

No. 897,947.

PATENTED SEPT. 8, 1908.

A. B. WILSON.
LIGHT FIXTURE.

APPLICATION FILED SEPT. 27, 1907.

2 SHEETS—SHEET 1.

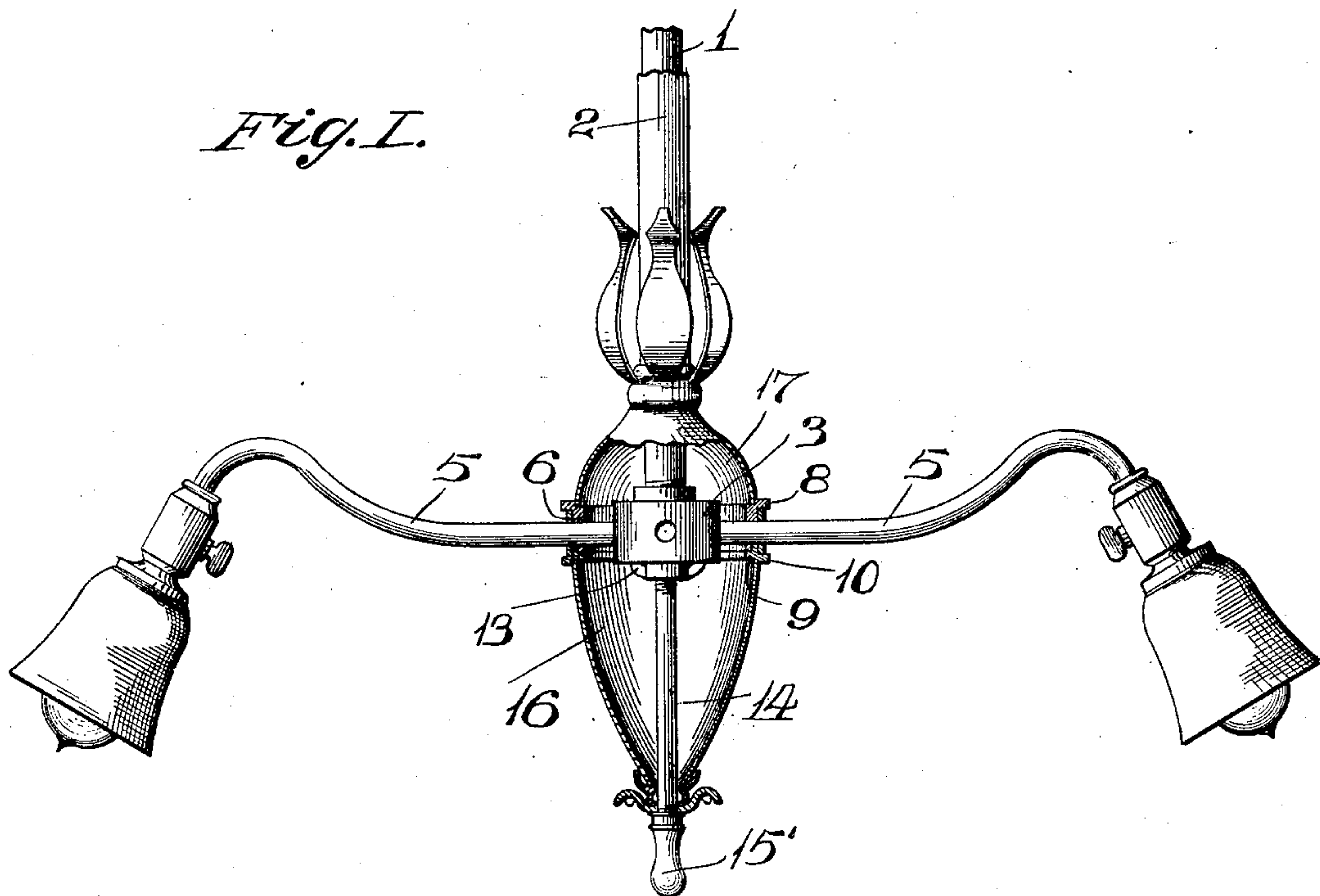


Fig. II.

