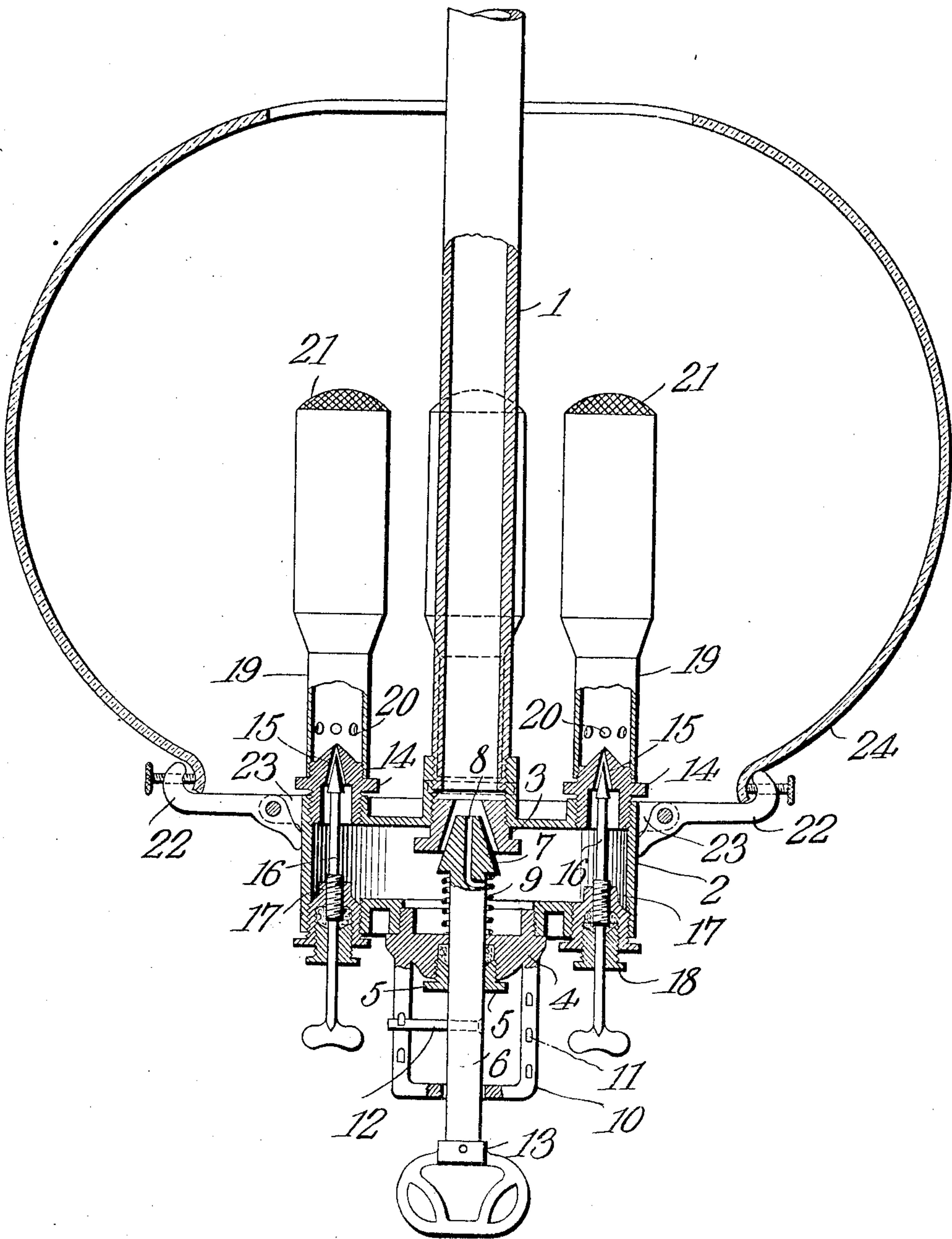


No. 871,950.

PATENTED NOV. 26, 1907.

J. J. McINTYRE.
GAS LAMP.

APPLICATION FILED JULY 25, 1906.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JAMES J. McINTYRE, OF IRONTON, OHIO.

GAS-LAMP.

No. 871,950.

Specification of Letters Patent.

Patented Nov. 26, 1907.

Application filed July 25, 1906. Serial No. 327,728.

