

(No Model.)

E. K. ROLLINS.

CEILING COLLAR FOR GAS, STEAM, AND OTHER PIPES.

No. 353,505.

Patented Nov. 30, 1886.

Fig1.

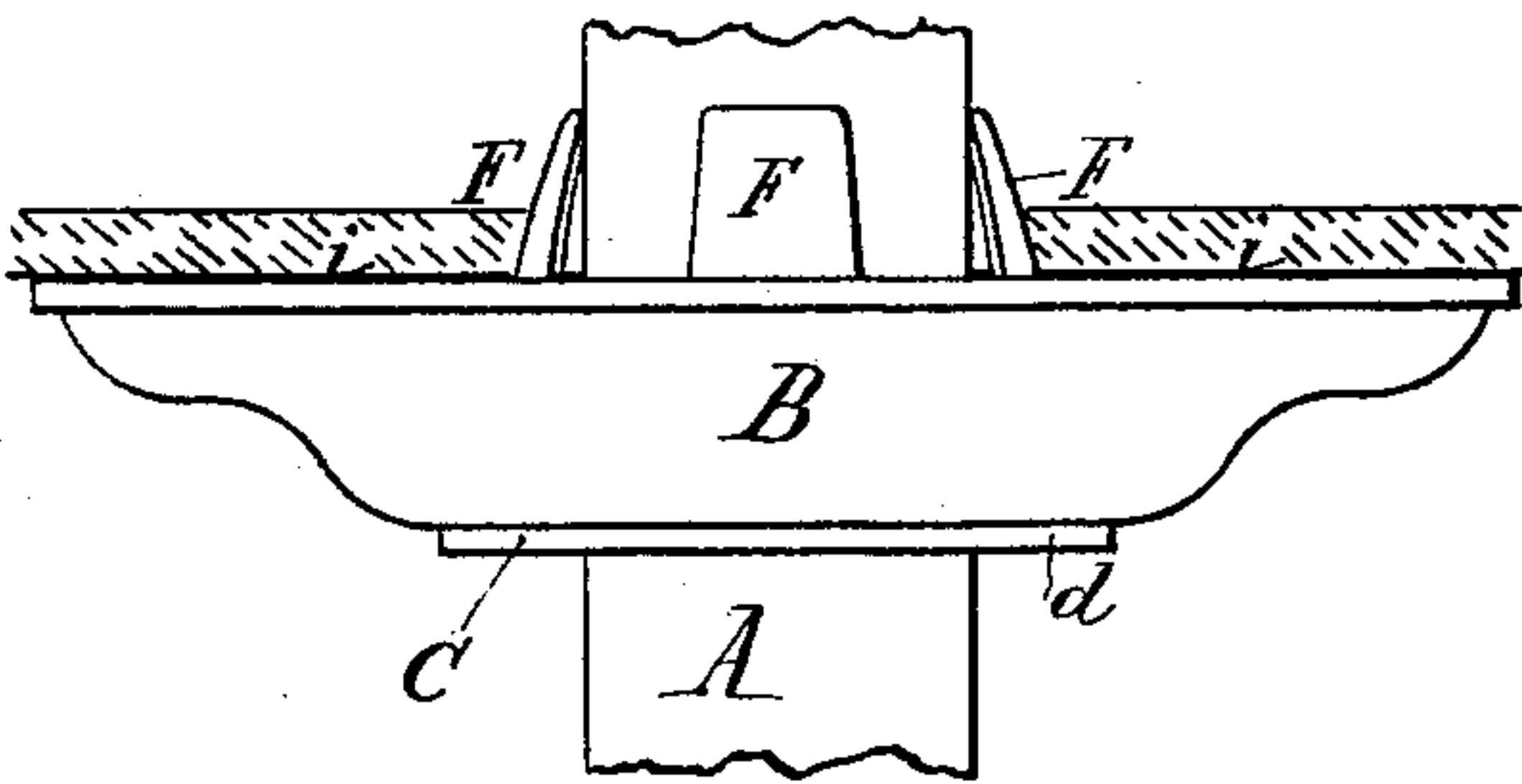


Fig2.