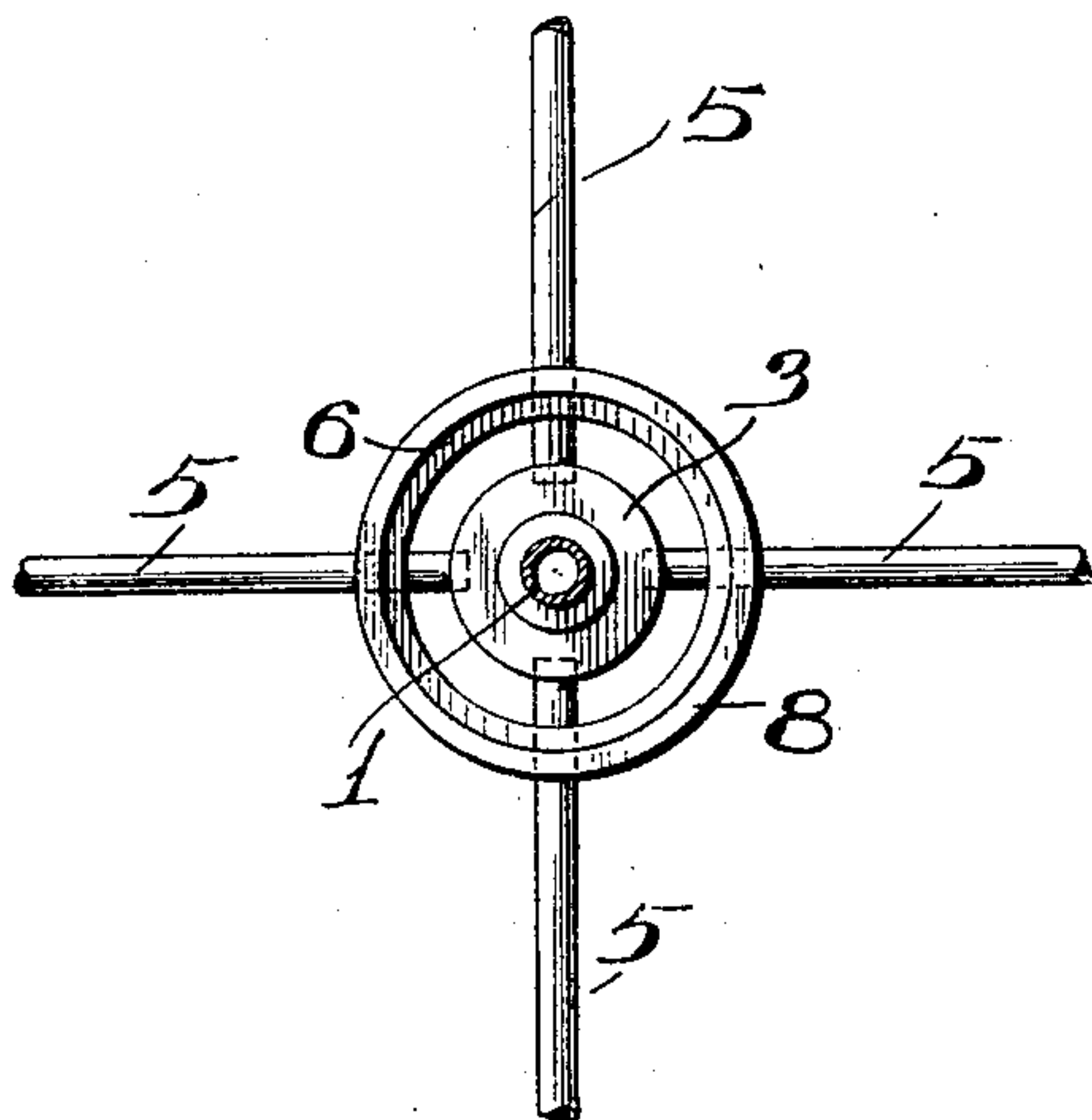