To all whom it may concern:

Be it known that I, JAMES J. McINTYRE, a citizen of the United States, residing at Ironton, in the county of Lawrence and State of Ohio, have invented a new and useful Gas-Lamp, of which the following is a specification.

This invention has relation to gas lamps and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a lamp which is attached to a gas supply pipe and is provided with a central gas distributing chamber. A plurality of burners are mounted upon the said chamber and the supply of gas from the chamber to the burners is governed in each instance by a needle valve. A cone valve is interposed between the gas supply pipe and said gas distributing chamber and is adapted to move vertically in seating and unseating. A coil spring actuates the said valve to close the same against the seat. The said valve is provided with a by-pass valve which permits a small quantity of gas to pass at all times from the supply pipe into the distributing chamber. The said distributing chamber is provided with a series of pivoted brackets. Said brackets are adapted to swing upwardly and permit the globe to be slipped above the distributing chamber. The brackets are then swung down when the globe is seated upon the same.

In the drawing, the figure is a vertical sectional view of the lamp.

The gas supply pipe 1 has attached to its lower end the drum 2 which constitutes a gas distributing chamber. The conical seat 3 is located at the lower end of the pipe 1. The plug 4 is screw threaded into the center of the under side of the said drum 2. The bush 5 is screw threaded into the center of the said plug 4. The valve stem 6 is slidably located in the said bush 5. The upper end of said stem is provided with a conical valve 7 which is adapted to close the seat 3. The said valve 7 is provided with the by-pass 8 one end of which is located within the pipe 1 and the other end within the gas distributing chamber 2. The coil spring 9 is interposed between the plug 4 or the bushing 5 and the lower surface of the said conical valves 7. The tension of said spring is such as to have a tendency to maintain the said valve in an elevated position.

The yoke 10 is attached to the lower side of the plug 4 and is provided at each of its sides with the stops or pegs 11, 11. The lug 12 is attached to the valve stem 6 and is located below the bush 5 and is adapted to pass under the stops or pegs 11. The key 13 is made to fit upon the lower end of the stem 6. The drum or gas distributing compartment 2 is provided with a series of gas outlets and burners and as they are all of the same construction, a description of one will answer for all. The bushing 14 is screw threaded into the top of the drum 2. Said bushing is provided in its interior with a valve seat 15. The needle valve 16 is adapted to close or cooperate with the valve seat 15. The said needle valve is screw threaded into the bushing 17 which in turn is screw threaded into the bottom or lower portion of the drum 2. The stuffing box 18 surrounds the stem of the valve 16 and enters the bushing 17. The burner 19 is attached at its lower end to the bushing 14 and is provided with the usual air ports 20 and the burner proper 21. The brackets 22 are pivoted at their inner ends to the lugs 23, said lugs in turn being attached to the vertical walls of the drum 1. The said lugs are adapted to swing in an upward direction only. That is to say, they may swing down until they assume horizontal positions when their downward movement is checked. The globe 24 in being seated upon the brackets 22 is slipped up around the drum 2 when the brackets 22 are swung up and when the lower edge of the said globe 24 is above the ends of the said brackets, the said brackets swing down when the globe may be seated at its lower edge upon the same.

It will be noted by referring to the drawings that the pegs or stops 11 are disposed in two columns, those in one column being located opposite the spaces between those in the other column so that by placing the lugs 12 in engagement with one of the pegs or stops in either column a very minute adjustment of the valve will be obtained. Moreover, by simply releasing the lug 12 from one of the stops 11 the valve 7 can be promptly seated without further rotary movement.

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

A gas lamp comprising a supply pipe, a gas distributing drum attached to the end thereof, a plurality of burners mounted upon the drum and disposed around the supply

pipe, said drum serving as a source of supply
common to all of the burners, a valve for con-
trolling the supply of gas from the drum to
each burner, a revoluble and slidable valve
5 for controlling the supply of gas to the drum
from the pipe, a spring for holding said valve
normally seated, a locking lug extending
from and movable with the stem, and par-
allel series of alternately arranged stops, any
10 one of said stops being disposed to be en-
gaged by the lug, said spring being disposed

to seat the valve immediately subsequent to
the release of the lug from any one of the
stops.

In testimony that I claim the foregoing as 15
my own, I have hereto affixed my signature
in the presence of two witnesses.

JAMES J. McINTYRE.

Witnesses:

J. G. PETERS,

J. T. McKNIGHT.