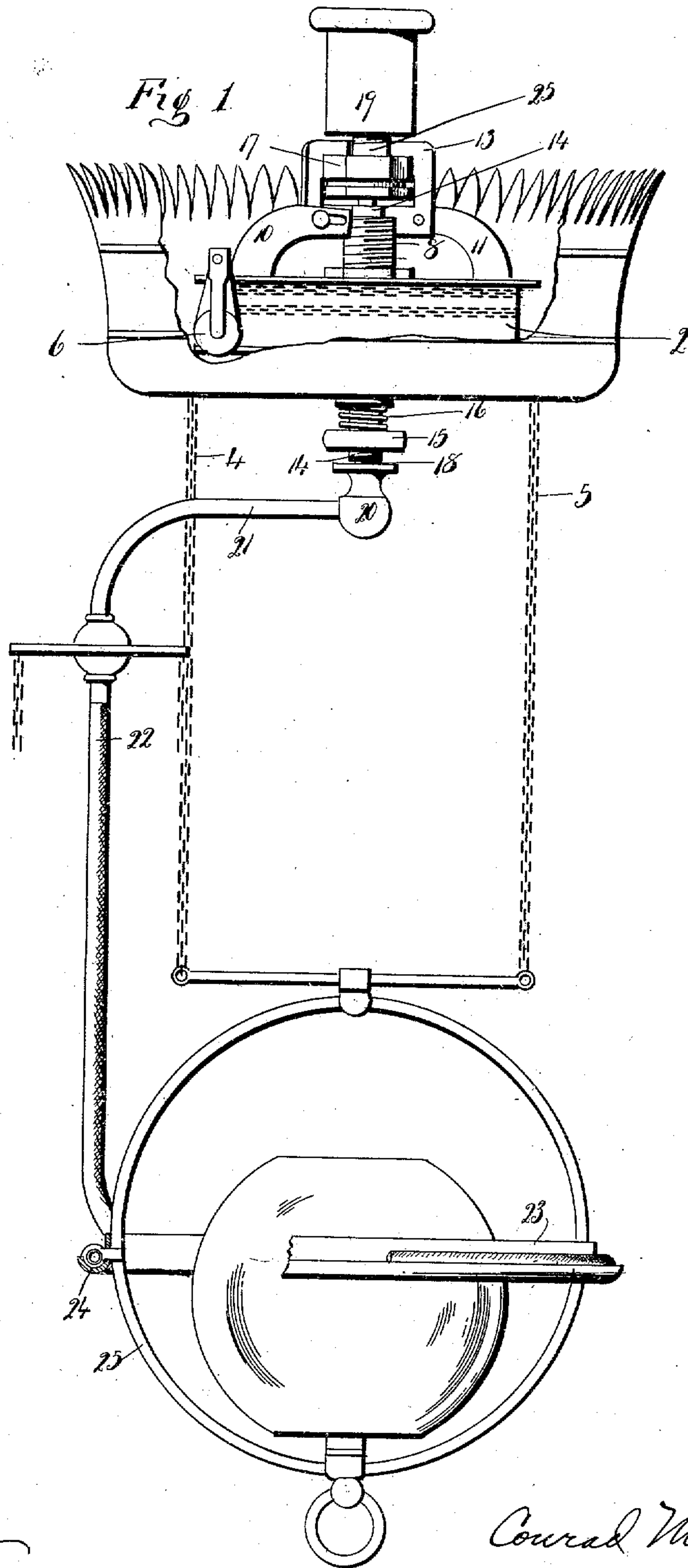


C. M. PITEL.
EXTENSION LIGHT FIXTURE.
APPLICATION FILED JUNE 14, 1909.

956,823.

Patented May 3, 1910.

2 SHEETS—SHEET 1.



Witnesses
C. J. Reed.
C. L. Weed.

