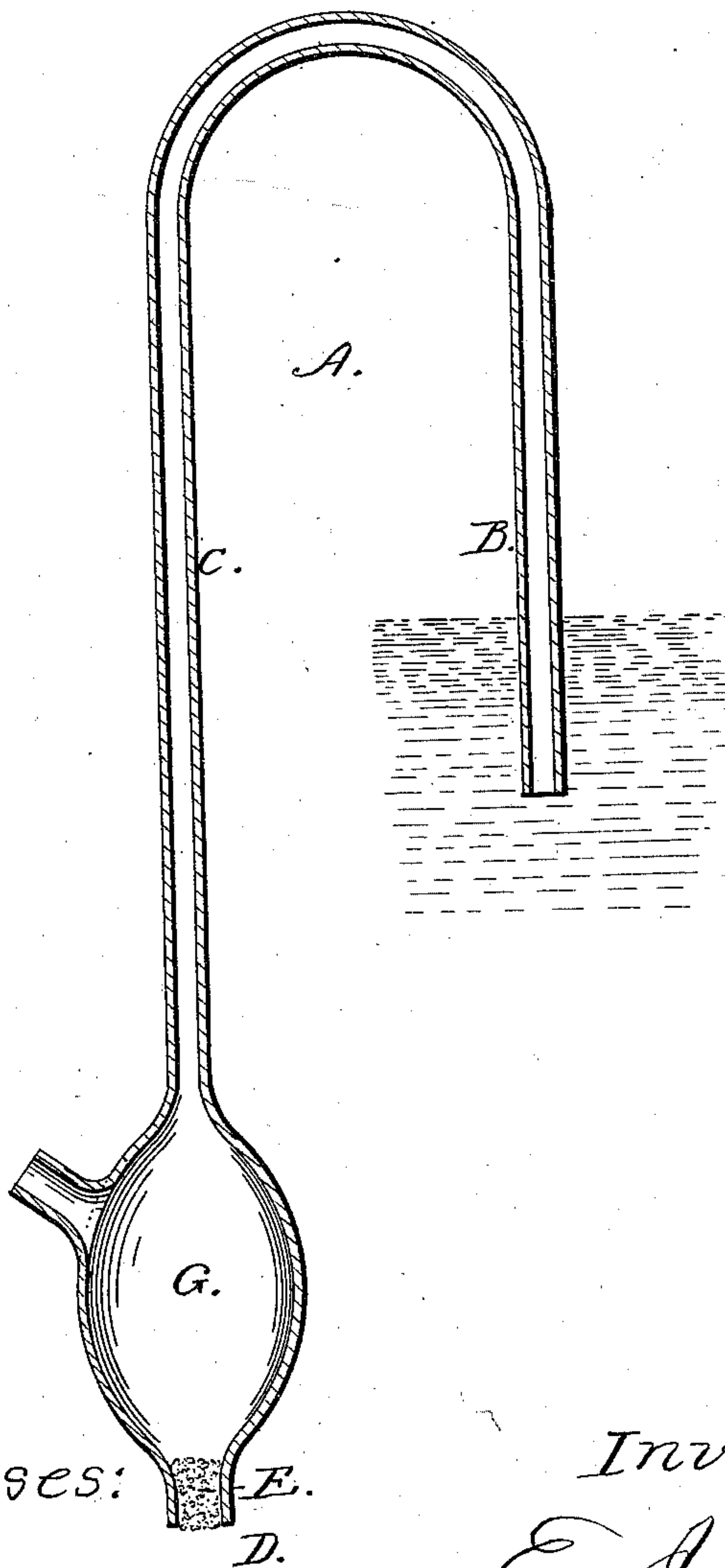


E. I. Stearns,

Siphon.

N^o 58,316.

Patented Sep. 25, 1866.



Witnesses:

*Wm. D. Longfellow.
Jas. A. Service.*

Inventor:

*E. I. Stearns.
Per *Wm. H. L.*
*Attorney.**

UNITED STATES PATENT OFFICE.

E. I. STEARNS, OF HONESDALE, PENNSYLVANIA.

IMPROVEMENT IN SIPHONS.

Specification forming part of Letters Patent No. 58,316, dated September 25, 1866.

To all whom it may concern:

Be it known that I, E. I. STEARNS, of Honesdale, Wayne county, and State of Pennsylvania, have invented a new and Improved Siphon; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The especial object of this invention is to economize a great amount of waste now attendant upon the emptying of the baths containing gold or silver solutions used in photography; and for this purpose it consists in enlarging the discharge end of a siphon, and in using in such end a sponge, or other suitable material, for filtering the gold or silver solution, as the case may be, which is passing through the siphon, whereby the desired result is obtained and the passage of the solution or liquid through the siphon insured.

In the accompanying plate of drawing my improved siphon is illustrated, the figure being a central vertical section of the same.

A in the drawing represents a siphon, the construction of which, except so far as the present invention extends, is similar to the ordinary siphons, and is used and operated substantially the same.

B is the end or shorter leg of the siphon, which is to be inserted in the liquid that is to be drawn through it, and C the longer leg. In the discharging end or nozzle D of the leg C a piece of sponge, E, or other suitable filtering medium, is inserted, as plainly shown in the drawing, and above such sponge, at G, the said siphon leg C is considerably enlarged or increased in size, so as to increase the facility with which the liquid passing through the siphon can escape therefrom through the filtering medium inserted in its discharging end or nozzle.

From the above description of my improved siphon, it is plainly apparent that it is especially adapted for use in connection with the baths employed in photography, although it can be applied to other and various purposes.

I claim as new and desire to secure by Letters Patent—

A siphon having its discharge end or nozzle enlarged and provided with a sponge or other suitable filtering medium, substantially as described, and for the purpose specified.

E. I. STEARNS.

Witnesses:

JNO. K. JENKINS,
JNO. MCINTOSH.