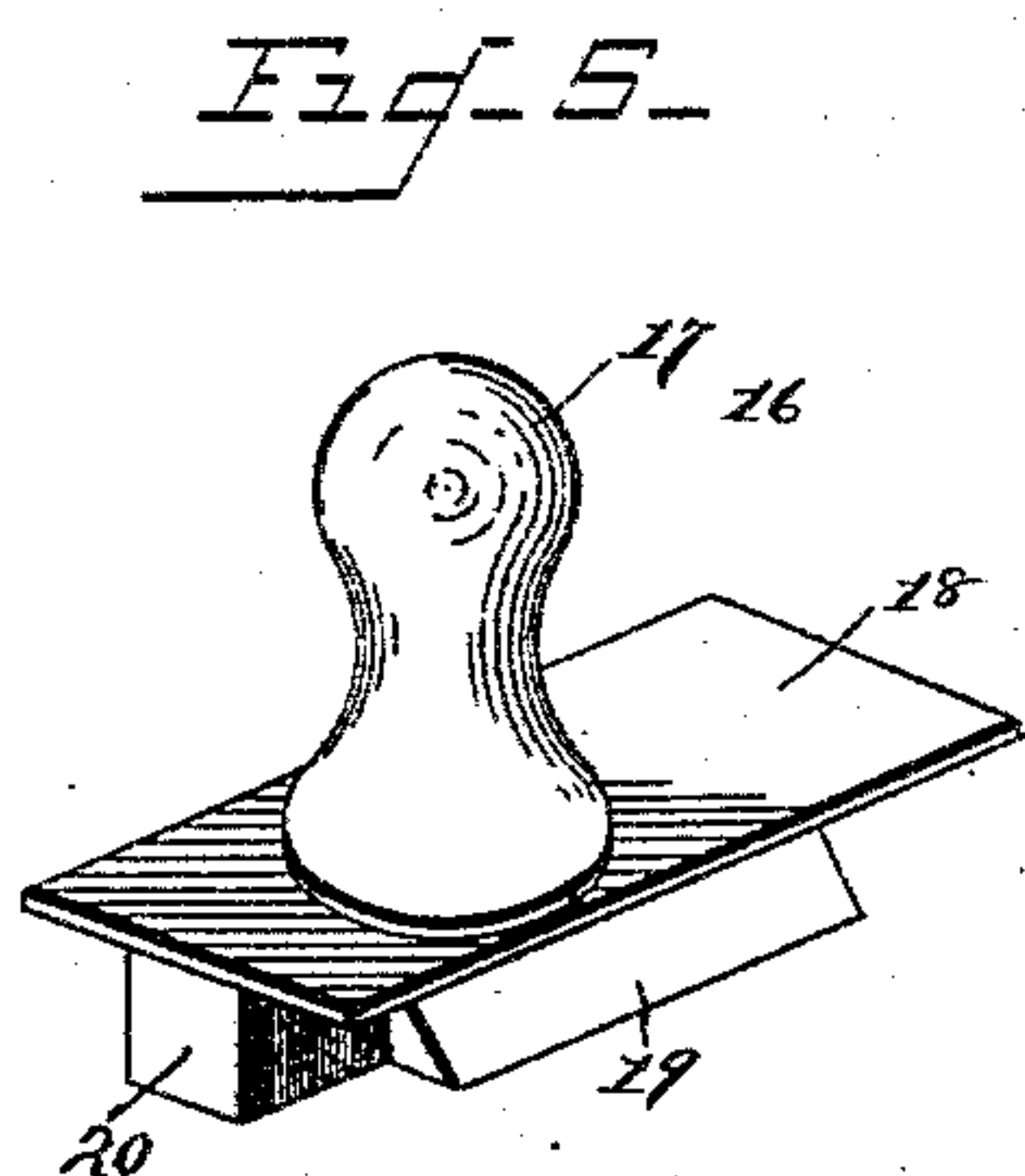