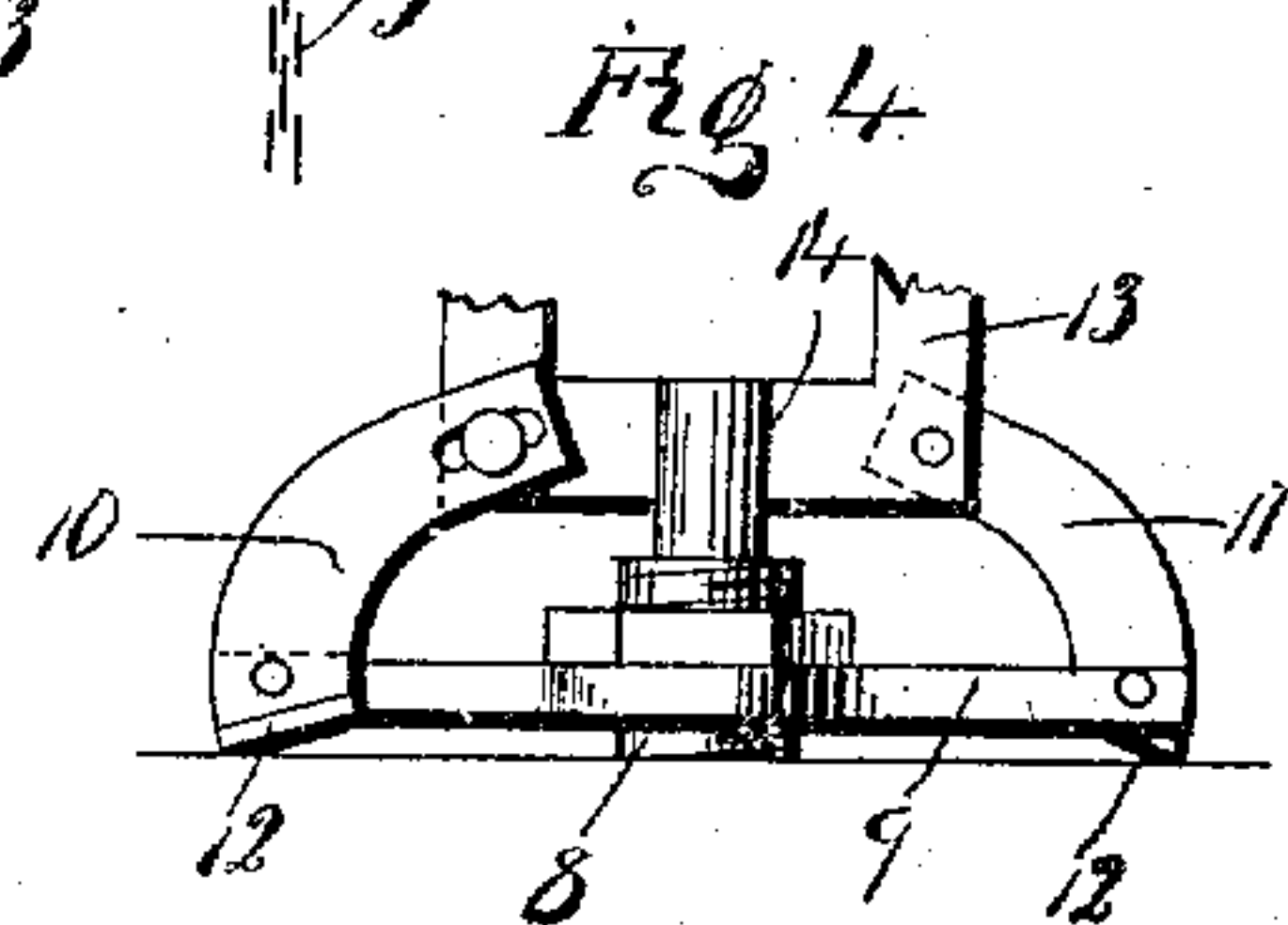
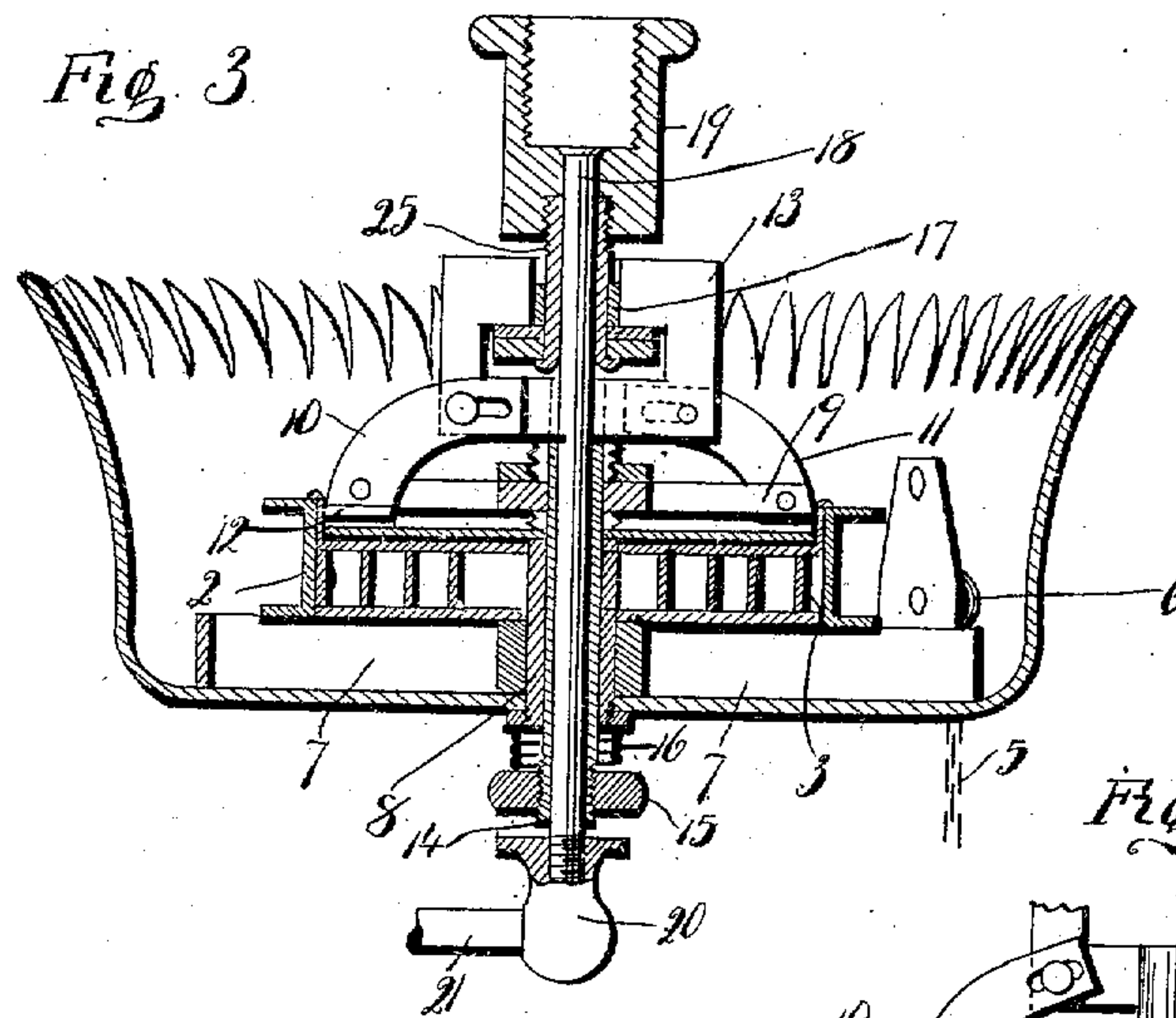
