

No. 756,479.

PATENTED APR. 5, 1904.

J. R. DROZESKI.

CEILING PLATE.

APPLICATION FILED AUG. 4, 1903.

NO MODEL.

Fig. 1.

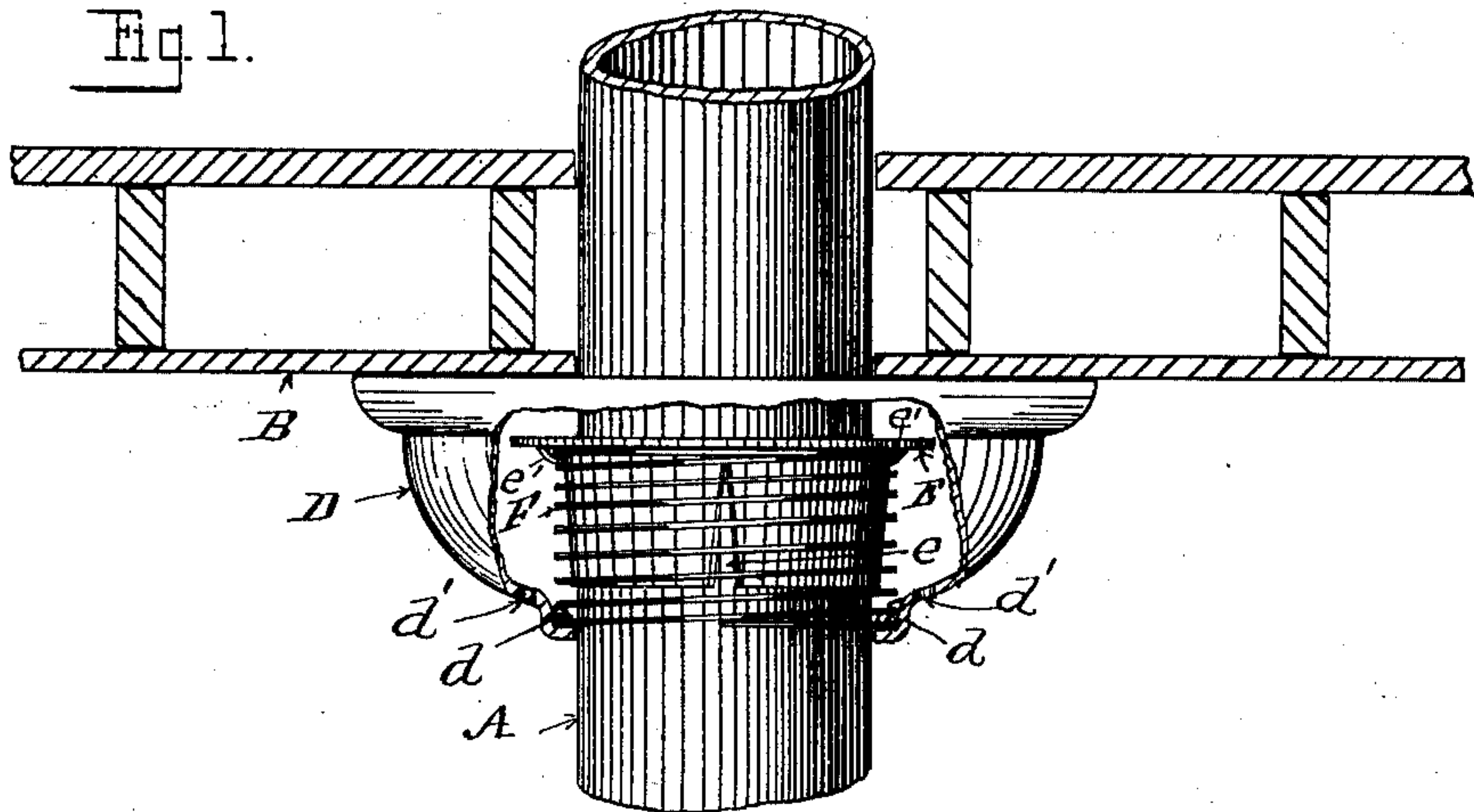


Fig. 2.