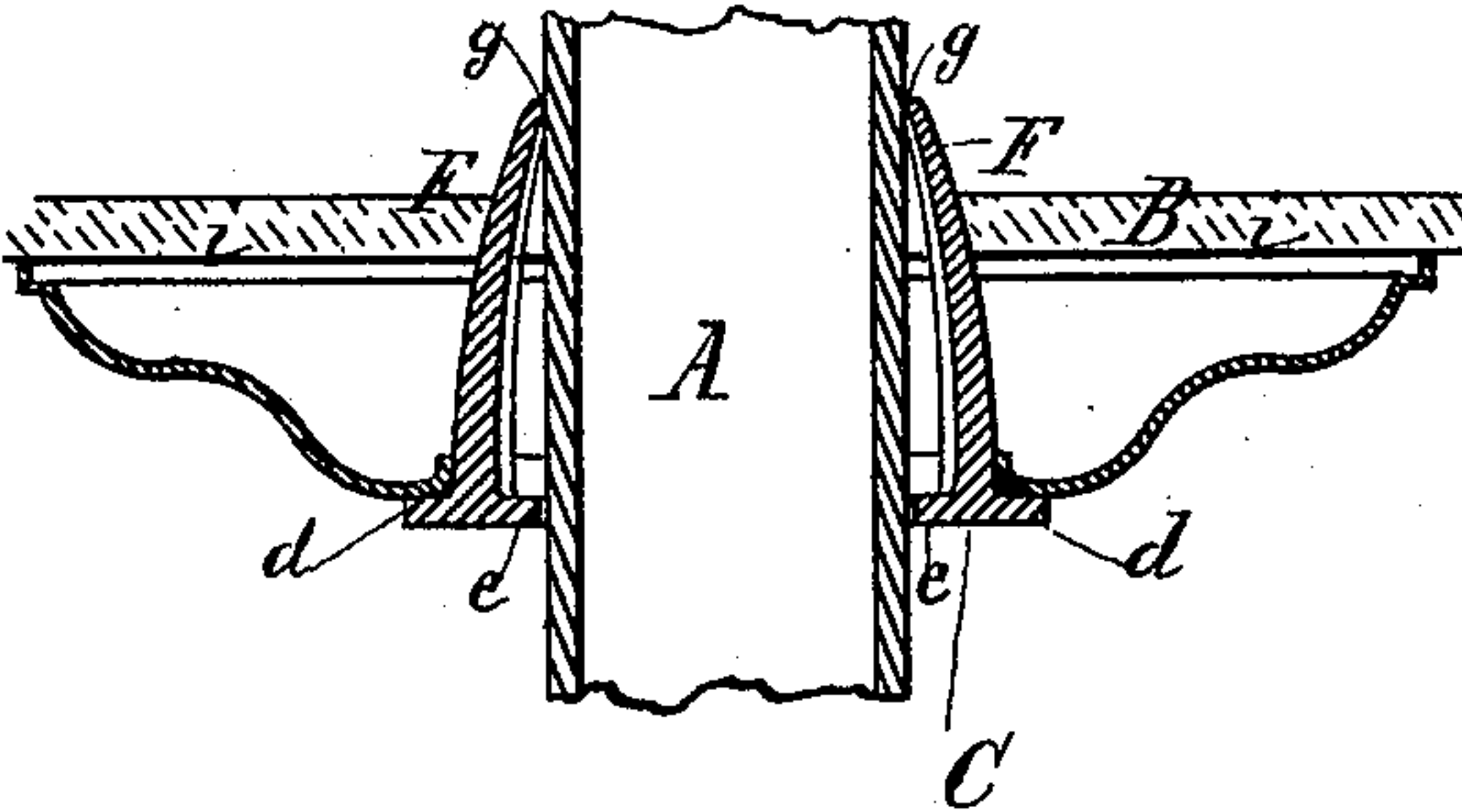


Fig3.