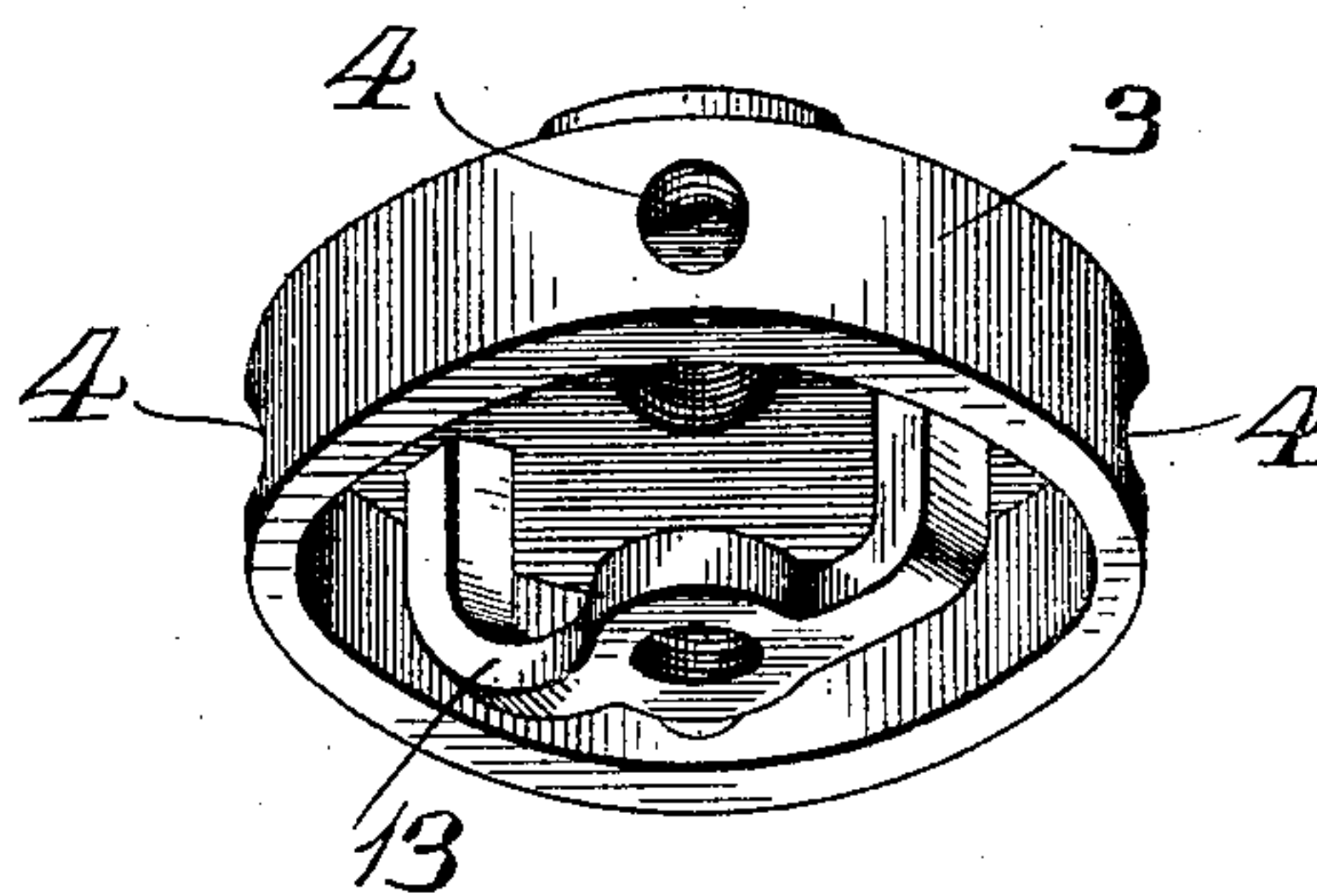


