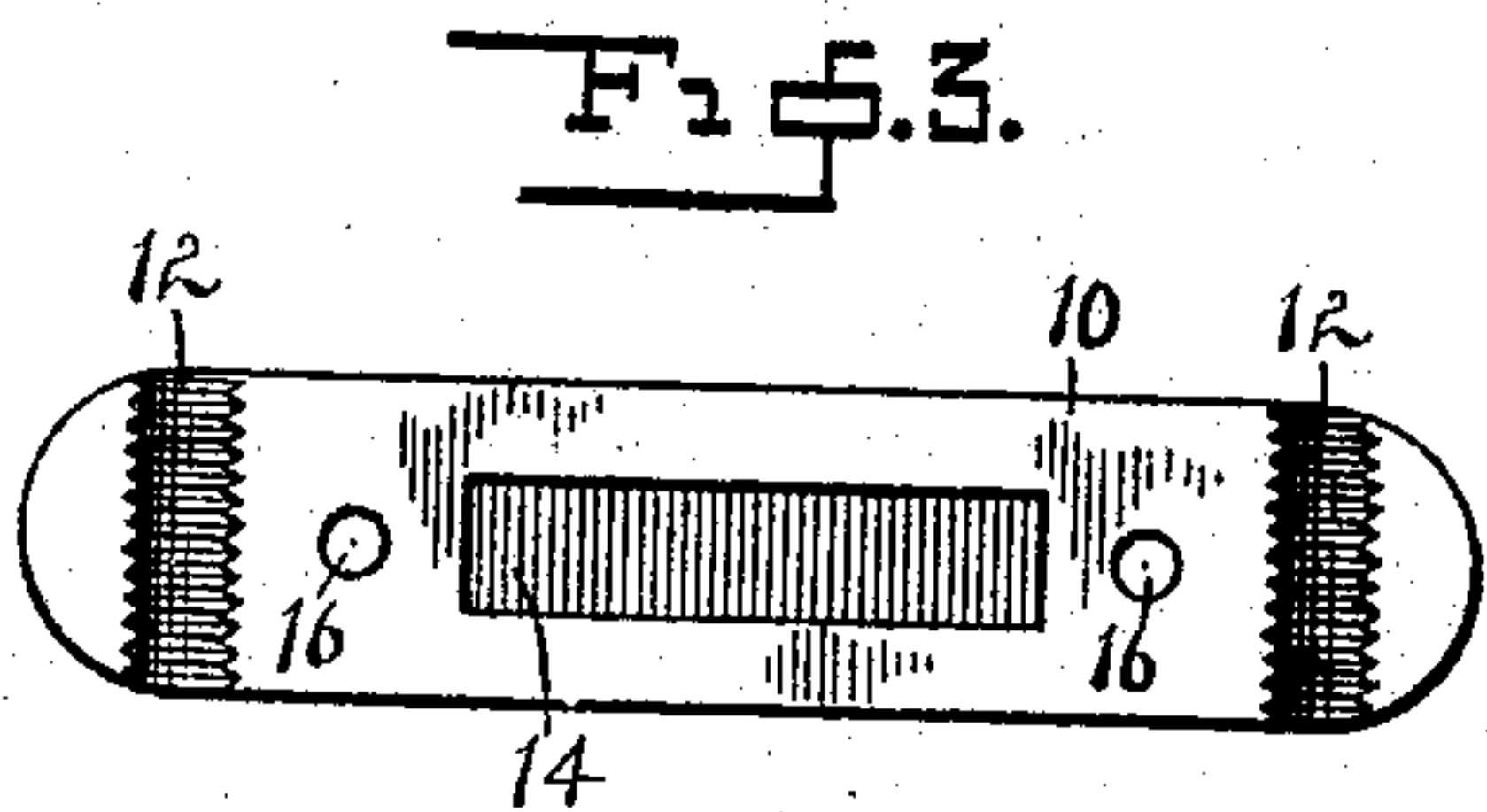
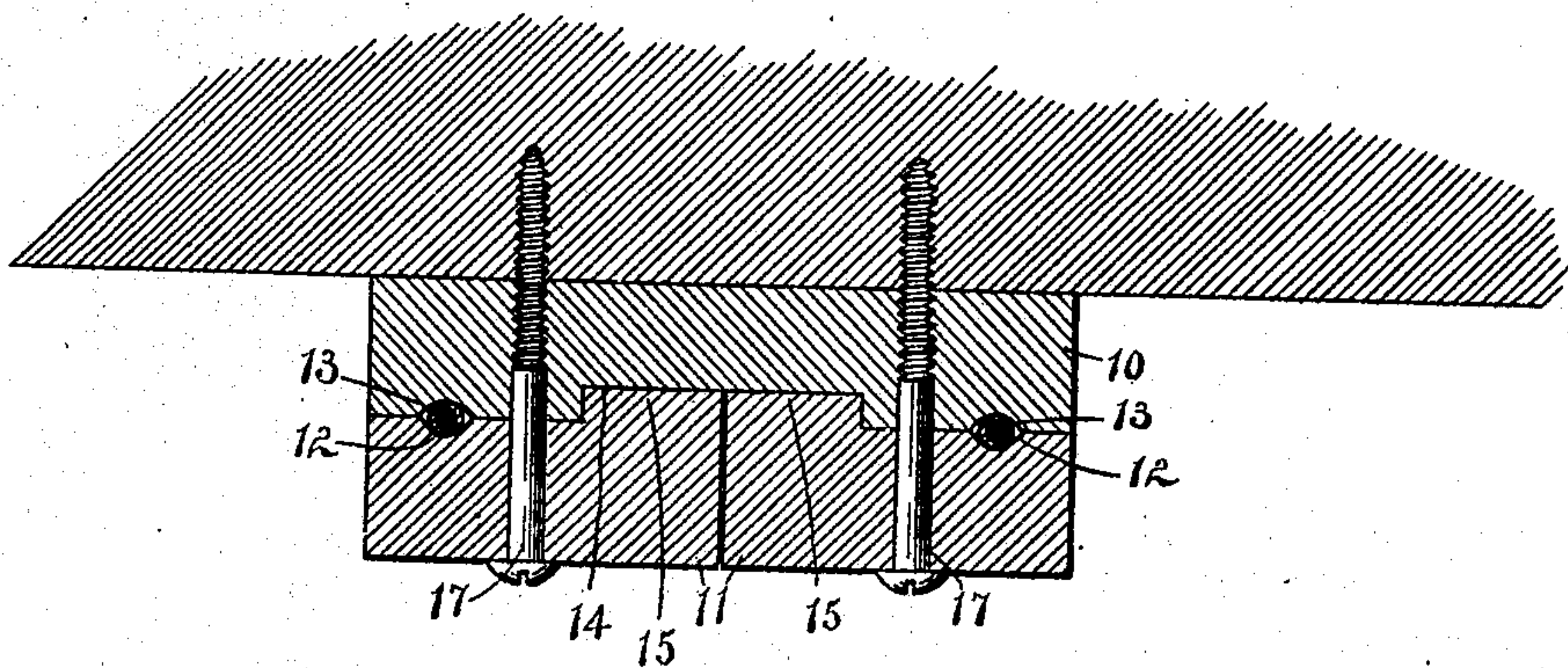