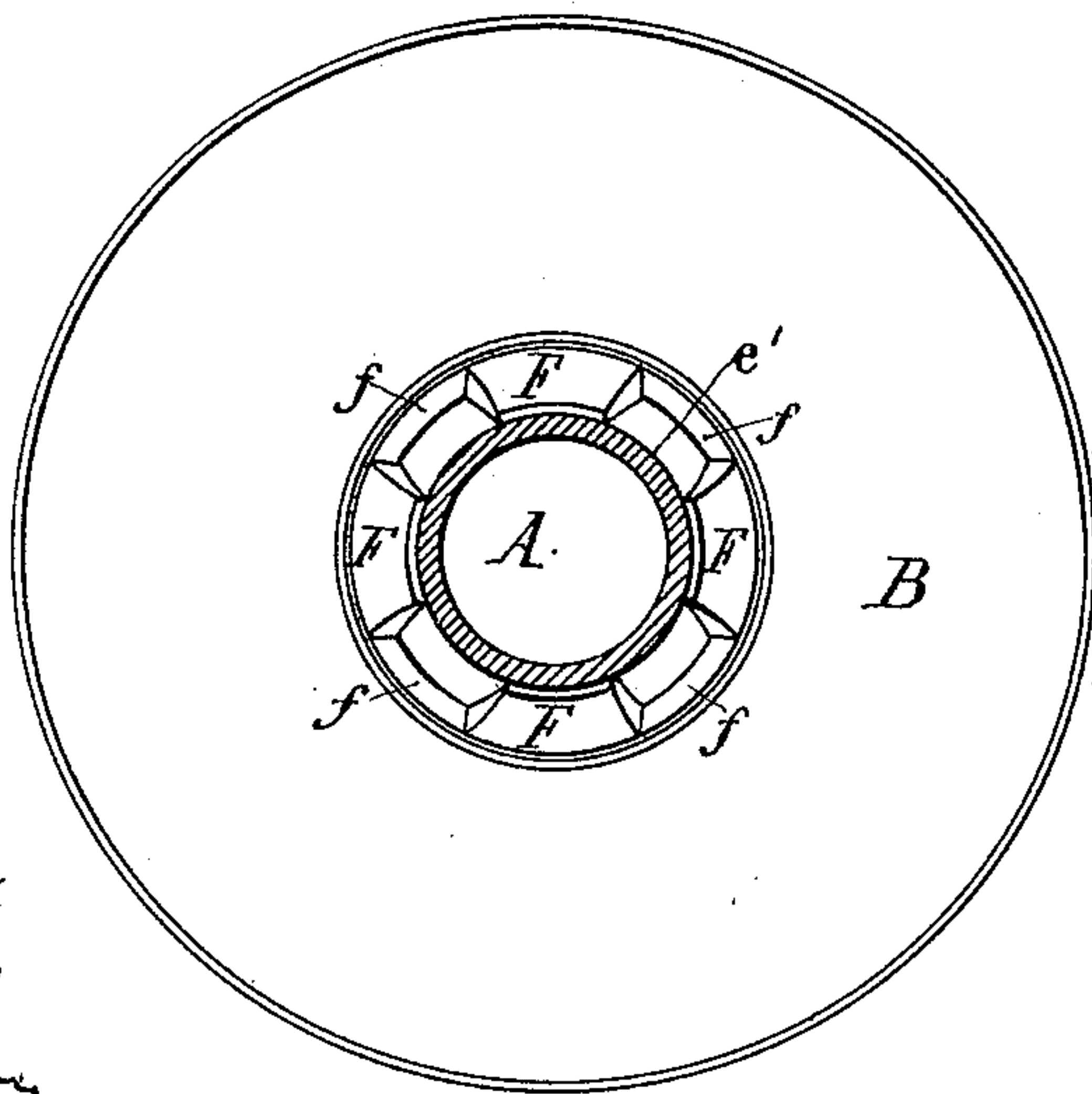


Fig6.