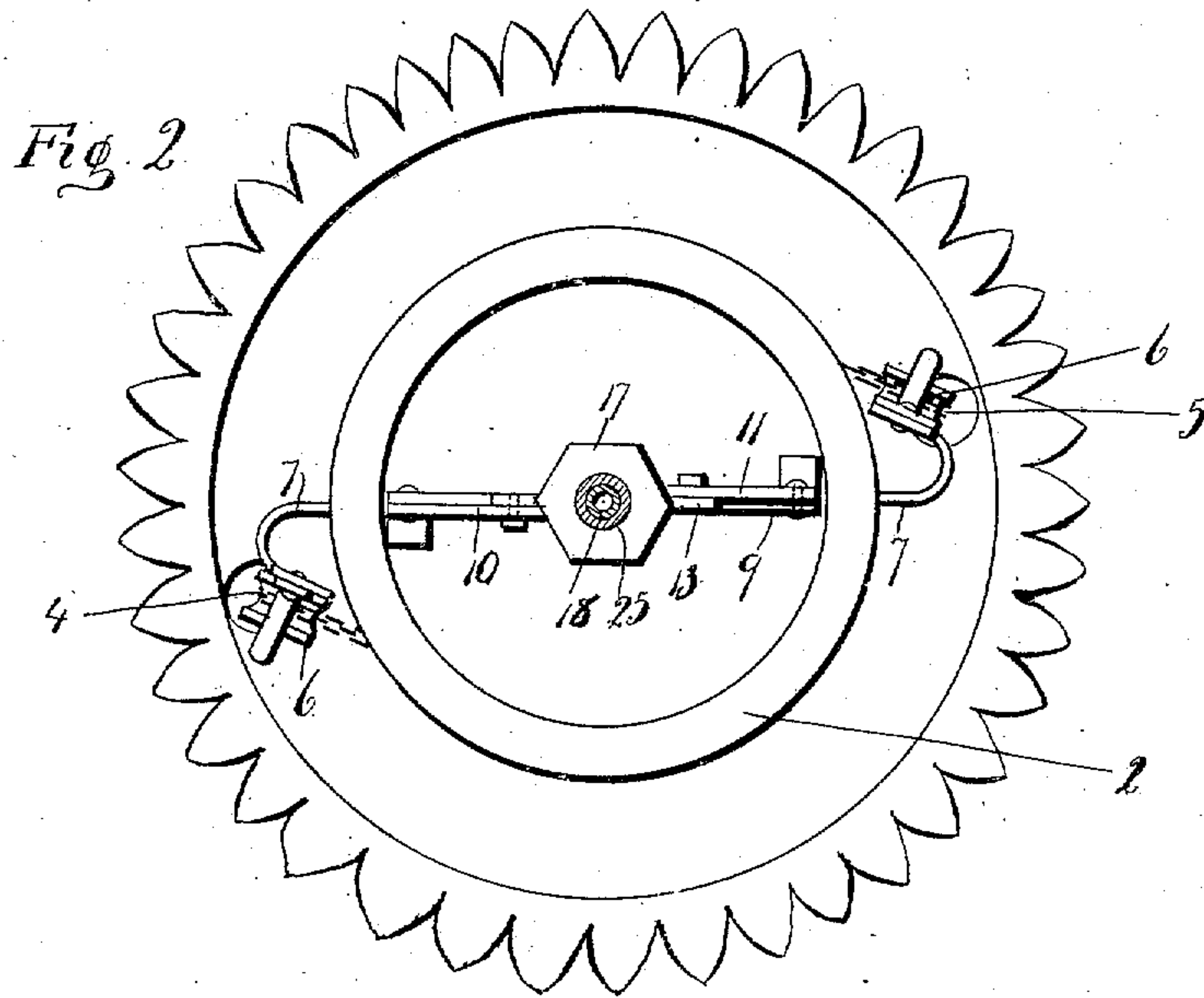
Conrad M. Pitel
Inventor
by *Symon T. Carey*
Att'y

