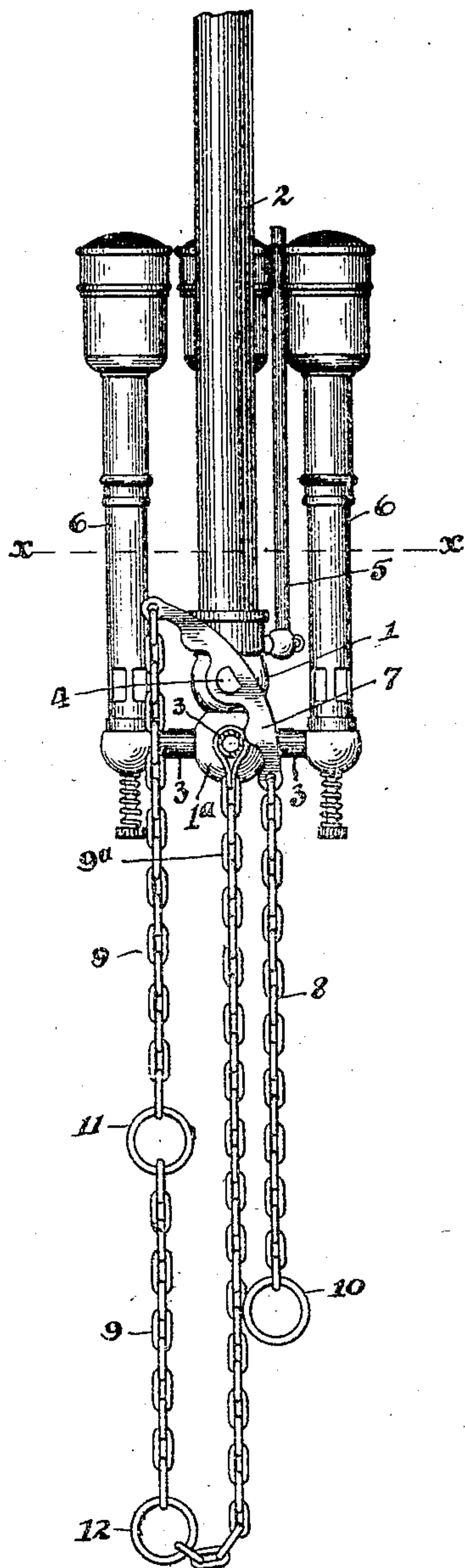


No. 774,508.

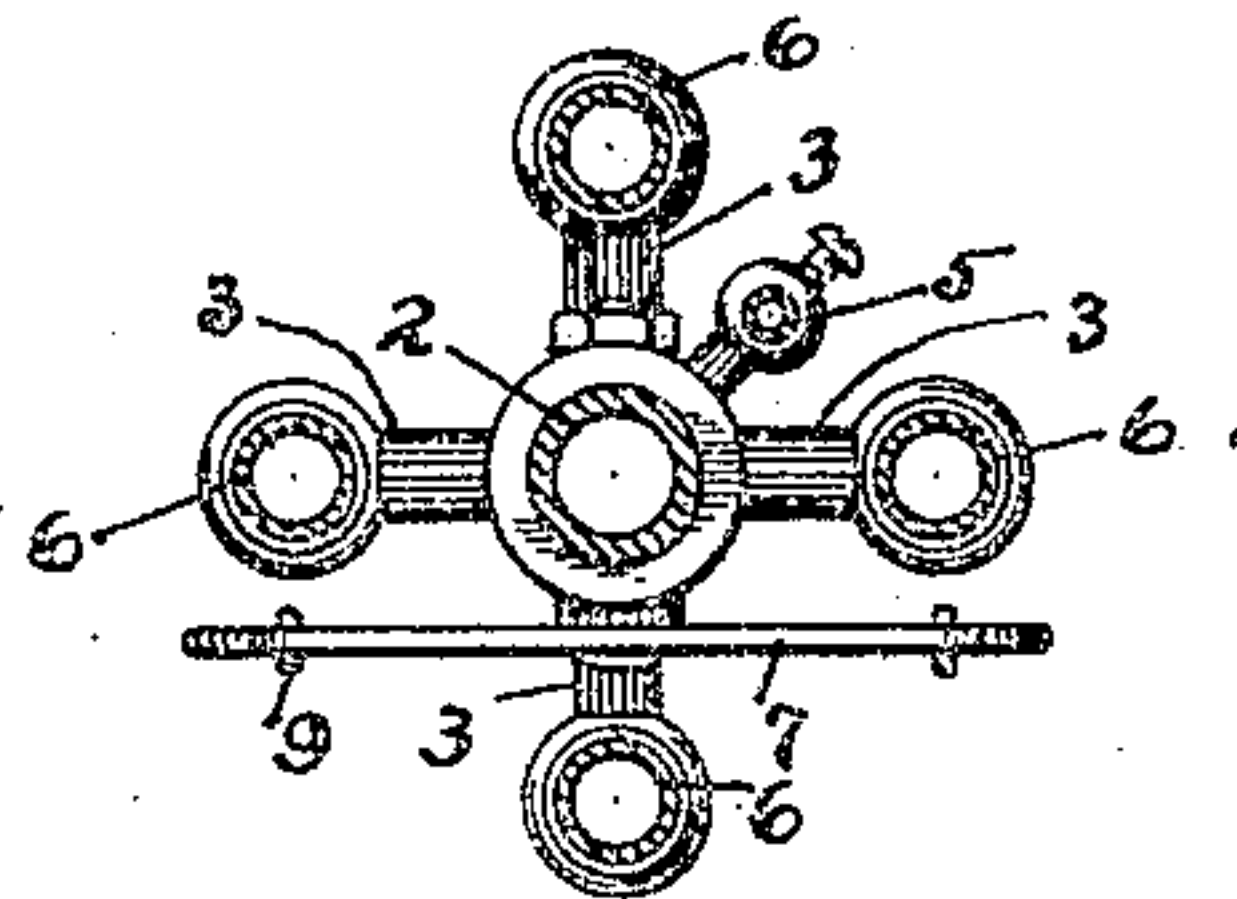
PATENTED NOV. 8, 1904.

