

J. R. SCATTERGOOD.
Gas-Lighter.

No. 199,747.

Patented Jan. 29, 1878.

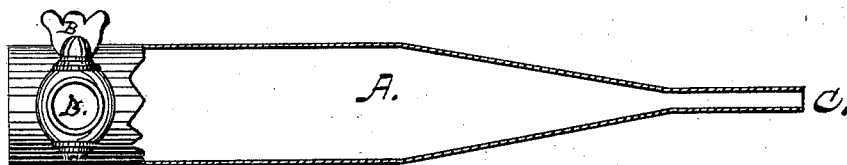


Fig. 1

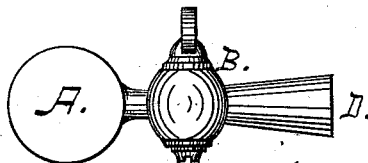


Fig. 2

Witness
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UNITED STATES PATENT OFFICE.

JOHN R. SCATTERGOOD, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN GAS-LIGHTERS.

Specification forming part of Letters Patent No. **199,747**, dated January 29, 1878; application filed November 10, 1877.

To all whom it may concern:

Be it known that I, JOHN R. SCATTERGOOD, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Gas-Lighters, which improvement is fully set forth in the annexed specification and accompanying drawings, in which—

Figure 1 is a side view, partly in section. Fig. 2 is an end view.

The object of my invention is to make a gas-lighter that shall be clean, neat, cheap, and easily adjusted, using gas to light gas.

For this purpose I construct a tube, A, which is provided with a stop-cock, B. The tube may be made of any material, and have a small end, C, which is open for the exit of gas. This opening will ordinarily be about the size of a common gas-burner. This end C is made for some few inches with parallel sides. Other forms of the receptacle may be used, and serve equally well, as the particular form and size are not a part of the invention.

To prepare the lighter for use I connect the tube D with a gas-burner, when the stop-cock will be opened and the gas allowed to flow into the tube, filling it in an instant. The finger being then put on the top C will prevent any gas from escaping, and serve to compress the gas in the tube. The stop-cock will then be closed, and the gas will remain in the receptacle if it be left with the large end down,

for the outside pressure of the air on the top of the tube will not allow any gas to escape; and if it be turned over on the apex and stood away till needed for use, the gas will not escape, for its levity will keep it in the upper part of the tube. But when desirable to use it, the stop-cock is opened, which admits the air into the tube, when the gas will begin to escape from the end C, and a match will light it for use. It requires but a small blaze—the size will be regulated by the stop-cock—and this may be carried about a house, where it is mainly desired for use, without going out. These tubes will ordinarily be made some three or four feet long, and perhaps one and a half inch in diameter at the large end, and this will hold gas enough to burn ten or twelve minutes. In this way, in the use of gas I light gas, having a very simple, cheap, and desirable gas-lighter. Therefore

What I claim as my invention, and desire to secure by Letters Patent, is—

The fixed tube A, having the aperture D, for the admission of gas or air, to be closed by the stop-cock B, and having at the opposite end an aperture, C, for the exit of gas, substantially as and for the purpose specified.

JOHN R. SCATTERGOOD.

Witnesses:

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