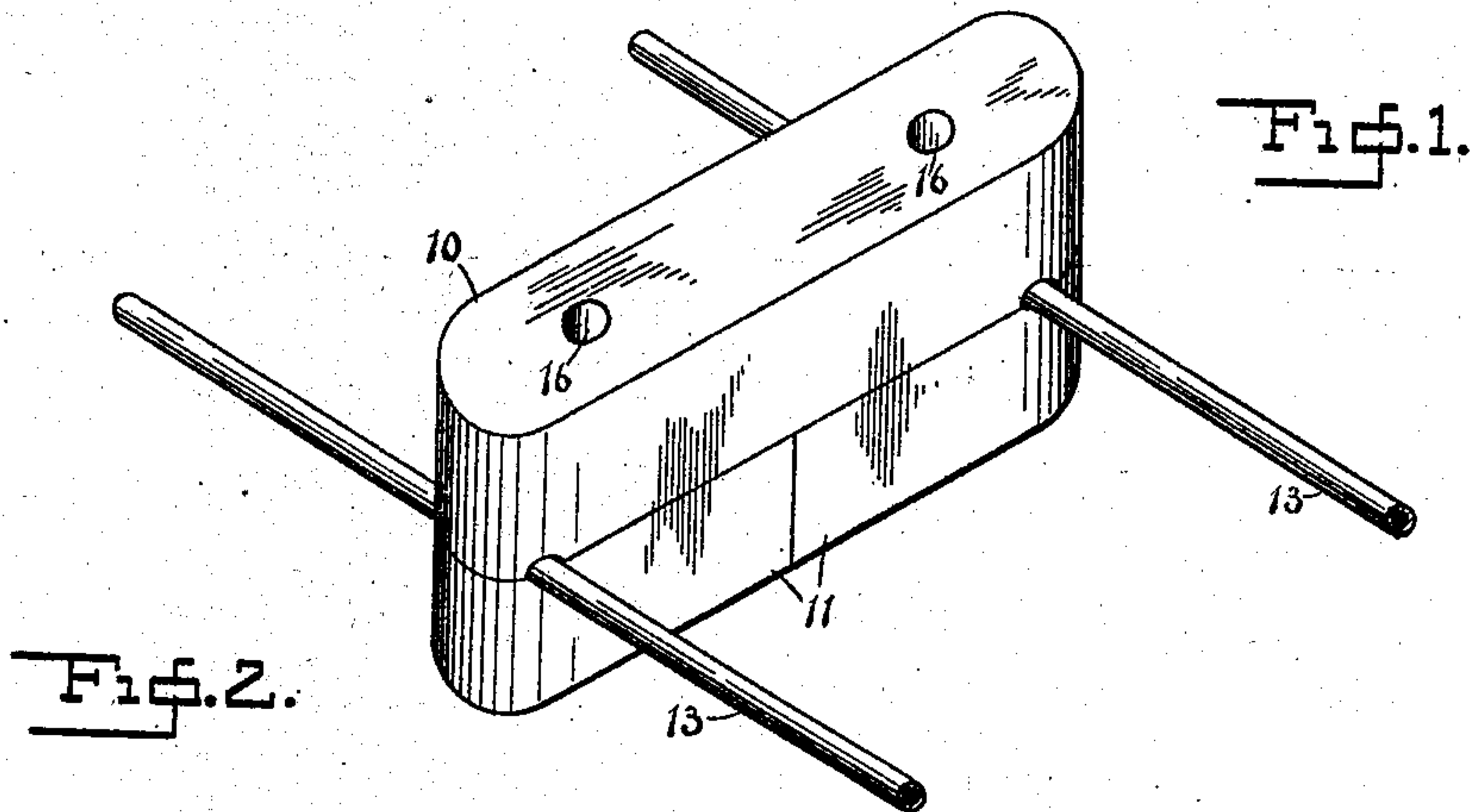