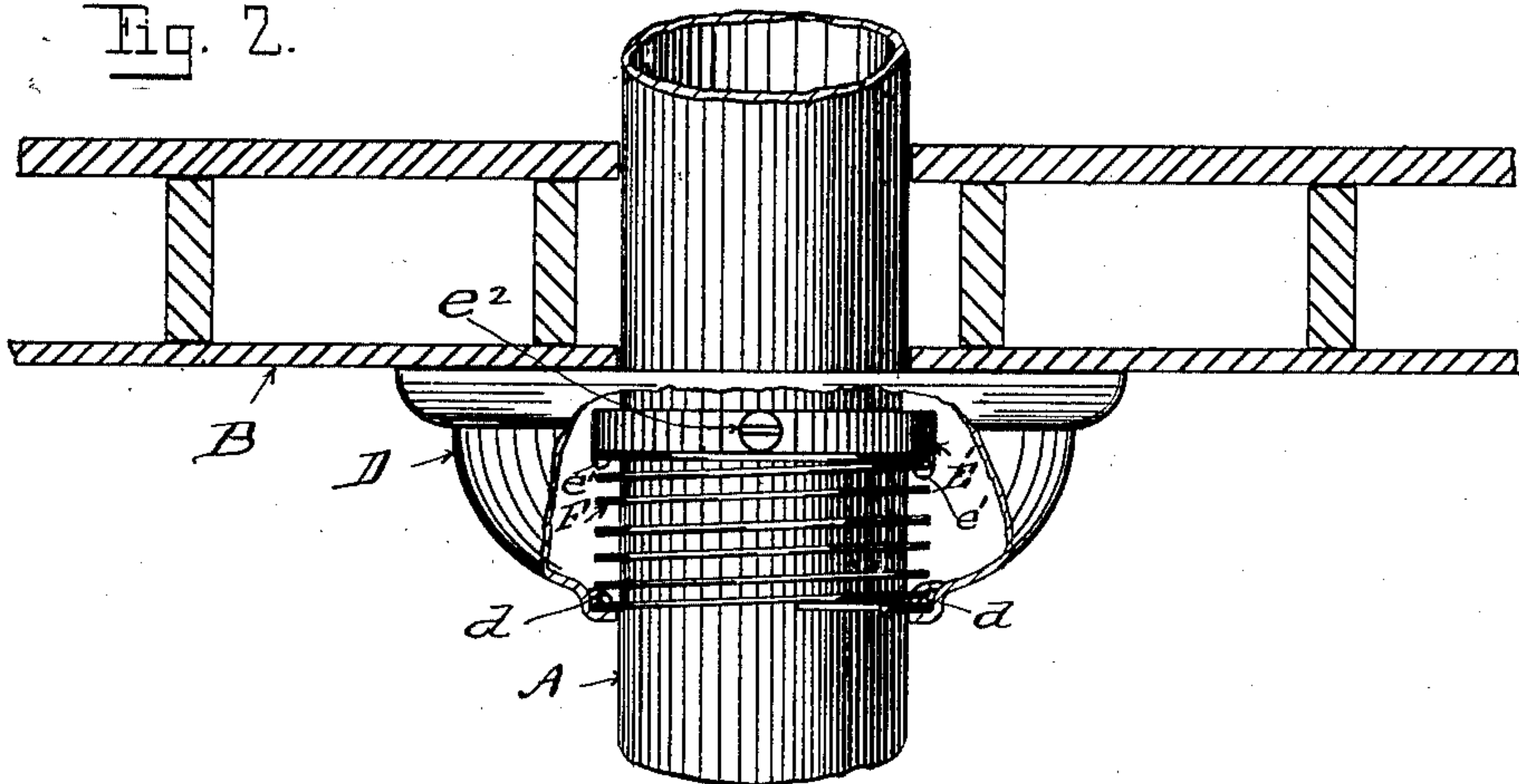
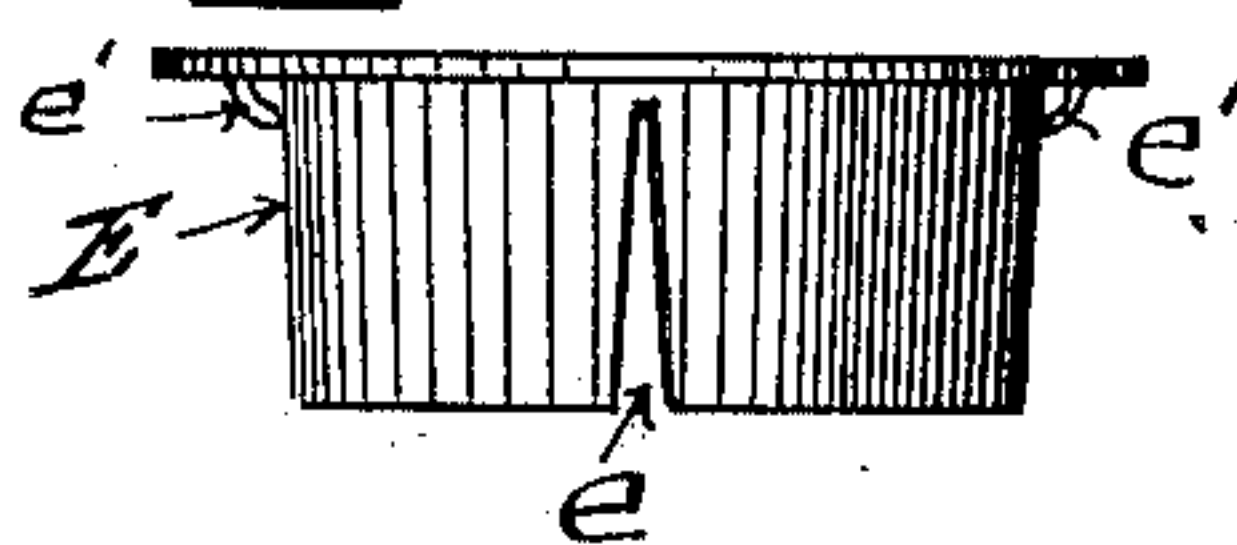


