No. 706,928. Patented Aug. 12, 1902.

M. J. GRAHAM.

VALVE FOR GAS FIXTURES.

(Application filed Dec. 4, 1901.)

No Model.)

Fig. 1.

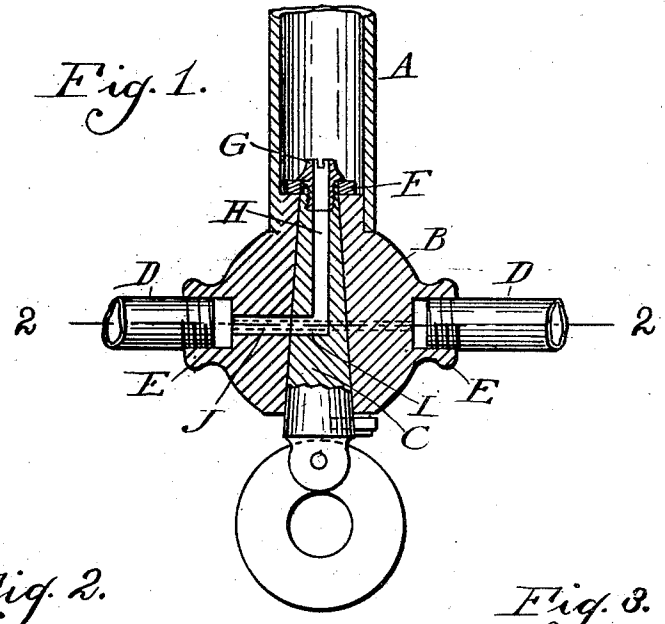


Fig. 2.

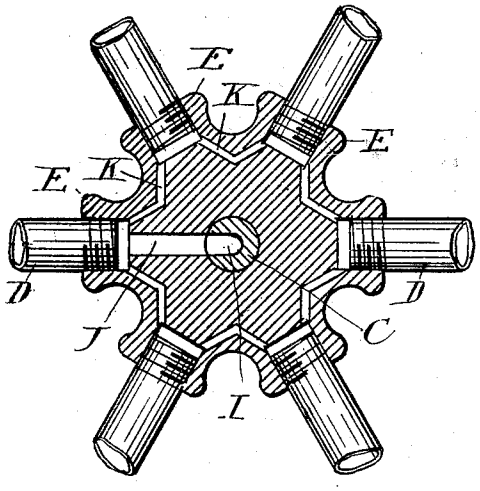
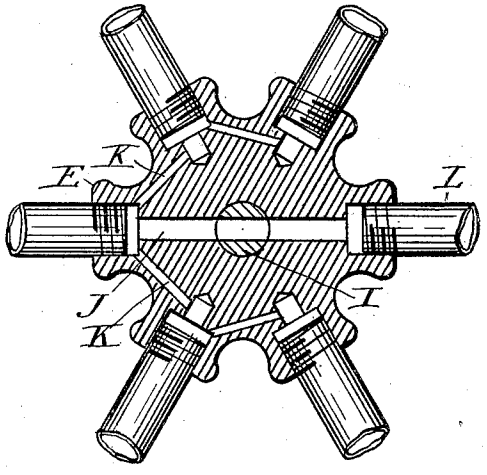


Fig. 3.



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UNITED STATES PATENT OFFICE.

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VALVE FOR GAS-FIXTURES.

SPECIFICATION forming part of Letters Patent No. 706,928, dated August 12, 1902.

Application filed December 4, 1901. Serial No. 84,605. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL J. GRAHAM, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Valves for Gas-Fixtures; 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.

My invention relates to a novel construction in a valve for gas-fixtures, the object being to provide a device of this character which can be mounted upon the lower end of a chandelier and control a cluster of lights, thereby bringing the valve-stem within easy reach and doing away with chains now used to operate the valves of such fixtures; and it consists in the features of construction and combinations of parts hereinafter fully described and claimed.

In the accompanying drawings, illustrating my invention, Figure 1 is a central longitudinal section of a valve constructed in accordance with my invention. Fig. 2 is a section of same on the line 2 2 of Fig. 1. Fig. 3 is a section similar to Fig. 2, but showing the gas-inlet at one side of the valve-casing.

My invention is particularly designed for controlling a cluster of lights where all lights are simultaneously ignited and extinguished. Such clusters are generally mounted on the lower end of a drop-light fixture and are controlled by a valve interposed in the fixture above the cluster and such valve operated by means of chains. This arrangement is not only clumsy, but likewise expensive and inconvenient. Each light of the cluster is fed by means of a pipe radiating from a sphere or cylinder mounted on the lower end of the drop fixture or pipe and which is bored to feed each pipe. By making such sphere or cylinder also serve as the valve-casing, and thereby doing away with the valve and chains above the cluster, I not only save several parts, but add greatly to the convenience and appearance of the fixture.

In said drawings, A indicates the drop-pipe; B, the valve-casing; C, the valve therein, and D the pipes feeding the lights, the latter being secured in the nipples E on said casing B. The said valve C is of the usual tapered form used in gas-fixtures and extends centrally and vertically through the casing B and secured at its upper end by means of the washer F and screw G in the usual manner. The said valve is bored longitudinal from the top to form the gas-inlet H, the screw G being also bored. At its middle portion said valve is provided with a radial opening I, entering the lower end of the inlet H. The said radial opening I is adapted to register with a similar radial opening J in said casing B, leading to one of the nipples E. From said nipple passages K lead to the two next adjacent nipples and from latter to the other nipples, thus establishing communication between said opening J and all of the nipples E, thereby enabling said valve C to control all the lights of the cluster simultaneously.

In Fig. 3 I have shown my device slightly modified to adapt it to a bracket, L being the feed pipe or bracket. In this case the opening I in the valve C is made entirely through the valve, and the opening J in the casing B is also made entirely through the latter, thereby connecting the pipe L with the outermost or diametrically opposite nipple. The latter is connected by the passages K with the remaining nipples.

My device is very cheap and easily made and is a great saving over the construction now generally used, besides being more ornamental and convenient. Obviously the stem of the valve may be of any desired length to bring it within reach of the operator.

I claim as my invention—

A fitting for gas-fixtures comprising a shell made of a single piece of metal, provided with a plurality of gas-outlets and one gas-inlet, a conical valve mounted in the center of said shell, said valve being adapted to control the flow of gas through said fitting, and also adapted to be held to its seat by means of a screw in the small end of same, and said casing be-

ing provided with a gas-passage leading from said gas-inlet to said valve and also with a passage leading from said valve to one of said outlets, also with circumferential passages adapted to connect adjacent gas-outlets, to the end that all of said outlets will be supplied from the passage leading from said valve.

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

MICHAEL J. GRAHAM.

Witnesses:
RUDOLPH WM. LOTZ,
E. F. WILSON.