Fig. III.



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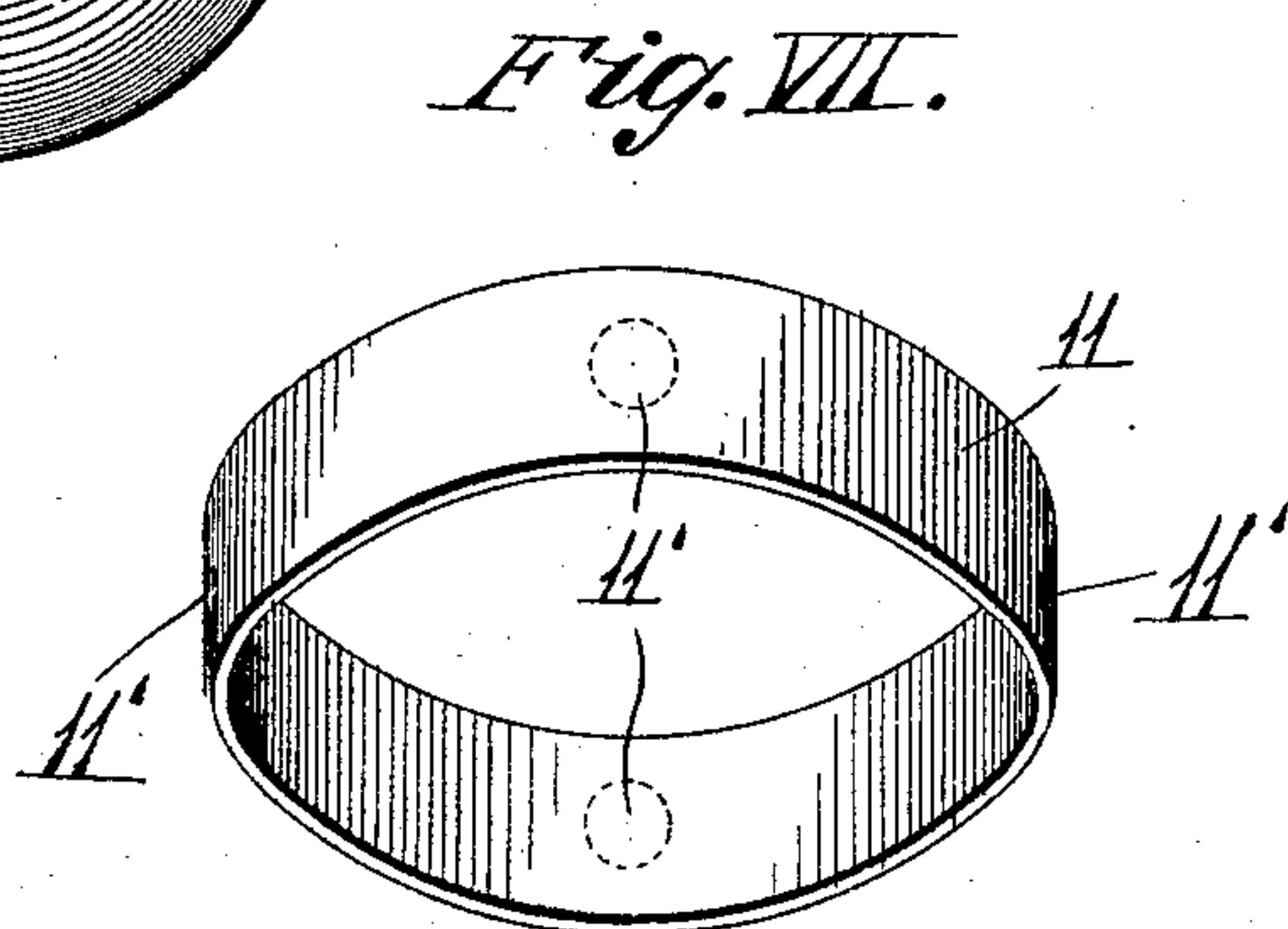