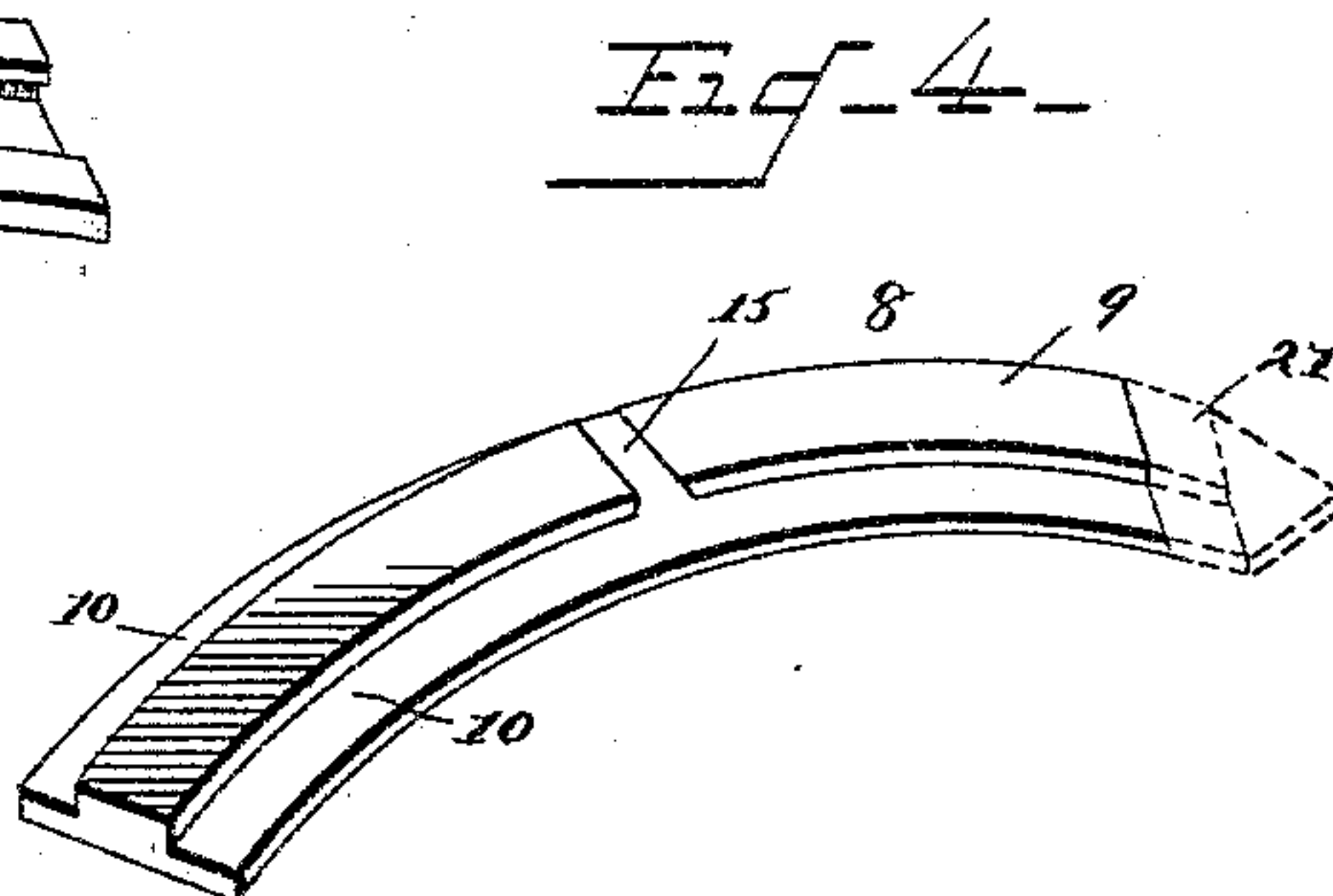
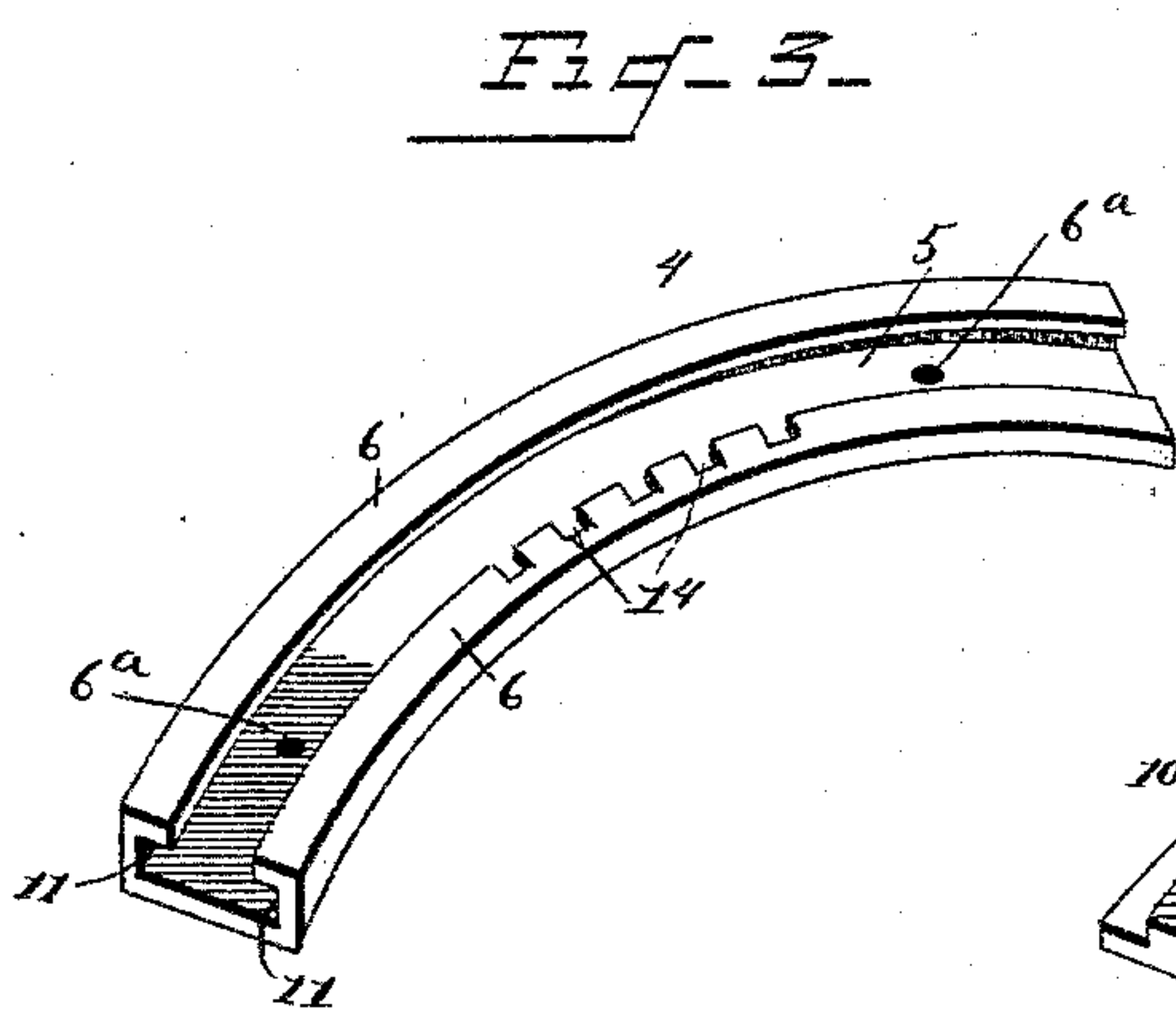