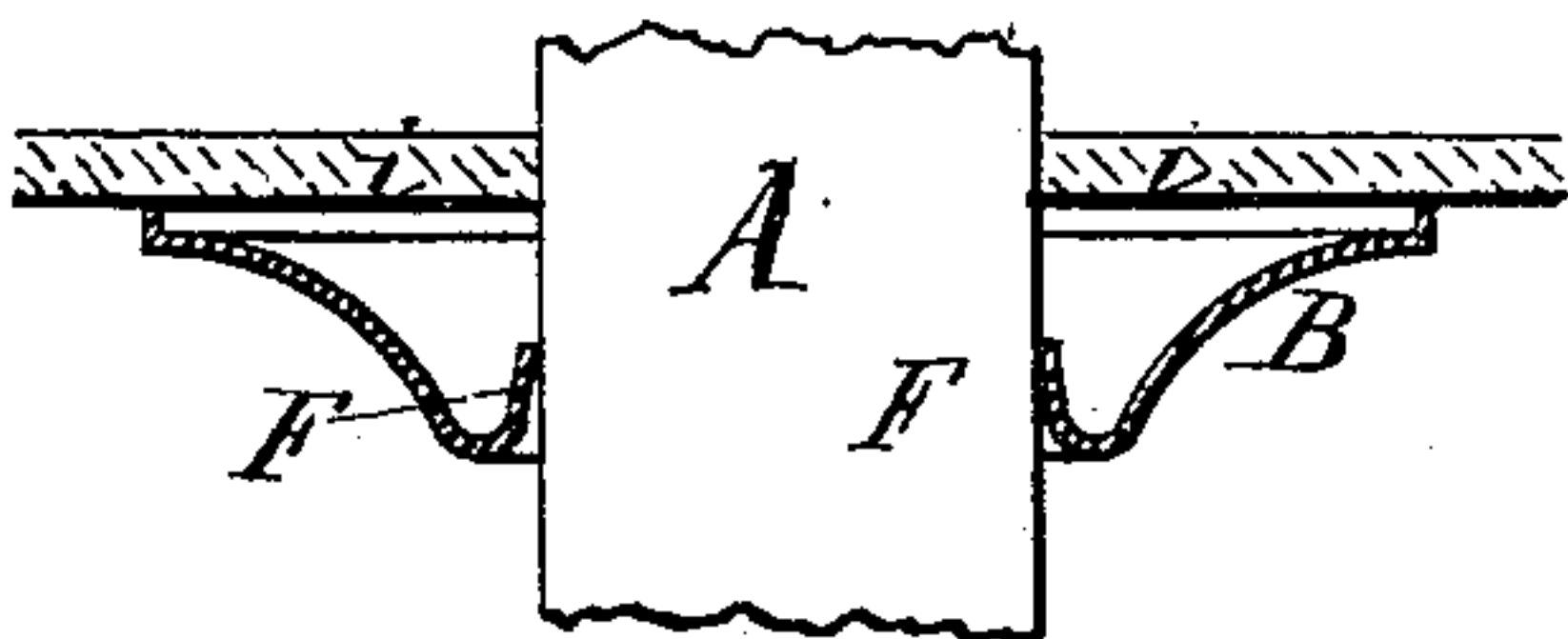


Fig5.