ESAR-HADDON BALL.  
PORCELAIN CLEAT.  
APPLICATION FILED AUG. 6, 1908.

911,864.

Patented Feb. 9, 1909.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ESAR-HADDON BALL, OF CEDAR RAPIDS, IOWA.

## PORCELAIN CLEAT.

No. 911,864.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed August 6, 1908. Serial No. 447,212.

*To all whom it may concern:*

Be it known that I, ESAR-HADDON BALL, a citizen of the United States, residing at Cedar Rapids, in the county of Linn and State of Iowa, have invented certain new and useful Improvements in Porcelain Cleats, of which the following is a specification.

My invention relates to devices for holding and insulating electric wires and has special reference to appliances used particularly for inside work and commonly designated cleats.

The chief objects of my improvements are to provide a fastening for attaching electric wires to walls, ceilings, or other supports that will facilitate the placing of the wires, and that will permit of the removal of one of the wires without disturbing other wires held by the same device.

I attain these objects by the use of the fastening illustrated in the accompanying drawing which forms a part of this application, and in which:—

Figure 1 is a perspective view of my improved cleat with the wires in position in their channels; Fig. 2 is a longitudinal section through a cleat and a portion of its support, showing means of attachment thereto; Fig. 3 is a bottom plan view of the base member, and Fig. 4 is a top plan view of the two portions forming the cap or clamping member.

Referring to the details of the drawing, the numeral 10 indicates an oblong block, formed of some suitable insulating material, and constituting the base member of the cleat, the cap member being composed of duplicate parts 11. The continuous faces of the base and cap members are supplied with grooves, transversely corrugated, and when the parts are assembled these grooves form passages in which the wires 13 are lodged, the said grooves being comparatively shallow so that the corrugations will engage the wires laid therein and hold them securely when the cleats are in position. The lower, or engaging surface of the base member 10 is provided with a recess or mortise 14, and upon the contiguous surfaces of the parts 11 are corresponding tenons 15, which, when combined, fit snugly within said mortise, and when the several pieces are assembled the parts will be thereby locked against lateral or longitudinal displacement. The base and cap members are supplied with screw holes 16

which register when the parts are assembled and the entire device is secured to the support by suitable screws 17, which serve not only to fasten the cleat to the wall or ceiling but also clamp the wires 13 firmly between the base and cap members, thus preventing longitudinal slipping of the conductors.

It will be readily perceived that either section 15 of the cap member may be quickly loosened by unscrewing its binding screw 17 and separated from the base member sufficiently to permit the removal or introduction of a wire and this procedure will not in the least disturb the opposite section 15, and the facility with which the wires may be independently removed or replaced, renders the device of special utility.

While I have shown a cleat adapted to support two wires, it is evident that the same principle may be readily arranged to accommodate a greater number than two.

Having thus described my invention, what I claim as new, is:—

1. A wiring cleat, consisting of a base member provided with a mortise, and a cap member composed of two sections each provided with a tenon adapted to engage the said mortise.

2. A wiring cleat, including a base member provided with a mortise, a cap member composed of two sections, each section provided with a tenon adapted to engage the said mortise, and means for independently securing each of said sections to the base member and to the common support.

3. A wiring cleat, including a base member provided with a mortise, and having transverse grooves, a cap member composed of two sections, each section furnished with a transverse groove adapted to register with one of the said grooves in the base, a tenon projecting from each of the sections, and adapted to engage the said mortise, and clamping screws each screw engaging one of the sections and said base member jointly.

In testimony whereof I affix my signature in the presence of two witnesses.

ESAR-HADDON BALL.

Witnesses:

WM. B. MOORE,  
F. BENJAMIN.