

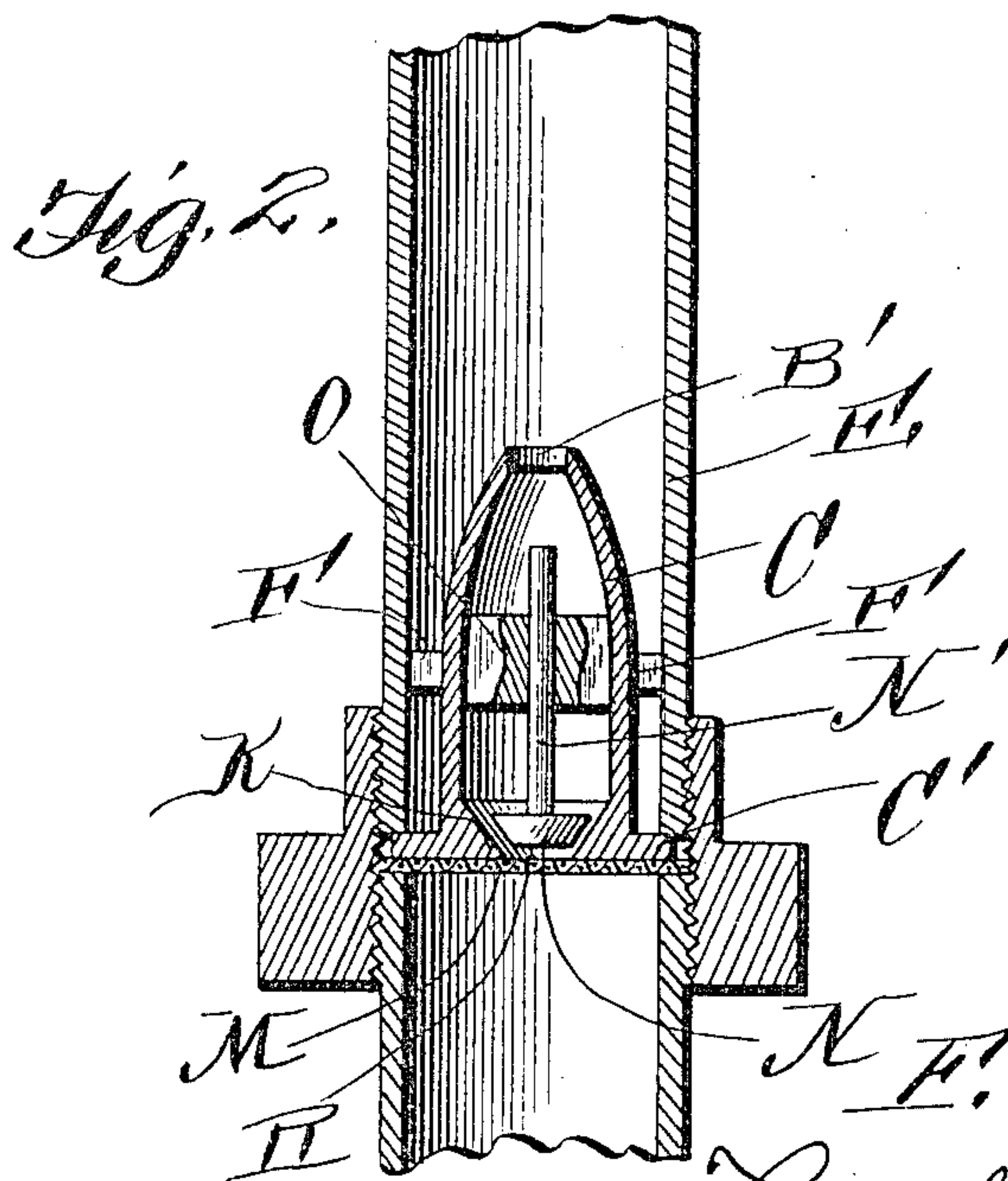
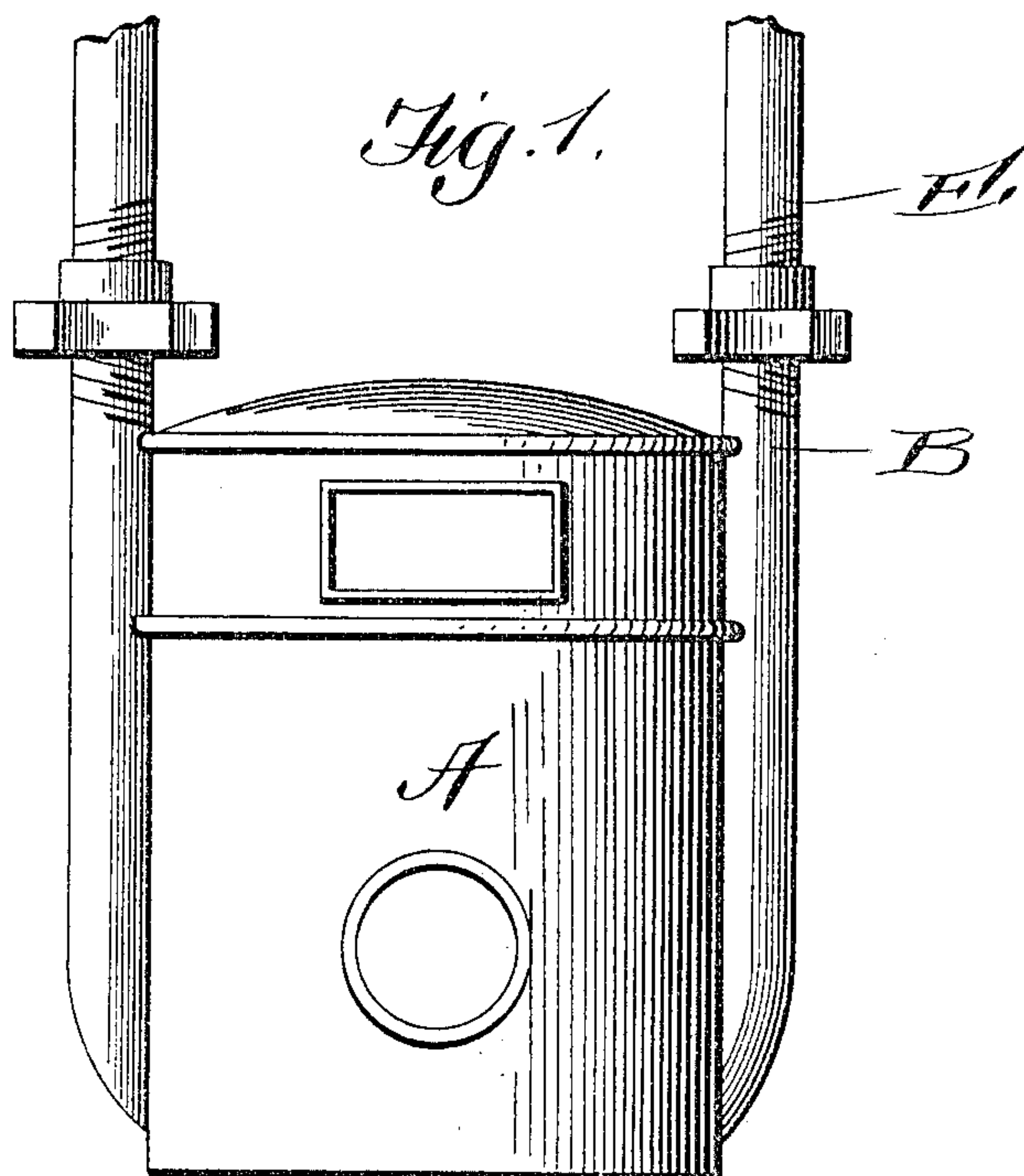
No. 818,554.