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Conrad M. Pitel *Inventor*
by Seymour T. Carr *Att'y*

UNITED STATES PATENT OFFICE.

CONRAD M. PITEL, OF MERIDEN, CONNECTICUT.

EXTENSION LIGHT-FIXTURE.

956,823.

Specification of Letters Patent.

Patented May 3, 1910.

Application filed June 14, 1909. Serial No. 502,070.

To all whom it may concern:

Be it known that I, CONRAD M. PITEL, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Extension Light-Fixtures; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view of a suspension lamp constructed in accordance with my invention, a portion of the canopy shell broken away. Fig. 2 a top or plan view of the suspension device. Fig. 3 a transverse sectional view of the same. Fig. 4 a broken side view showing the brake levers and the parts to which they are connected, detached.

This invention relates to an improvement in extension light fixtures, and particularly to such as comprise a spring suspension device by which the lamp burner is supported so that the lower or burner portion may be raised or lowered as desired, the device being applicable for use in chandeliers for oil lamps, gas or electricity. In the more general construction of suspension devices for lamps, the tension of the spring is adjusted from above, and in the use of suspension fixtures for gas or electric lights, it is necessary to have arm from the nipple through which the gas or electric wires enter, at a point above the suspension device.

The object of this invention is to provide a suspension device in which the tension may be adjusted from below, and a device through which a gas pipe or electric conductors may extend, and also to provide a support for the flexible conductor either for gas or electricity at a point above the burner; and the invention consists in the construction hereinafter described and particularly recited in the claims.