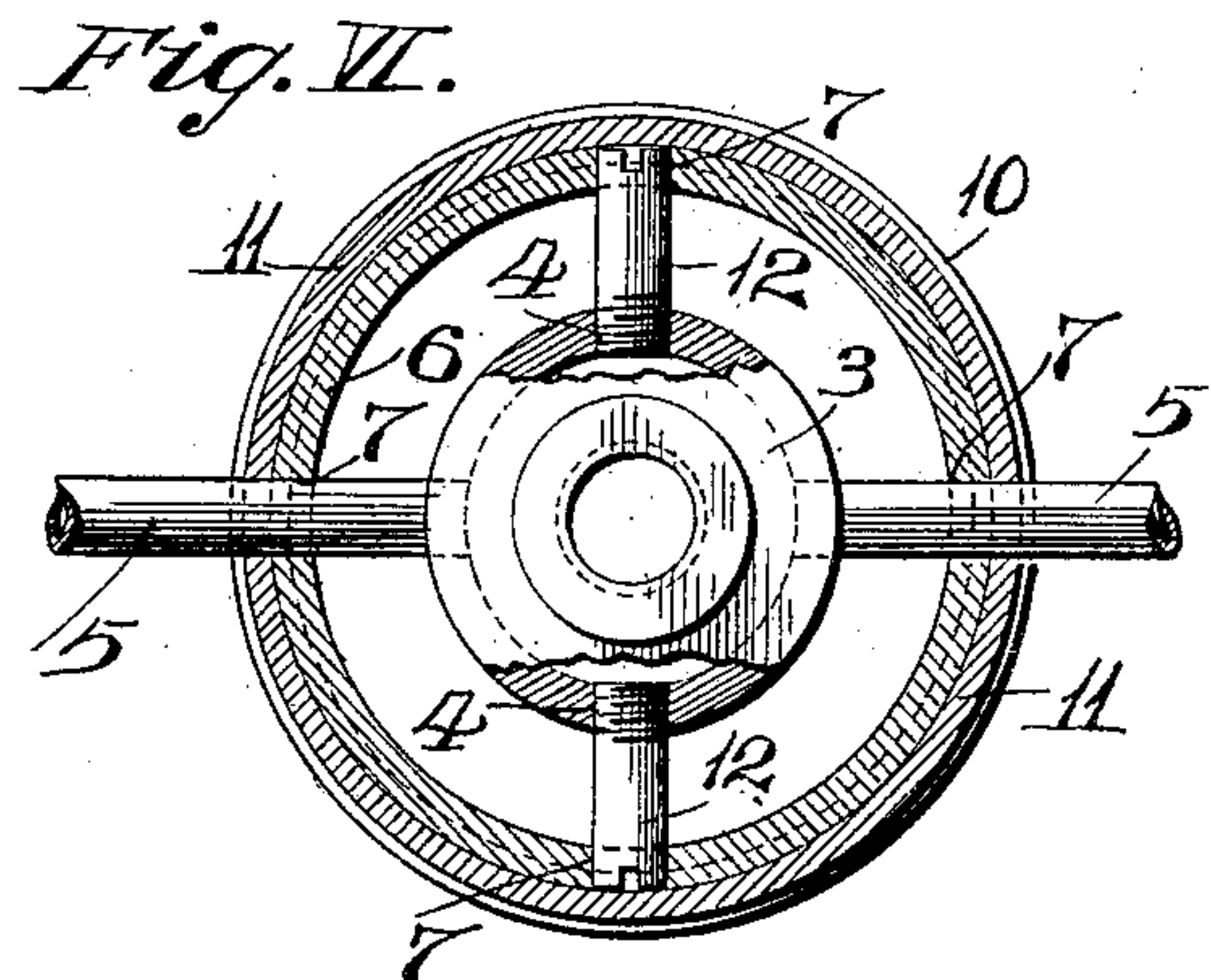
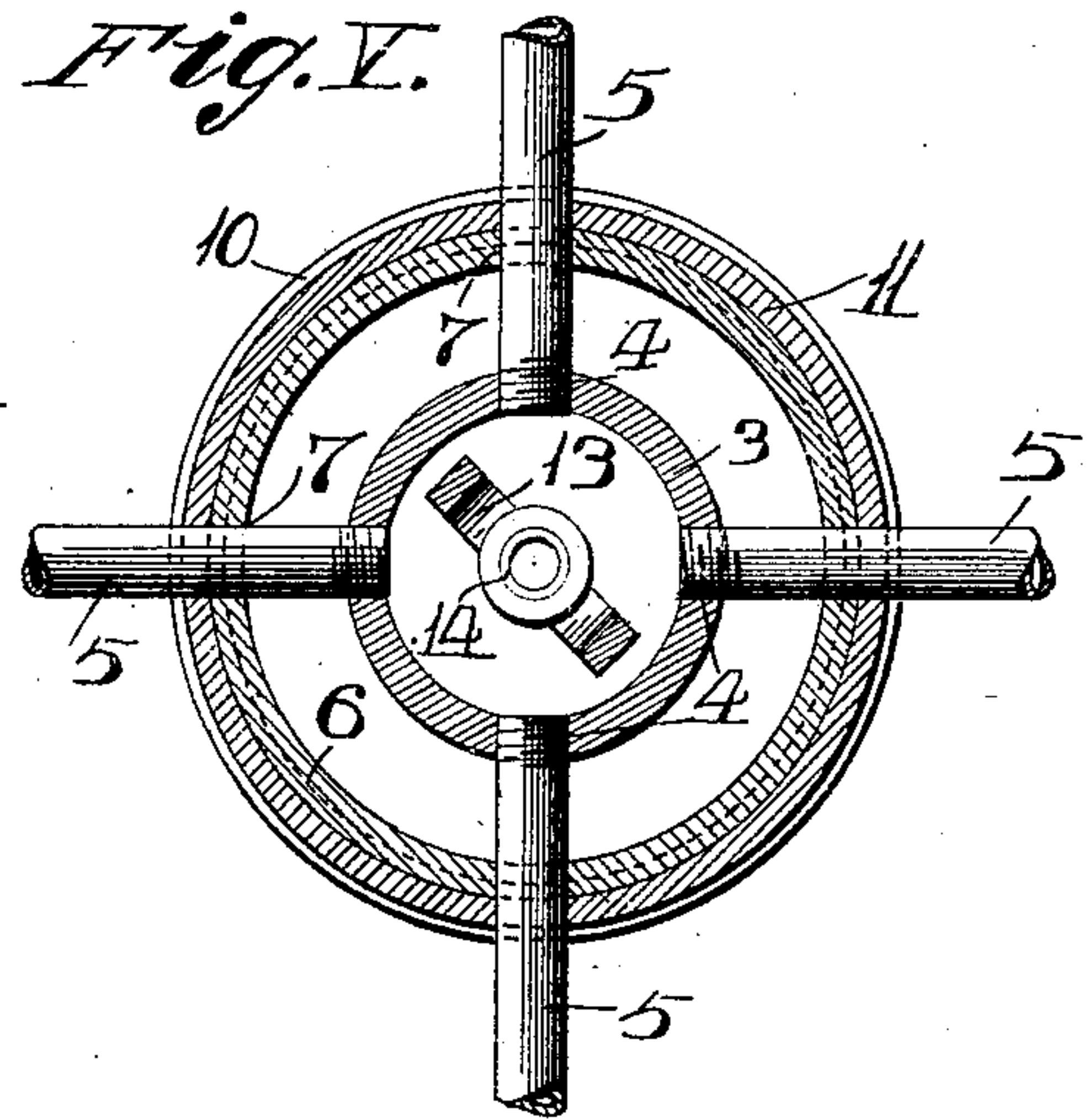