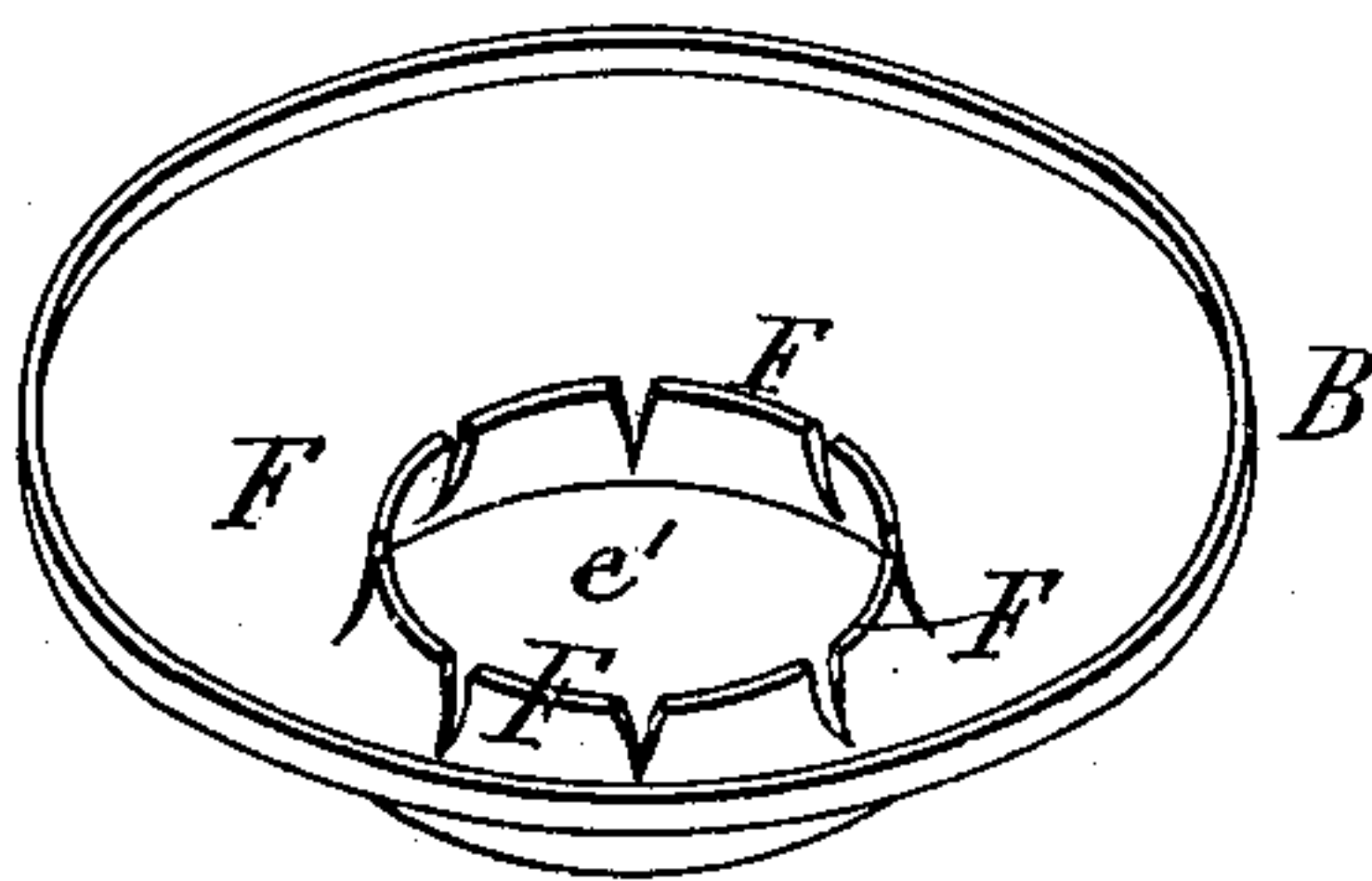