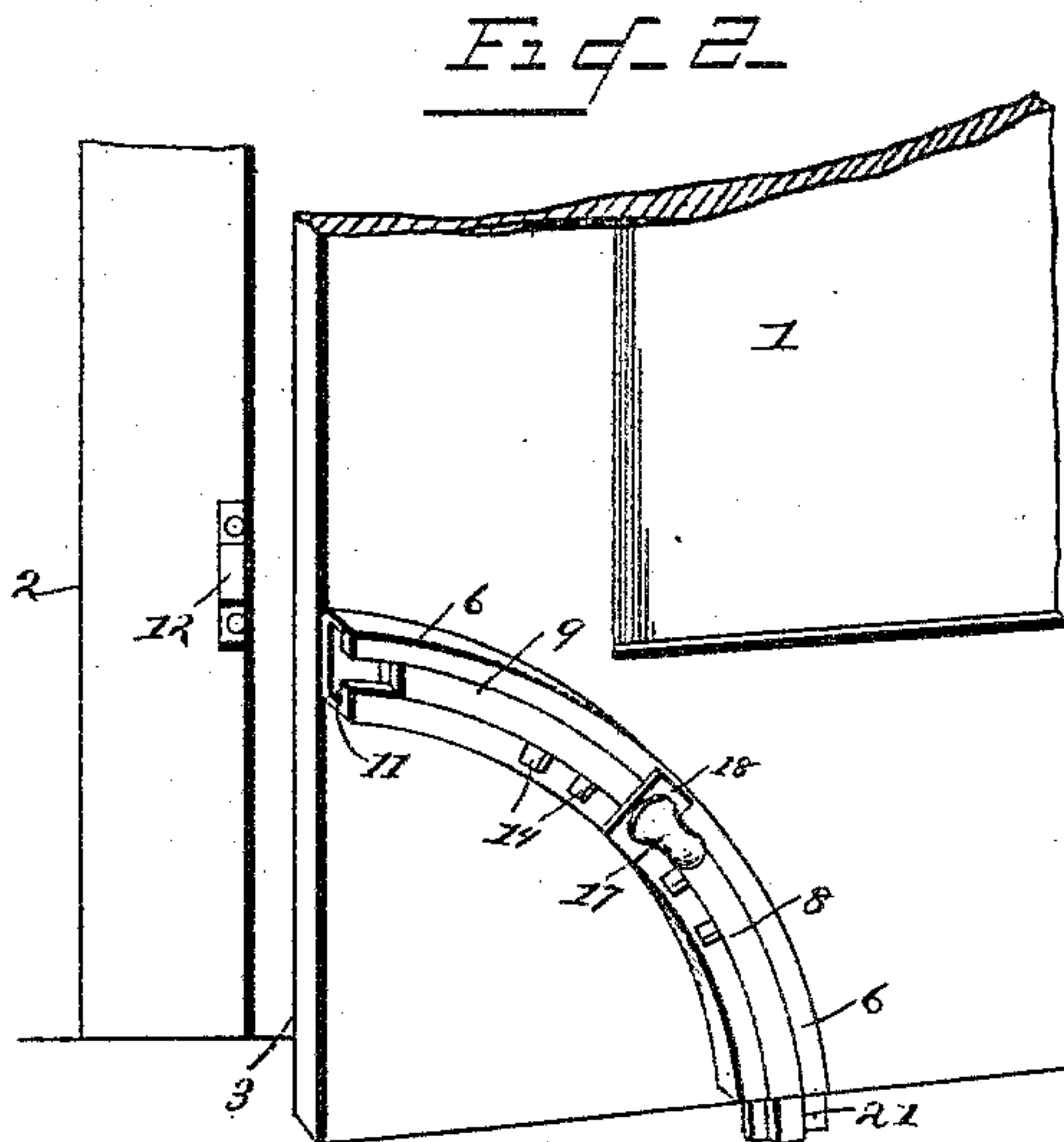