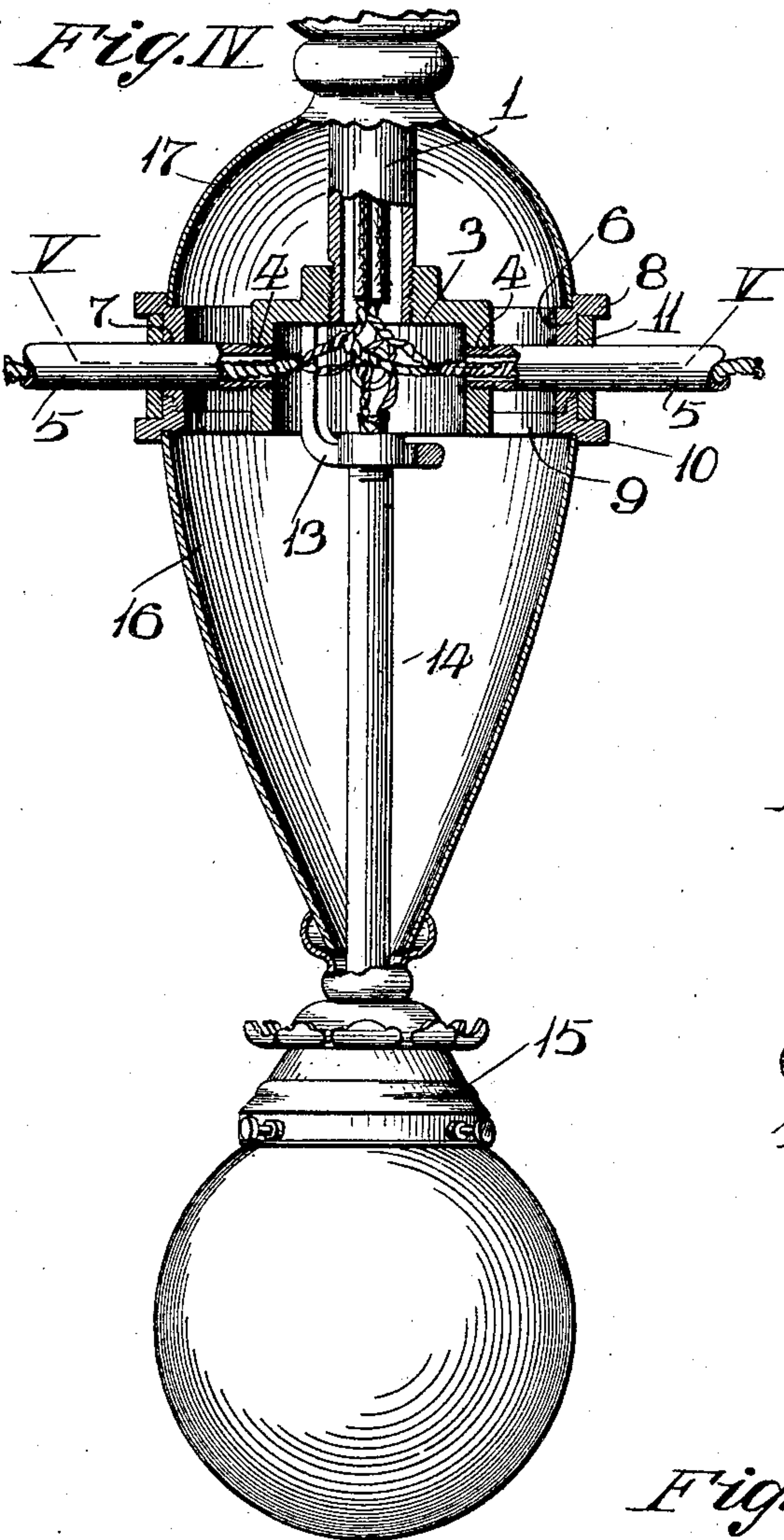
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