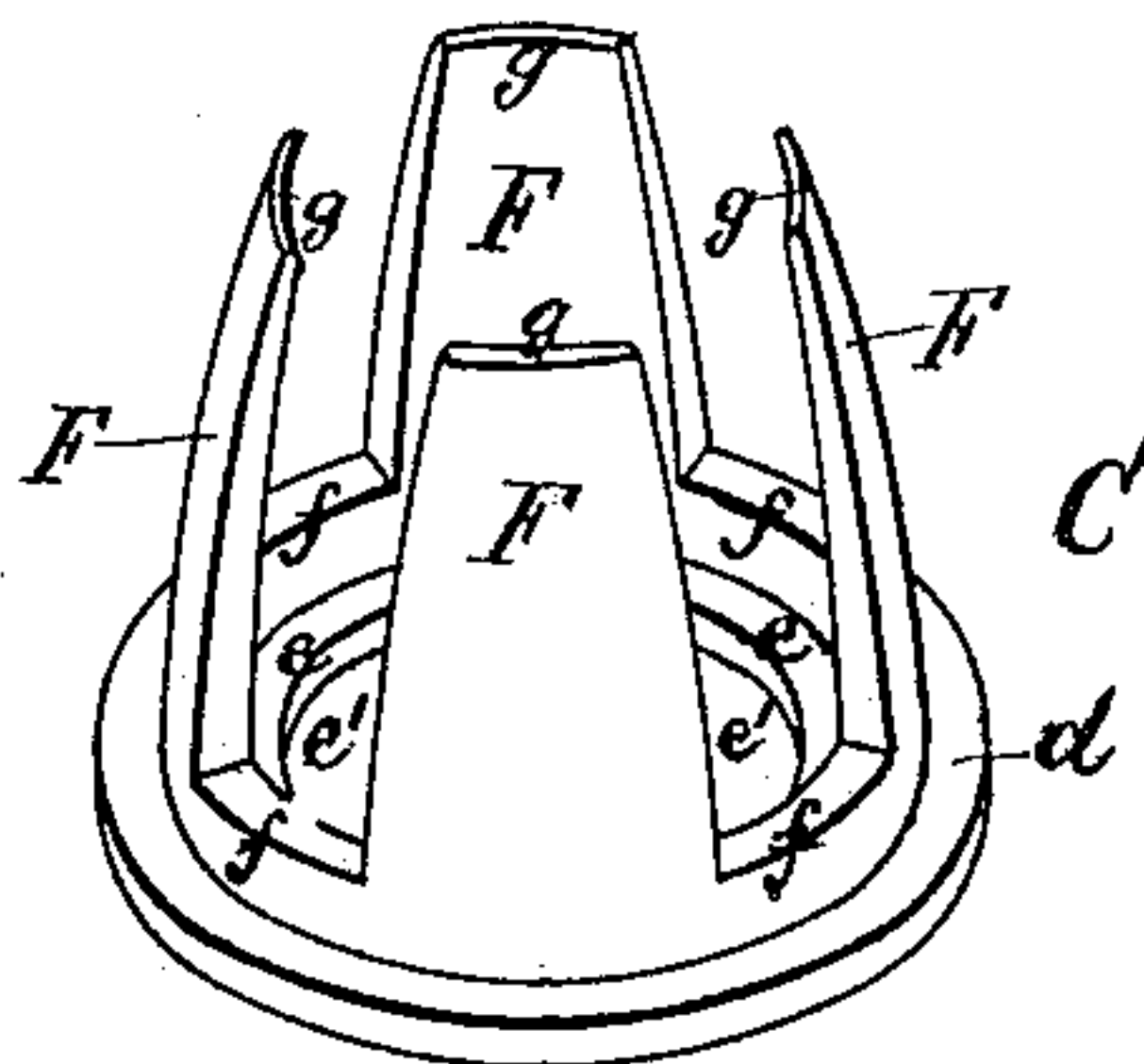