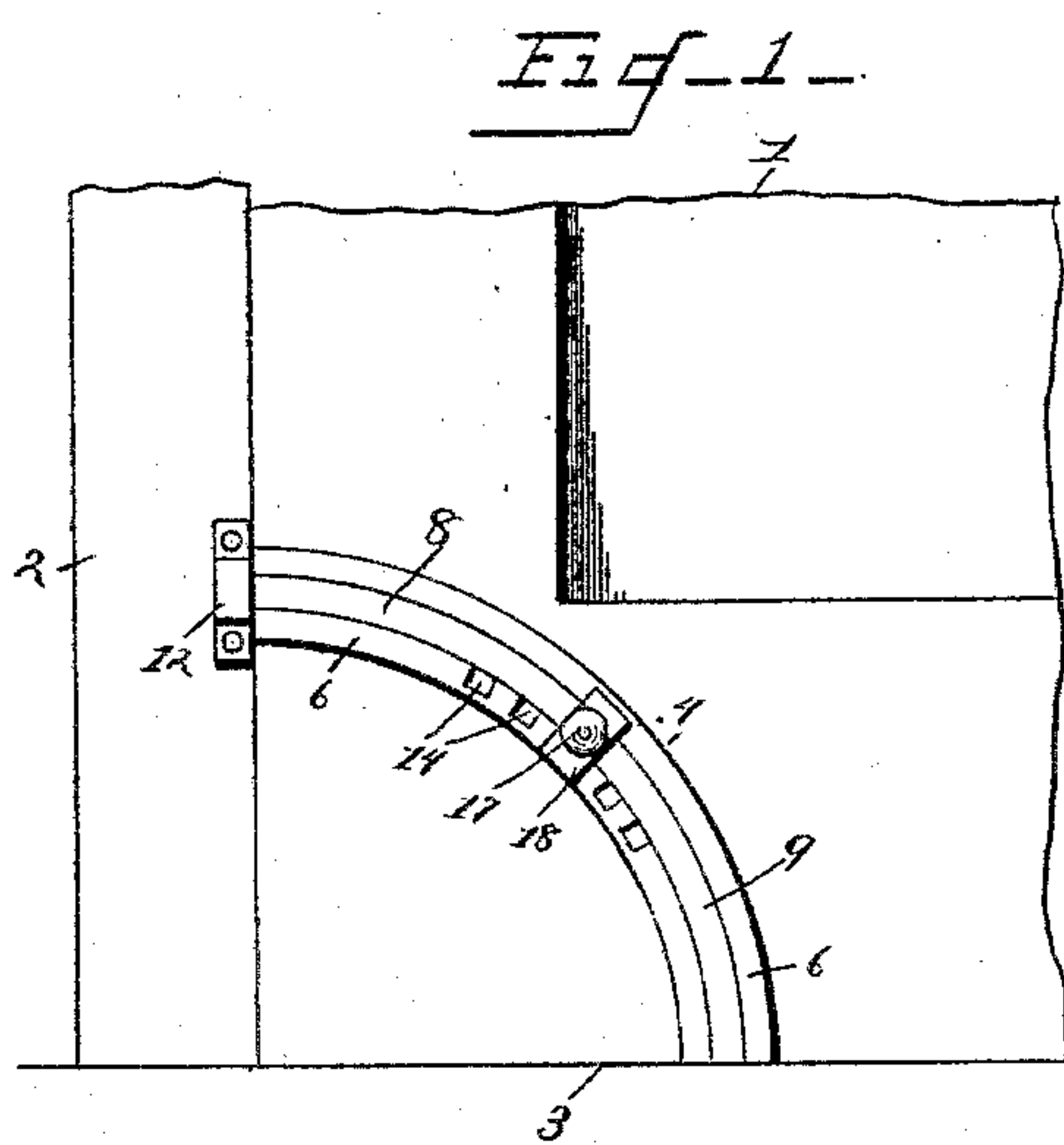


