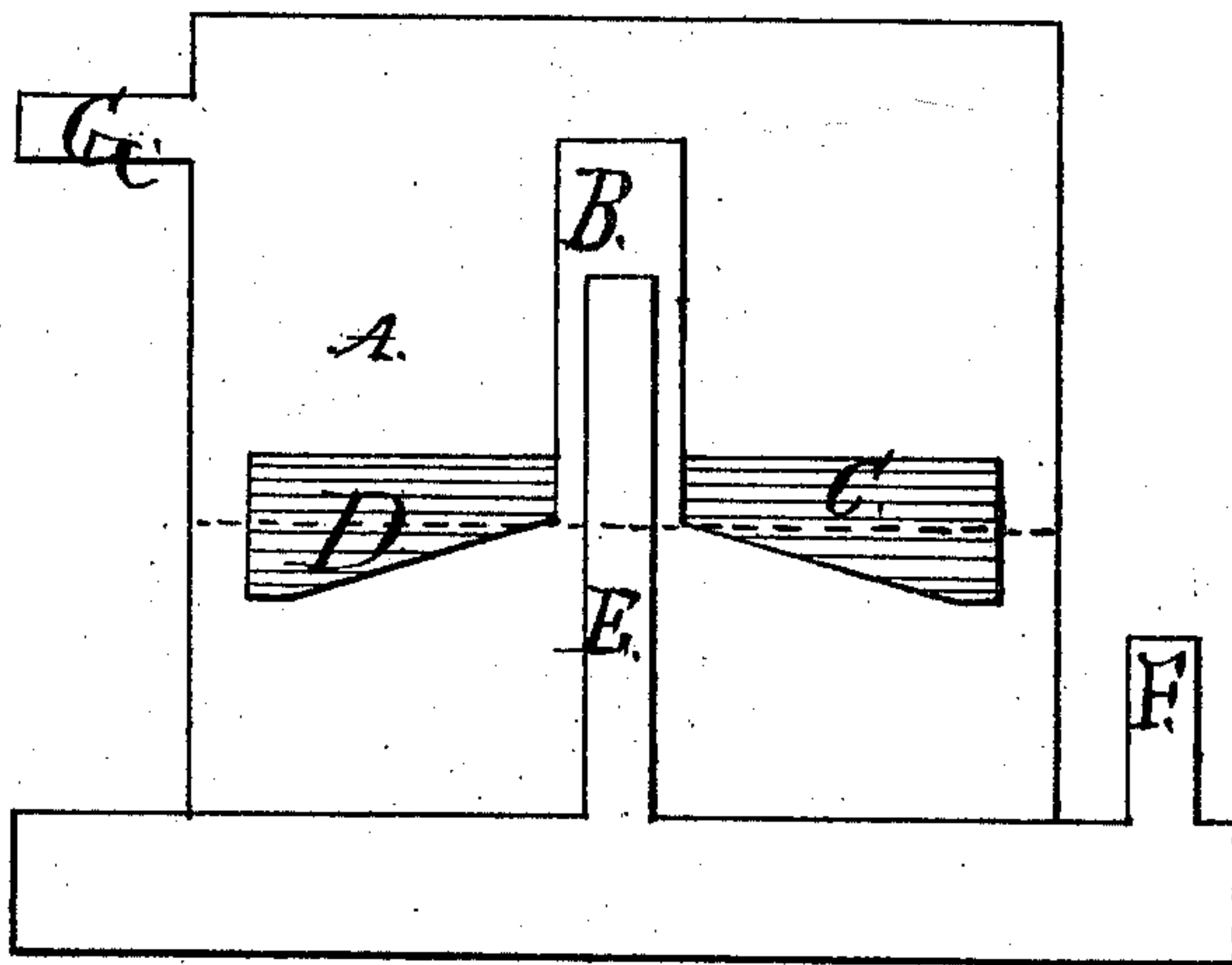


J. A. Bassett,

Carburetor.

No. 83,239.

Patented Oct. 20. 1868.



Witnesses

J. R. Nichols

J. G. Speer

Inventor.

John A. Bassett.

UNITED STATES PATENT OFFICE.

JOHN A. BASSETT, OF SALEM, MASSACHUSETTS.

IMPROVED APPARATUS FOR THE MANUFACTURE OF ILLUMINATING-GAS.

Specification forming part of Letters Patent No. **83,239**, dated October 20, 1868.

To all whom it may concern:

Be it known that I, JOHN A. BASSETT, of Salem, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in the Manufacture of Illuminating - Gas from Volatile Hydrocarbons; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the drawing annexed, forming a part of this specification.

This invention relates to that class of gas-making machines in which air is impregnated with the vapor of a liquid hydrocarbon, the object being to cause the air to enter into immediate and prolonged contact with the vapor of the liquid. In this class of machines the air is compelled to pass under the surface of a floating disk in direct contact with the hydrocarbon, and, escaping at the periphery of the disk, becomes impregnated with it.

The nature of this invention consists in forming this disk of wood with a number of semi-cylindrical channels upon the under side of it, radiating from the center, so that the air is divided into a number of streams in its passage under the disk, before escaping at the outside, so that it escapes uniformly all around the circumference.

In the drawing, A represents the carbureting-chamber. B is a pipe, closed at the top, which is fastened to a disk of wood, C, made in the shape shown in the dotted lines. D indicates the level of the hydrocarbon. E is a pipe reaching above the level of the hydrocarbon, and over which the pipe B slides. F is the inlet, and G the outlet, for air.

The advantage of using wood for this purpose is evident to those who have had experience with this class of machines. A metal disk is difficult and expensive to make, and the level above the hydrocarbon is troublesome to adjust.

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

1. In an apparatus for carbureting air, the disk C, made of wood, floating upon the surface of the hydrocarbon liquid and partially immersed therein.

2. The disk C, having radiating channels formed upon the under surface, for the purpose substantially as described.

J. A. BASSETT.

Witnesses:

C. C. LORING,
I. R. NICHOLS.