

No. 748,486.

PATENTED DEC. 29, 1903.

U. G. DENSTEN.  
GAS CHECK.

APPLICATION FILED MAY 29, 1903.

NO MODEL.

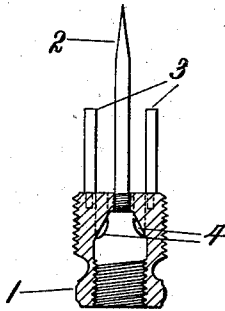
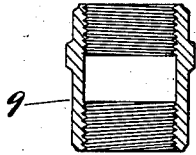
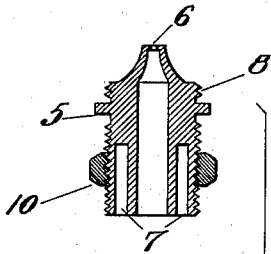
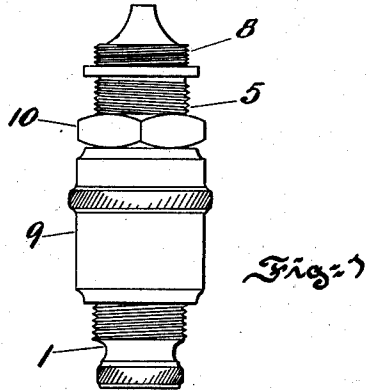


Fig. 3

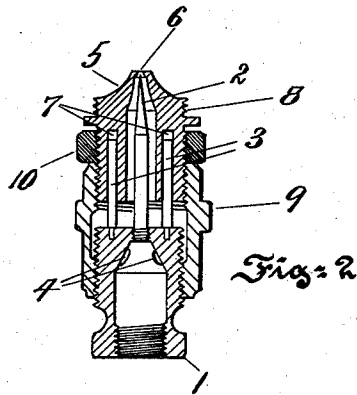


Fig. 2

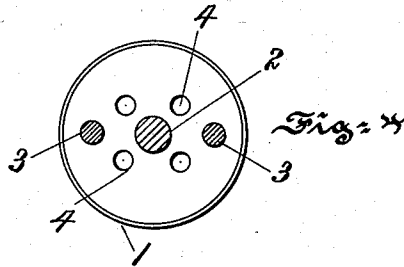


Fig. 4

WITNESSES:

*[Signature]*  
*[Signature]*

INVENTOR.

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# UNITED STATES PATENT OFFICE.

ULYSSES G. DENSTEN, OF CAMDEN, NEW JERSEY, ASSIGNOR TO PENNSYLVANIA GLOBE GAS LIGHT COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

## GAS-CHECK.

SPECIFICATION forming part of Letters Patent No. 748,486, dated December 29, 1903.

Application filed May 29, 1903. Serial No. 159,261. (No model.)

*To all whom it may concern:*

Be it known that I, ULYSSES GRANT DENSTEN, a citizen of the United States, residing at Camden, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Gas-Checks, of which the following is a specification.

One object of the present invention is to provide a gas-check suitable for use in, among other things, lighting and adapted to be conveniently adjusted and yet when adjusted to remain so against accidental displacement.

To this and other ends to be hereinafter set forth the invention, stated in general terms, comprises two tubular members having sliding connection with each other and whereof one is provided with a needle and the other with an orifice, an operating-nut having right and left handed threads respectively engaging these members to cause them to slide in respect to each other, and a locking-nut for clamping and unclamping the parts; and the invention further comprises the improvements to be presently described and finally claimed.

The nature, characteristic features, and scope of the invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is an elevational view of an adjustable gas-check embodying features of the invention. Fig. 2 is a central sectional view of the same. Fig. 3 is a sectional view illustrating the parts detached, and Fig. 4 is a top or plan view, partly in section, illustrating the bottom member of the check.

In the drawings the member 1 is threaded for attachment to a gas-pipe and is provided with an upwardly-extending needle 2 and with upwardly-extending pins 3. Through its top are arranged gas openings or passages 4. The member 5 is fitted with a needle-hole

6 and with sockets 7 for the reception of the pins 3. The needle 2 of course coöperates with the needle-hole 6. The seat 8 accommodates an air and gas mixing tube. (Not shown.)

9 is an operating nut or sleeve provided with right and left handed screw-threads which engage the members 1 and 5. Thus when turned in one direction it serves to move them apart and when turned in the other direction it serves to move them together, and at the same time it prevents the escape of gas from between the members.

10 is a locking-nut which coöperates with the operating-nut 9.

When the locking-nut 10 is clear of the operating-nut 9, the latter may be freely turned, and by turning it in one direction or the other the members 1 and 5 are shifted toward or away from each other, so that the needle 2 regulates the effective area of the needle-hole 6. The pins 3 permit the members to move toward or away from each other, but prevent them from rotating in respect to each other. After the parts have been properly adjusted the locking-nut 10 can be screwed against the operating-nut, and when this is done the parts are held to position against accidental displacement.

It will be obvious to those skilled in the art to which the invention relates that modifications may be made in details without departing from the spirit thereof. Hence I do not limit myself to the precise construction and arrangement of parts hereinabove set forth, and illustrated in the accompanying drawings; but,

Having thus described the nature and objects of the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An adjustable gas-check comprising two members having sliding connection with each other and whereof one is provided with a needle and the other with a needle-hole, an

operating nut or sleeve having right and left handed threads engaging said members, and a locking-nut, substantially as described.

2. An adjustable gas-check comprising two  
5 members having pin-and-socket connections between them and whereof one is provided with a needle-hole and the other with a needle cooperating with the needle-hole, an operating nut or sleeve having right and left  
10 handed screw and thread connection with said

members so as to slide them toward or away from each other, and a locking-nut for locking the parts, substantially as described.

In testimony whereof I have hereunto signed my name.

ULYSSES G. DENSTEN.

Witnesses:

W. J. JACKSON,  
K. M. GILLIGAN.