PATENTED APR. 24, 1906.

F. W. PLAYSTED.

GAS SAVING DEVICE.

APPLICATION FILED JUNE 6, 1905.



Witnesses

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FRANK W. PLAYSTED, OF MILWAUKEE, WISCONSIN.

GAS-SAVING DEVICE.

No. 818,554.

Specification of Letters Patent.

Patented April 24, 1906.

Application filed June 6, 1905. Serial No. 264,032.

To all whom it may concern:

Be it known that I, FRANK W. PLAYSTED, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Gas-Saving Devices; 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, which form a part of this specification.

This invention relates to new and useful improvements in gas-saving devices for use in connection with pipes leading from meters; and the object of the invention is to produce a simple and efficient means whereby gas which is forced into pipes from a meter when there is a high pressure must remain in the pipes, as the valve provided will prevent back pressure to the meter.

The invention consists in various details of construction and in arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which—

Figure 1 is a view showing the manner of attachment of my device to a pipe leading from a meter, and Fig. 2 is a sectional view through the invention.

Reference now being had to the details of the drawings by letter, A designates a meter having an exit-pipe B leading therefrom, and C designates the shell of my improved attachment and is made preferably cylindrical in shape with a tapering top having an opening B' at the apex thereof, through which gas is allowed to pass to a jet or burner. A flange C projects from the circumference of said shell and upon which a pipe E is adapted to rest, which telescopes over the shell. Arms F, fastened to the circumference of said shell, serve to frictionally engage the inner circumference of the pipe, which telescopes over the shell to securely hold the same in place.

Within said shell is an annular shoulder K, forming a seat for a disk valve N, and N' designates the stem of said valve, which has a play through an aperture in the cross-piece O, which is fastened at its ends at positions diametrically opposite to the inner face of said shell. A screen M is mounted at the inlet-opening R in the bottom of the shell and provided for the purpose of preventing any foreign matter entering the shell.

By the provision of the apparatus shown and described a simple and efficient mechanism is provided whereby all the gas which may be forced into the pipe under high pressure will remain therein and will be prevented from returning through the meter to the main pipes and preventing the same gas from being re-registered.

While I have shown a particular form of device embodying the features of my invention, it will be understood that I may vary the same, if desired, without departing from the spirit of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A gas-saving device comprising, in combination with a meter, pipes communicating therewith, a union having threaded connection with one of said pipes, a second pipe having threaded connection with each union, a screen intermediate the ends of the pipes held by each union, a shell of conical shape having an opening at its apex, a flange at the opposite end of the shell resting upon said screen and engaged by one of said pipes, an opening at the bottom of said shell having a tapering wall, a valve-stem mounted within said shell and having a conical valve adapted to rest upon said screen and reduce the opening in the lower end of the shell, and arms radiating from the shell and adapted to engage the inner surface of one of said pipes, as shown and described.

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

FRANK W. PLAYSTED.

Witnesses:

S. S. WALDO,
WM. COX.