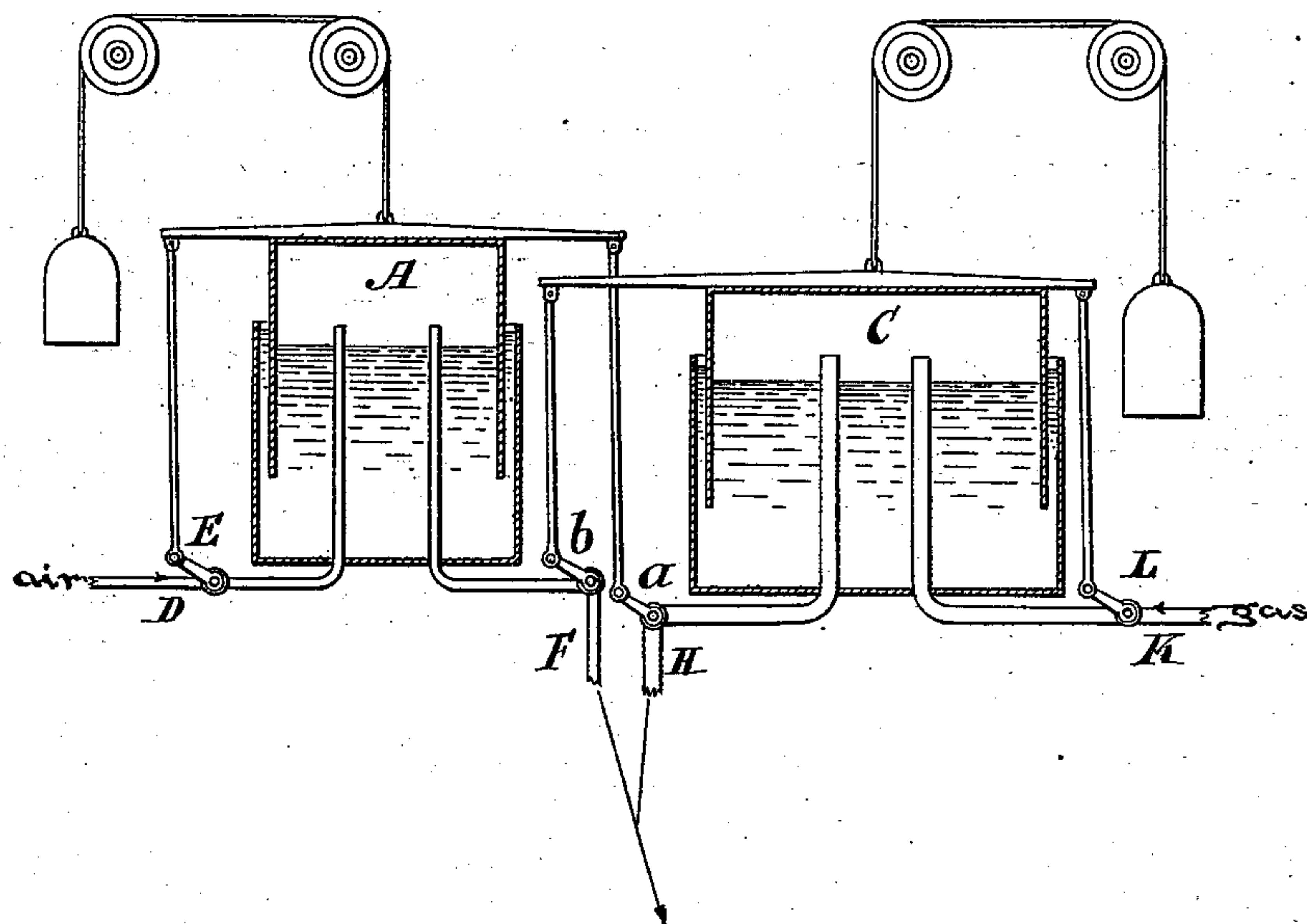


(No Model.)

E. N. DICKERSON.  
GAS GOVERNOR.

No. 550,162.

Patented Nov. 19, 1895.



Witnesses  
Geo. Wadman  
Jac. Klemm.

Inventor  
E. N. Dickerson

# UNITED STATES PATENT OFFICE.

EDWARD N. DICKERSON, OF NEW YORK, N. Y.

## GAS-GOVERNOR.

SPECIFICATION forming part of Letters Patent No. 550,162, dated November 19, 1895.

Application filed May 15, 1895. Serial No. 549,364. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD N. DICKERSON, of the city, county, and State of New York, have invented a new and useful Improvement in Combined Gas-Governors, of which the following is a full, true, and exact description.

This invention relates to a combination of two gas-holders or gas-governors arranged to supply—for example, to a mingling device—two different gases. In some cases of this kind—as, for instance, when acetylene and air are to be mingled—it is important that an excess of air shall not be delivered in case of the failure of the acetylene. In order to prevent this difficulty, I have combined two governors in such a way that when either one is emptied of gas the delivery of gas from the other one is prevented.

My invention will be readily understood from the accompanying drawing, which is generally a vertical cross-section.

A and C represent the governors, having supply-pipes D and K, provided, respectively, with governing-valves E L, and with delivery-valves *b a*, connecting to pipes F and H, respectively. As ordinarily employed, the governor A is used to supply air, while the governor C is used to supply acetylene, the proportion of air being less than the proportion of acetylene. On this account the pipes D F are made of less diameter than the pipes K H. As will be seen, the valve *a* is controlled

by the governor A and the valve *b* by the governor C. Consequently when either governor sinks the delivery from the other governor is cut off. Each governor independently controls the supply of gas to it. The pipes F and H may connect with any suitable mingling device.

It is evident that the mechanical construction may be varied, the principle of my invention being the interaction of the two governors.

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

1. The combination of the two governors A and C, the governor A connected with delivery valve *a* from the governor C, and the governor C connected with delivery valve *b* from the governor A, substantially as described.

2. The combination of the holders A and C, with valves E L and *a b*, the holder A governing the valve E and the valve *a* in the delivery pipe of holder C, and the holder C governing the valve L and the valve *b* in the delivery pipe of holder A, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

E. N. DICKERSON.

Witnesses:

ANTHONY GREF,  
H. CONTUNT.