C. W. CURRIER.  
GAS BURNER VALVE OPERATING DEVICE.  
APPLICATION FILED MAR. 3, 1904.

NO MODEL.



*Fig. 1.*



*Fig. 2.*

WITNESSES:

*H. B. Bradshaw*  
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INVENTOR

*Charles W. Currier*

BY

*Shepherd & Parker*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CHARLES W. CURRIER, OF COLUMBUS, OHIO.

## GAS-BURNER-VALVE-OPERATING DEVICE.

SPECIFICATION forming part of Letters Patent No. 774,508, dated November 8, 1904.

Application filed March 3, 1904. Serial No. 196,309. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES W. CURRIER, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Gas-Burner-Valve-Operating Devices, of which the following is a specification.

My invention relates to the improvement of gas-burner-valve operating devices; and the objects of my invention are to provide improved means for operating, controlling, and indicating the position of the valve of a cluster-burner gas-lamp and to produce certain improvements, the details of construction of which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a view in elevation of a cluster-burner gas-lamp, one of the burner-tubes being broken away for the sake of clearness in illustration; and Fig. 2 is a sectional view on line *xx* of Fig. 1.

Similar numerals refer to similar parts throughout the both views.

1 represents a valve-casing to which leads vertically a gas-supply pipe 2. This valve-casing has extending from its lower portion or downward extension 1<sup>a</sup> thereof a plurality of pipe-arms 3, the flow of gas to which is regulated by a valve 4, mounted in the casing 1, and of that class which is so constructed as to supply gas to one or all of the pipe-arms 3, depending upon the position of said valve within its casing and to provide a constant supply of gas to a pilot or lighting tube 5, which is also connected with said valve-casing. 6 represents burner-carrying tubes which rise from the extremities of the pipe-arms 3. On one of the outwardly-extending ends of the rotatable valve 4 is fixed centrally a double-arm valve-controlling lever 7. From one end of this lever 7 depends a comparatively short chain or cord 8, and from the remaining end thereof depends a chain or cord 9, which is in the form of a loop, as shown, and has the end of its inner member 9<sup>a</sup> connected, as indicated, with one of the pipe-arms 3 or with some other fixed

part of the burner-body. The lower end of the chain 8 is provided with a suitable handle, which in the present instance is shown in the nature of a ring 10, while the chain 9 is provided with similar separated handles 11 and 12.

In the present instance the construction of the controlling-valve and its casing-ports is such that when the handle 10 is pulled to its lower limit, as shown in the drawings, and the arm of the lever 7, with which the chain 8 is connected, is thereby pulled until said arm is in contact with one of the pipe-arms 3, the pipe-arms 3 are all in communication with the supply-pipe 2. This is indicated to the eye of the observer by the position of the various handles 10, 11, and 12. When the handle 11 is pulled to its extreme lower limit and the end of the lever 7 is likewise pulled downward until said lever is in contact with the pipe-arm 3, the relative position of the handles indicates to the eye that the gas is cut off entirely from said pipe-arms. When, however, the handle 12 is pulled downward a short distance or until the member 9<sup>a</sup> of the chain 9 is taut, the positions of the handles indicate that but one of the burners is being supplied with gas.

It is obvious that the results of these operations of the chains and their handles is dependent upon the construction of the valve and arrangement of valve-casing ports which are controlled thereby; but this construction is not the subject of my present invention and for that reason is not herein shown or described.

From the construction and operation described it will readily be understood that on the positions of the chains and their handles will depend the position of the valve which is controlled by the lever 7 and that the positions of said handles and chains will thereby indicate whether or not gas is flowing through all the pipe-arms, one of the pipe-arms only, or is entirely cut off.

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

In a valve-operating means for cluster gas-lamps, the combination with a gas-supply pipe, a valve-casing, pipe-arms communicat-



ing with said valve-casing, burners supported  
by said pipe-arms and a valve for controlling  
the supply of gas to said pipe-arms, of a  
double-arm lever connected with said valve,  
5 an operating-hanger depending from one end  
of said lever and a looped hanger having one  
of its ends connected with the remaining end  
of said lever and its other end connected with

a lamp-body, a handle interposed in said  
looped hanger and a second handle interposed 10  
therein below the first-mentioned handle, sub-  
stantially as described.

CHARLES W. CURRIER.

In presence of—

C. C. SHEPHERD,

A. L. PHELPS.