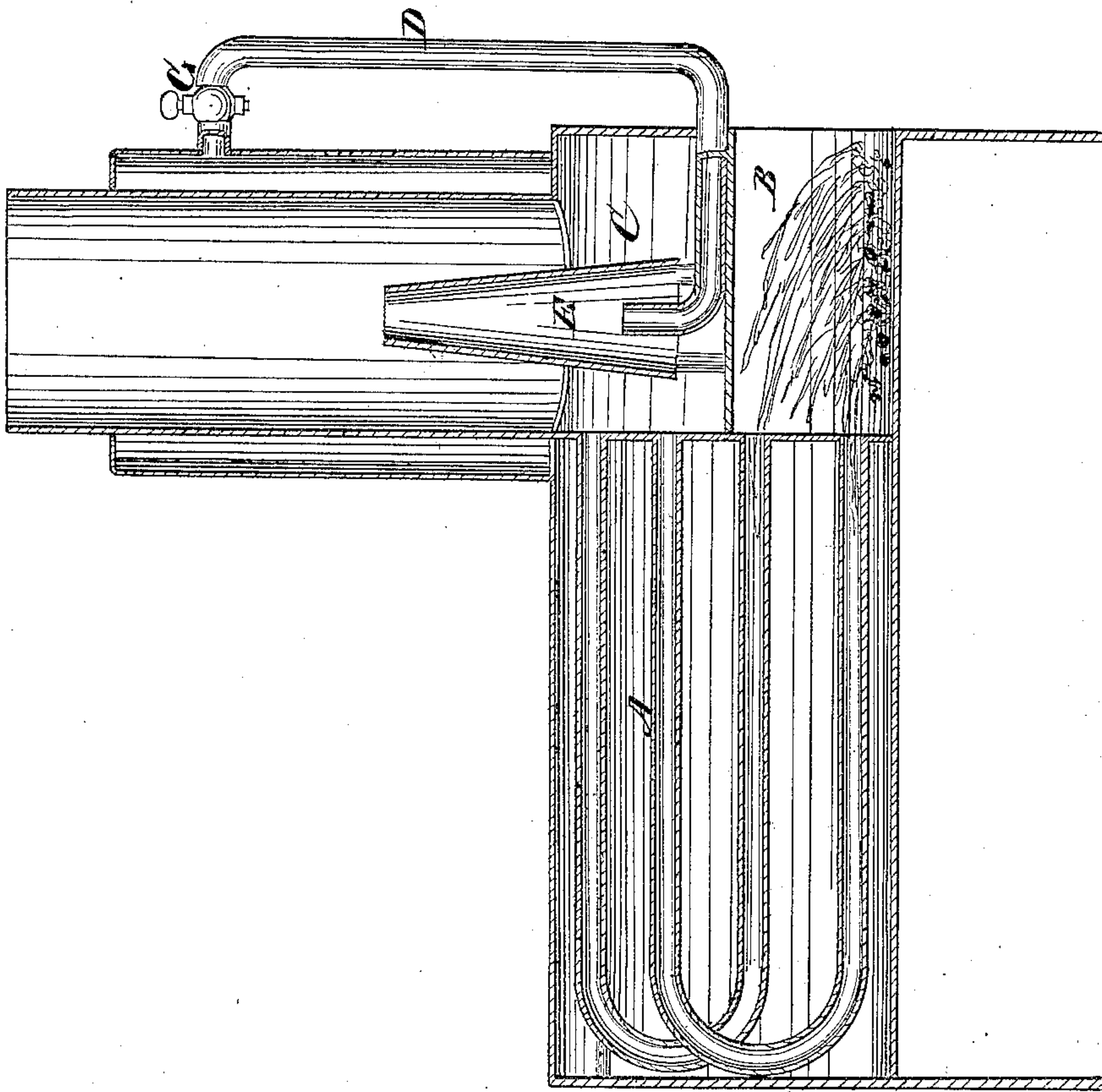


W.H. Squires,
Steam-Boiler Furnace,
Nº 69,268, Patented Sep. 24, 1867.



Witnesses
Alex L Roberts
J. A. Fraser

Inventor
Wm H. Squires
per [Signature] Attorneys

United States Patent Office.

WILLIAM H. SQUIRES, OF NEW YORK, N. Y

Letters Patent No. 69,268, dated September 24, 1867.

IMPROVEMENT IN STEAM-GENERATOR BLOWERS.

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, WILLIAM H. SQUIRES, of the city, county, and State of New York, have invented a new and improved Mode of Creating Draught in Steam-Boiler Furnaces, and that the following description, taken in connection with the accompanying drawing, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim, and desire to have secured to me by Letters Patent.

This invention consists in the combination with the lower part of the smoke-stack or chamber with which the lower part of the smoke-stack communicates, of a conical chamber, into the lower part of which a steam-tube communicating with the boiler is inserted. The steam-tube is provided with a stop-cock, whereby steam may be allowed to pass from the boiler into the lower part of the smoke-stack, and create the necessary draught.

The accompanying drawing represents a side sectional view of my invention applied to a steam-boiler.

A represents a steam-boiler, B the furnace thereof, and C the lower part of the smoke-stack, or chamber with which the smoke-stack communicates. D is a steam pipe, which extends from the boiler, and passes into a conical chamber, E, in the lower part of the smoke-stack. This steam pipe is provided with a stop-cock, G, by which the admission of steam into E may be graduated as desired.

From the above description it will be seen that a greater or less draught may be produced in the smoke-stack, as required.

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

The arrangement of the boiler A, furnace B, chamber C, steam pipe D, stop-cock G, and conical chamber E, as herein set forth for the purpose specified.

WILLIAM H. SQUIRES.

Witnesses:

WM. F. McNAMARA,

ALEX. F. ROBERTS.