ARTHUR B. WILSON, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO GEORGE T. BREEN,
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LIGHT-FIXTURE.

No. 897,947.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed September 27, 1907. Serial No. 394,818.

To all whom it may concern:

Be it known that I, ARTHUR B. WILSON, a citizen of the United States of America, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Light-Fixtures, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a light fixture adapted to support a plurality of lamps in varying positions or arrangement and the invention has for its object to provide a construction whereby lamp supporting arms of a number less than the total that may be used in the fixture, may be held with the same efficiency as they would be held if a larger number of arms were employed, and it further has for its object the provision of means whereby the openings in the fixture provided for the reception of lamp supporting arms not in service may be entirely covered or hidden from view at the exterior of the fixture, thereby enhancing the appearance of the fixture over the appearance that would exist in the use of an exteriorly exposed part containing holes for the reception of the un-used lamp supporting arms, even though said holes were closed by removable plugs.

Figure I is in part an elevation and in part a vertical section of my fixture provided with two lamp supporting arms. Fig. II is a top or plan view of the body and brace ring of a fixture shown separated from the remainder of the fixture and having four lamps supporting arms fitted therein. Fig. III is a perspective view of the lamp supporting arm body of the fixture. Fig. IV is an enlarged vertical section taken through the lower portion of the fixture. Fig. V is a cross section taken on line V—V, Fig. IV. Fig. VI is a view similar to Fig. V in which two lamp supporting arms instead of the four arms shown in Fig. V, are illustrated. Fig. VII is a perspective view of the face band of the fixture.

1 designates the stem pipe of my fixture and 2 the casing surrounding said stem pipe.

3 is a body fitted to the lower end of the stem pipe and which is provided with a plurality of tap holes 4 adapted to receive the inner ends of lamp supporting arms 5. A sufficient number of the holes 4 are provided in the body to permit of the attachment to the body of any number of lamp supporting

arms there is a likelihood of any user of the fixture desiring to employ and lamp supporting arms may be fitted to the fixture to occupy all of the holes therein or any number of the holes less than the entire number. In Figs. I, IV and VI, I have shown two lamp supporting arms applied to the body, whereas, in Figs. II and V, four of such arms are shown connected to the body.

6 designates the main member of a brace ring which contains a number of smoothly bored holes 7 corresponding to the number of arm receiving holes in the body 3 and through which the lamp supporting arms are adapted to be passed to be connected to said body. The main member of the brace ring is provided with an outwardly extending flange 8 located at one end thereof, as seen in Figs. I and IV.

9 is a supplemental brace ring member which is provided with an outwardly extending flange 10 and is adapted to be fitted to the main brace ring member for which purpose the two members are channeled at their meeting ends to produce a matching joint, as seen in the drawings.

11 designates a face band that is fitted to the brace ring of the fixture so that it occupies a position around the bodies of the sections or members of said ring and is confined between the exterior flanges of said members. This face band is adapted to be bored at such points as will permit of the number of lamp supporting arms in use in the fixture being inserted therethrough to pass through the brace ring and be seated in the body 3, but being entirely independent from the other members just mentioned and having no other office to perform than that of a face band, is imperforate throughout its extent except at the points through which the lamp supporting arms are passed and it therefore serves to obscure from view at the exterior of the fixture any arm receiving holes in the brace ring and body which are unoccupied by lamp supporting arms.