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

JULIUS R. DROZESKI, OF ERIE, PENNSYLVANIA.

CEILING-PLATE.

SPECIFICATION forming part of Letters Patent No. 756,479, dated April 5, 1904.

Application filed August 4, 1903. Serial No. 168,182. (No model.)

To all whom it may concern:

Be it known that I, JULIUS R. DROZESKI, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Ceiling-Plates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

My invention relates to improvements in ceiling-plates, and has for its object the construction of a ceiling-plate which is secured to the pipe so as to yield to the expansion and contraction of the pipe without being moved away from the ceiling. I accomplish this end by providing spring mechanism between the plate and the device for securing it to the pipe, so that when the upper end of the spring mechanism is secured to the pipe the ceiling-plate will be suspended on the spring, so that it is constantly forced against the ceiling thereby.

This invention is hereinafter set forth and described, and illustrated in the accompanying drawings, in which—

Figure 1 is a view, partly in elevation and partly in section, of my improved ceiling-plate in place on a pipe against the ceiling. Fig. 2 is a like view of a modified construction of the same. Fig. 3 is a side view in elevation of the clamping-collar in Fig. 1 for securing the upper end of the spring to the pipe.

In the drawings illustrating my invention, A is a pipe passing up through a ceiling B in the usual manner.

D is a ceiling-plate, preferably made of spun metal, and E, Figs. 1 and 3, a clamping-collar of spring metal, the lower end of which is provided with slits *e*, so that it can be compressed so as to securely clamp the pipe A. This collar E is also provided near its upper end with ears *e'* to receive the upper end of a retracting-spring F, and the inside of the lower end of the ceiling-plate D is provided with ears *d*, adapted to receive the lower end of

the retracting-spring F, so that as the collar E is moved upward on the pipe A until the plate D contacts firmly against the under surface of the ceiling B the spring F is at considerable tension, so as to at all times retain the plate in close contact with the ceiling. In the lower part of the plate D (shown in Fig. 1) I make small openings *d'*, through which wires can be inserted to move the clamping-collar E upward on the pipe A.

In Fig. 2 I show a modified construction of the clamping-collar E', adapted to be secured by a screw *e''* to the pipe A, and in adjusting the plate upon the pipe A the plate D is moved downward a short distance from the ceiling and the collar E' moved upward on the pipe, so as to stretch the spring F, and the screw *e''* then tightened against the pipe, and the plate being then released the spring forces it up firmly against the ceiling. In other respects the mechanism shown in Fig. 2 is substantially the same as that shown in Fig. 1.

In the drawings I have shown a spring F encircling the pipe A. I can, however, use any convenient form of spring between the clamping-collar and the ceiling-plate with equal facility, as the form shown. Therefore I do not desire to limit myself to the particular form of spring or of clamping-collar herein shown and described.

Having thus described my invention, so as to enable others to construct and use the same, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The combination of a ceiling-plate having in its central portion a cup-shaped recess, a collar adapted to be secured to a pipe within the upper portion of said recess, and a retracting-spring inclosed within said recess, connecting the lower part of the plate with the collar in the upper part thereof, substantially as and for the purpose set forth.

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

JULIUS R. DROZESKI.

Witnesses:

H. M. STURGEON,
F. J. BASSETT