Fig4.



Witnesses:

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UNITED STATES PATENT OFFICE.

EDWARD K. ROLLINS, OF SCRANTON, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO ALEXANDER E. HUNT, OF SAME PLACE.

CEILING-COLLAR FOR GAS, STEAM, AND OTHER PIPES.

SPECIFICATION forming part of Letters Patent No. 353,505, dated November 30, 1886.

Application filed April 12, 1886. Serial No. 198,564. (No model.)

To all whom it may concern:

Be it known that I, EDWARD K. ROLLINS, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in Ceiling Collars for Gas, Steam, and other Pipes; 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.

In the accompanying drawings illustrating my invention, Figure 1 is a side elevation of my invention applied to a pipe; Fig. 2, a vertical central section of Fig. 1, and Fig. 3 a plan view of Fig. 1. Fig. 4 is a detached perspective view of the spring-clasp or holding portion of Figs. 1, 2, and 3. Fig. 5 is a perspective view of a modification of my invention wherein the spring-clasp or holding portion is integral with that portion thereof which constitutes the ceiling-collar, and Fig. 6 is a vertical central section of the spring-clasp in Fig. 5 applied to a pipe.

The wall or ceiling collars now commonly used may be described as consisting of a short metallic pipe between the ends of which is a dish-shaped collar similar to the collar portion shown in Figs. 1 and 2, and with a hole through the pipe below the collar in which to fit a set-screw to secure such ceiling-collar in position upon a steam-pipe, the whole being cast of one piece of metal, and with its pipe portion large enough to freely slide upon a gas or steam pipe of ordinary diameter. Such wall or ceiling collars, however, are subject to the following objections, to wit: First, the expansion and contraction of the steam-pipe causes the collar to work loose and drop away from the ceiling; second, the set-screw invariably draws the ceiling-collar out of level, so that the collar cannot be set level against the ceiling or plastering, and, third, they are quite expensive.

By my invention all these objections are avoided, and I will now describe it.

In Figs. 1, 2, and 3, A indicates a gas or steam pipe to which my "ceiling-collar" is

applied; B, the ceiling-collar of the form shown, the upper edge of which in the figures is supposed to evenly abut or fit against the plastering or ceiling of a room. C is a spring-clasp or holding-collar, which at its base is made with an annular rim or ledge, *d*, which forms a support for the ceiling-collar B to rest upon when in use, as indicated in Figs. 1 and 2. The spring-clasp or holding-collar C is also made with an inner ring portion, as *e*, to encircle the gas or steam pipe A, as shown, while from a circular portion, *f*, spaced spring clasps or grips F project upwardly, and in practice are made to incline inwardly with the surface of their ends *g* on vertical lines, which if projected sufficiently downward would fall within the circular opening *e'*, through which the pipe A passes, or so as to automatically clasp or grip the gas or steam pipe A when thereupon, as in Figs. 1 and 2. In other words, these clasps or grips F are made of sufficient length to possess more or less springiness, and their opposite ends *g* are made normally a distance apart which is sufficiently less than the diameter of the gas or steam pipe A to cause them to grip such pipe when placed thereon, as shown, and so hold the upper edge, *i*, of the ceiling-collar B in even and level juxtaposition with the ceiling or plastering of a room when the wall or ceiling collar is in use.

In Figs. 5 and 6 I represent my invention as embodied in a single homogeneous piece of metal consisting of the ceiling-collar B, having an annular body extending to the pipe and spring clasps or grips F, which, as shown, surround the gas or steam pipe A when thereon, as in Fig. 6, and which are made to automatically grip the pipe, and so hold the ceiling-collar with its edge *i* in level juxtaposition with the ceiling when in use.

What I claim as my invention is—

1. The within-described ceiling-collar for gas or other pipes, formed with an upper edge adapted to fit flush against the ceiling, an annular body extending to the pipe, and internal upwardly-bent spring clasps or holders adapted to embrace the pipe, and to be

concealed from view when the collar is in position, substantially as described.

2. The combination, with the ceiling-collar B, of a spring-clasp or holding-collar, C,
5 provided with grips F, and a supporting-ledge, d, for the ceiling-collar B, substantially as and for the purpose described.

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

EDWARD K. ROLLINS.

Witnesses:

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