In the fixture, as illustrated in Figs. II and V, the entire number of arm receiving holes in the body and brace ring are occupied by lamp supporting arms and therefore the face band is perforated to permit the passage of the arms through all of the holes that are illustrated in said members. In the arrangement shown in Figs. IV and VI, however, only two arms are employed and the face

band serves to obscure from view the holes that are unoccupied by lamp supporting arms.

Where two lamp supporting arms only are utilized in the fixture I employ brace screws 12, see Fig. VI, that occupy the holes in the body brace ring of the fixture from which lamp supporting arms are absent and which serve to brace the brace ring by connecting it to the body 3 but are readily removable if it is desired to introduce lamp supporting arms into the holes occupied by the screws.

The body 3 of the fixture is provided with a yoke 13 containing a tap hole adapted to receive a pendent stem 14 to which a bottom lamp holder 15 may be attached if desired or which, in the absence of a bottom lamp holder, has fitted to its lower end a binding nut 15'. Either the lamp holder or binding nut is designed to serve as a confining member for a lower shell 16 at the lower end of the fixture which rests against the bottom member of the brace ring.

17 is an upper shell that is incorporated into the fixture above the brace ring and rests upon the upper member of said ring.

The face band 11 may be made with holes therein corresponding to any particular number of lamp supporting arms that are to be used in the fixture in order that the arms may be passed therethrough but aside from the points at which the arms are passed through the face band it is left imperforate to obscure any holes that may exist in the parts back of it and which are not used.

In the manufacture of my light fixture, I originally produce in the face band 11 one or more holes to receive lamp supporting arms, the number of holes being much less than the capacity of the body 3 of the fixture. I further produce upon the face band index marks that show the points at which the face band may be properly perforated according to the lamp arm receiving holes in the body 3 that are complementary to the points at which the index marks are located. By thus producing the face band I provide for the application of lamp supporting arms in the fixture as it is originally manufactured and further provide for the accurate spacing of holes in the face band when arms are to be subsequently mounted in the fixture of a greater number than that for which the fixture was originally completely prepared. It will therefore be seen that all that is necessary for a person putting the fixture into use to do in order that the fixture may have incorporated therein a greater number of lamp supporting arms than it was originally prepared for is to make perforations for the additional arms at the locations of the index marks upon the face band. The index marks referred to may be and preferably are produced by weakening the band at the proper points by scoring it as indicated in dotted lines, at 11',

Fig. VII, to produce portions in the band that may be readily dislodged therefrom to provide the holes in the band through which the lamp supporting arms may be passed. The merit in providing the index marks upon the face band is a pronounced one inasmuch as the spacing of the points at which the perforations are to be produced in the face band requires mathematical calculation to provide for the registration of the holes in the face band with the holes in the body 3 of the fixture and when the index marks are present upon the band, the person preparing the fixture for the reception of a greater number of lamp supporting arms than it was originally manufactured for, is relieved of the task of properly distributing the perforations in the face band through which the additional lamp supporting arms are to be inserted.

I claim:

1. In a light fixture, the combination with a hollow stem, of a hollow body secured to said stem and provided with a plurality of holes adapted to receive hollow lamp supporting arms, a flanged brace ring surrounding said body and provided with arm receiving holes complementary to those of said body, and a face band surrounding said flanged brace ring and provided with a less number of holes than the body, to receive a less number of lamp supporting arms than said body is susceptible of receiving.

2. In a light fixture, the combination, with a hollow stem; of a hollow body secured to said stem and provided with a plurality of holes adapted to receive hollow lamp supporting arms, a sectional brace ring having flanges and surrounding said body and provided with arm receiving holes complementary to those of said body, and a face band surrounding said brace ring between the flanges thereof and containing a less number of holes than the number of holes in said body or brace ring.

3. In a light fixture, the combination of a hollow stem, a hollow body secured to said hollow stem, and provided with a plurality of holes to receive lamp supporting arms, a face band surrounding said body and provided with a less number of holes for the reception of lamp supporting arms than the number of holes in said body, and hollow lamp supporting arms extending through the holes in said face band and seated in holes in said body; said face band being provided with index marks indicating the points at which additional holes may be produced therein to be complementary to holes in said body, substantially as set forth.

ARTHUR B. WILSON.

In presence of—

BLANCHE HOGAN,
LILY ROST.