The suspension device proper, as in the usual construction of suspension fixtures, comprises a spring drum 2 containing a spring 3 and adapted to rotate so as to wind the lifting chains 4, 5, upon the drum, these chains passing over pulleys 6 which are preferably mounted at the ends of arms 7 rigidly connected with a central tube or shaft 8 on which the drum is mounted. Set over the upper end of the central shaft 8

is a yoke 9 held by the tube against rotation. To the opposite ends of this yoke levers 10 and 11 are pivoted, the levers being provided at their lower ends with brake-shoes 12. These levers are slotted at their upper ends for sliding engagement with a frame-like head 13 secured to the upper end of an adjusting tube 14 which passes down through the central shaft 8 and is threaded at its outer end to receive an adjusting nut 15 and compress, to a greater or less extent, a spiral spring 16 located between the nut 15 and the bottom of the shell. The frame 13 is provided with a collar 17 which is swiveled on a short sleeve 25 attached to an ordinary nipple 19. A pipe 18 opening through the nipple extends down through the sleeve 25 and tube 14 and is provided at its lower end with an elbow 20 carrying an arm 21 which projects to one side, and to which the flexible gas pipe 22 or electric conductor may be coupled. In gas or electric chandeliers it is desirable to support the flexible conductor when the chandelier is raised.

In Patent No. 918,904 granted to me April 20, 1909, I provided the shade ring with hooks to support the conductor; but instead of supporting it on the shade ring, I may form the harp-band 23 with an annular channel 24 in which the flexible conductor may rest, this band having connections in the form of a harp 25 or other device with the burner. The weight of the fixture on the suspension device will tend to raise the frame 13 and throw the shoes 12 against the top of the drum, and so as to retard the movement of that drum. The tension of the shoes on the drum may be regulated by means of the spring 16 which may be placed under more or less tension by the nut 15. In an oil chandelier the device will operate in the usual manner of such fixtures and permit the burners to be raised or lowered, and the same is true with gas or electric chandeliers, the gas or electric wires may be passed through the suspension fixture and be taken off below the same and so that the suspension device itself may be arranged in close relation to the nipple, and hence to the ceiling. When the fixture is raised it may be turned so that the flexible conductor will be wound about the chandelier, and be supported in the annular channel 24.

I claim:—

1. A suspension device comprising a

spring drum, a vertical tubular shaft upon which it is mounted, a yoke above said drum and also fixed to said shaft, a tube which extends through said shaft, levers pivoted to opposite ends of said yoke and formed at their lower ends with shoes adapted to bear upon the top of said drum, a frame mounted at the upper end of said tube, said levers having slotted connection with said frame, and an adjusting nut at the bottom of said tube, whereby the frame may be raised or lowered with respect to the drum to increase or diminish the friction upon the drum.

2. A suspension device comprising a spring drum, a vertical tubular shaft upon which it is mounted, a yoke above said drum and also fixed to said shaft, levers pivoted to opposite ends of said yoke and formed at their lower ends with shoes adapted to bear upon the top of said drum, a tube which extends through said shaft, a frame mounted at the upper end of said tube, said levers having slotted connection with said frame, an adjusting nut at the bottom of said tube, and a spring between said nut and shaft.

3. A suspension device comprising a spring drum, a vertical tubular shaft upon which it is mounted, a yoke above said drum and also fixed to said shaft, levers pivoted to opposite ends of said yoke and formed at their lower ends with shoes adapted to bear upon the top of said drum, a tube which extends through said shaft, a frame mounted at the upper end of said tube, said levers

having slotted connection with said frame, a nipple swiveled to said frame, and a conductor pipe extending from said nipple down through said tube, and a conducting arm from the lower end of said pipe out to one side beyond the extension device to a burner.

4. A suspension device comprising a spring drum, a vertical tubular shaft upon which it is mounted, a yoke above said drum and also fixed to said shaft, levers pivoted to opposite ends of said yoke and formed at their lower ends with shoes adapted to bear upon the top of said drum, a tube which extends through said shaft, a frame mounted at the upper end of said tube, said levers having slotted connection with said frame, a nipple swiveled to said frame, a conductor pipe extending from said nipple down through said tube, an arm connected to said tube extending to one side and beyond the extension device, a harp-band suspended from said drum, a burner below said band, said band formed with an annular groove, and flexible connections from said conductor pipe to the band.

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

CONRAD M. PITEL.

Witnesses:

FREDERIC C. EARLE,
CLARA L. WEED.