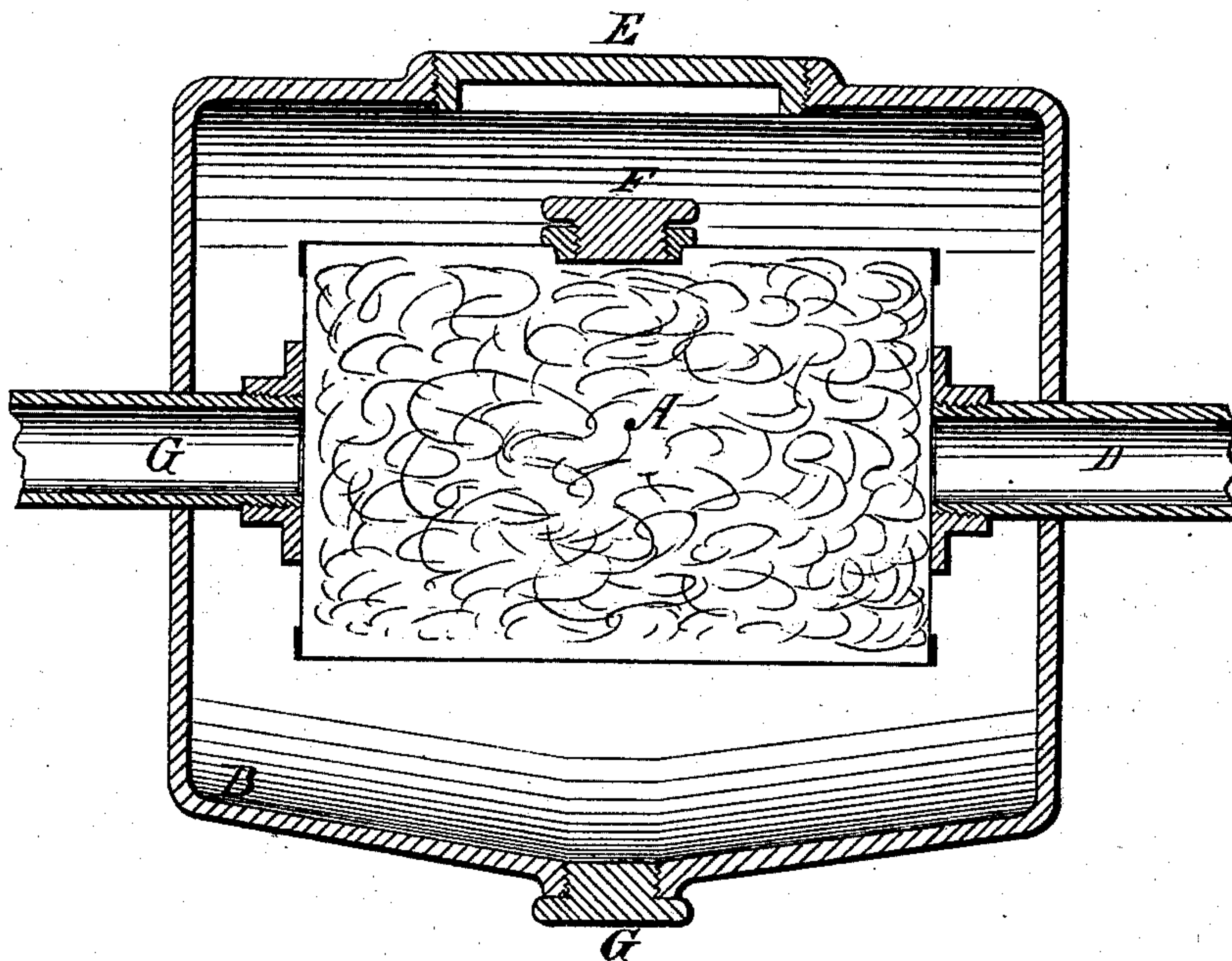


J. A. BASSETT.

Carbureter.

No. 66,066.

Patented June 25, 1867.



Witnesses:

H. L. Stunt
H. J. Kirkor

Inventor:

J. A. Bassett

United States Patent Office.

JOHN A. BASSETT, OF SALEM, MASSACHUSETTS.

Letters Patent No. 66,066, dated June 25, 1867.

IMPROVEMENT IN GAS-CARBURETTERS.

The Schedule referred to in these Letters Patent and making part of the same.

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 Gas-Carburetters; and I do hereby declare that the following is a full, clear, and exact description of the same, with the annexed drawing forming a part of this specification.

The object of this invention is to provide, for gas-carburetters used in carbonizing coal gas, an outer casing of iron or other fire-proof and durable material, in which the carburetter is placed so as to render it less liable to be injured by accident or design, and to preserve a more uniform temperature by heating with steam or otherwise the space between the inner and outer chamber.

Gas-carburetters are usually made of sheet metal, and are liable to be injured by careless handling. In many places they are in such positions, (in vaults, with machinery, etc.,) that accidentally they may be broken or displaced. By the means here shown the use of the apparatus is unattended by any danger, the carburetter is not liable to be broken, and cannot be tampered with; and in case of leakage the hydrocarbon liquid will not escape or endanger the safety of the building.

In the drawing, A represents (in vertical section) the carburetting-chamber filled with porous or capillary material. This carburetter is placed in a box or casing, (made of cast iron by preference,) B. The gas inlet and outlet is shown at C and D. I prefer to have a space between the carburetter and casing of about two and a half inches, or this space may be filled with any good non-conductor. The outer casing has a door at the top, E, which may be secured by bolts, or in any suitable manner, and the inlet for filling the gas-carburetter F is placed directly under the door. Or by means of a pipe passing through the top of the casing B, closed with a screw-cap, the carburetter may be filled without opening the casing B. At the bottom of the casing A a screw-cap or cock, G, is placed by which any leakage or overflow may be drawn off. It may be desirable in some cases to connect at this point a pipe leading to a sewer or other receptacle outside the building, so that any waste or overflow will readily pass off. The inlet for the hydrocarbon may be arranged with a connection to a reservoir placed outside the building, or in any suitable place, so that the apparatus will not have to be opened at all, and no hydrocarbon brought into the building except through this channel. A steam coil may be introduced between the casing B and carburetter A, for the purpose of heating it in cold weather.

Having thus described my invention, I desire to patent—

1. A gas-carburetting chamber surrounded by the casing of iron or other fire-proof material, substantially in the manner shown, and for the purpose set forth.
2. A gas-carburetting chamber having the inlet for hydrocarbon and waste exit arranged substantially as set forth.

JOHN A. BASSETT.

Witnesses:

D. S. RAMSAY,
H. P. BUCHER.