(No Model.)

S. N. PARK.
BOLT.

No. 414,570.

Patented Nov. 5, 1889.



Witnesses:

Geo. E. Truch.

W. J. L. Wall

By his Attorneys,

C. A. Snow & Co.

Inventor

Staats M. Park

UNITED STATES PATENT OFFICE.

STAATS N. PARK, OF BLOOMSBURY, NEW JERSEY.

BOLT.

SPECIFICATION forming part of Letters Patent No. 414,570, dated November 5, 1889.

Application filed June 4, 1889. Serial No. 313,041. (No model.)

To all whom it may concern:

Be it known that I, STAATS N. PARK, a citizen of the United States, residing at Bloomsbury, in the county of Hunterdon and State of New Jersey, have invented a new and useful Bolt for Doors, Windows, &c., of which the following is a specification.

This invention has relation to bolts for doors, windows, &c.; and among the objects in view are to provide a neat, efficient, and cheaply-constructed bolt adapted especially for doors, and when used thereon to not only be capable of performing the function of an ordinary locking-bolt, but also to be capable of use as a door-stop, whereby a door may be maintained at any desired angle with relation to the casing.

The invention consists in the provision of a bolt-plate of preferably arc shape, said bolt-plate being provided with a series of notches and with an arc-shaped bolt mounted for reciprocation in the bolt-plate and provided with a latch adapted to take into the notches, said bolt being also designed for downward extension below the bottom edge of the door and in contact with the flooring, whereby the door is prevented from opening or closing, or, in other words, may be maintained at any angle.

Referring to the drawings, Figure 1 is a front elevation of a door and its casing connected by a bolt constructed in accordance with my invention. Fig. 2 is a similar view, the bolt extended to retain the door open. Fig. 3 is a detail in perspective of the bolt-plate; Fig. 4, a similar view of the bolt; Fig. 5, a similar view of the latch, and Fig. 6 of the keeper.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents the door; 2, the casing or jamb, and 3 the flooring.

4 represents the bolt plate or case, and the same is adapted to be cast in a single piece, and consists of a bottom securing-plate 5 and opposite L-shaped flanges 6, formed upon its edges, said plate and flanges being formed upon the arc of a true circle. Perforations 6^a are formed at suitable intervals in the plate 5, and through the same are passed screws, which enter the door and secure the

plate in position. I preferably locate the plate at the outer lower corner of the door and in such relation thereto that one edge of the arc-shaped plate will be flush with the outer edge of the door, and the opposite end of said plate with the lower edge of the door.

Mounted for reciprocation and partaking of the contour of the plate or casing 4 is an arc-shaped bolt 8, consisting of a central rib 9 of a width adapted to be embraced at both sides by the edges of the L-shaped flanges 6, and provided with opposite flanges 10 at its opposite edges adapted to be received and ride in the opposite grooves 11, formed by the opposite L-shaped flanges 6.

The bolt is of a length preferably agreeing with that of the case, and is adapted to be projected from the door under a keeper 12, the same being of a T shape, or, in other words, having recesses 13 for the reception of and agreeing with the bolt. Recesses 14 are formed at intervals in one of the flanges 6—in this instance the inner one—and a bolt 8 is provided with a lateral dovetailed recess 15 at about its center, said recess being formed in the rib 9.

16 represents the latch, the same consisting of a handle or button 17, a plate 18, and a lower dovetailed rib 19, adapted to be mounted in the recess 15, formed in the rib 9. The forward portion of the rib 19 forms a plane portion or rib 20, adapted to be received by any of the series of recesses 14.

By moving the bolt upwardly, so as to be inserted under the keeper 12, and then moving the latch 16 inwardly, or what would be downwardly, taking the parts in the position shown, the cut-away portion 20 would enter an adjacent or opposite recess 14, and thus the bolt would be latched and prevented from any accidental reverse movement serving to unlock the same. In the same manner the lock may be withdrawn and maintained in an unlocked position, the latch taking into a central one of the series of recesses 14.

By opening the door a desired distance and forcing the bolt downwardly, so as to impinge upon the floor or carpet, and inserting the latch in one of the recesses, said door may be maintained in that position.

If desired, I may provide the lower end of

the bolt with a tooth 21, (shown by dotted lines in Fig. 4;) or I may substitute for the tooth a rubber friction-cap, whereby the efficiency of the bolt for maintaining the door in an open position is increased.

Having described my invention, what I claim is—

1. The combination, with an arc-shaped bolt-case having opposite L-shaped flanges, one of which is provided with a series of recesses, of a T-shaped bolt mounted for movement in the casing and provided with a lateral recess, and a latch having a rib mounted in the recess of the bolt and adapted to be projected into one of the recesses of the casing, substantially as specified.

2. The combination, with a door and its case, of a keeper mounted near the lower end of the casing and an arc-shaped lock-case mounted at the lower outer corner of the door, the ends of the case being flush with the front and lower edges of the door, and a bolt mounted for movement in the plate and adapted to be projected under the keeper or below the lower edge of the door, and means

for retaining the same in position, substantially as specified.

3. The combination, with the door 1 and its case 2, of the keeper 12, having the T-shaped recess 13, and of the curved bolt-case consisting of the securing-plate 5, perforated as at 6^a, and the securing devices 7, and having the opposite L-shaped flanges 6, forming the grooves 11, one of said flanges being recessed, as at 14, and the bolt 8, curved to agree with the plate and having the central rib 9 and opposite flange 10, said rib being provided with the dovetailed recess 15, and the latch 16, having the handle 17, the plate 18, and the dovetailed rib 19, mounted for lateral movement on the recess 15, and provided with a projection 20 to enter one of the recesses 14, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

STAATS N. PARK.

Witnesses:

A. C. SMITH,

J. W. CREVELING.