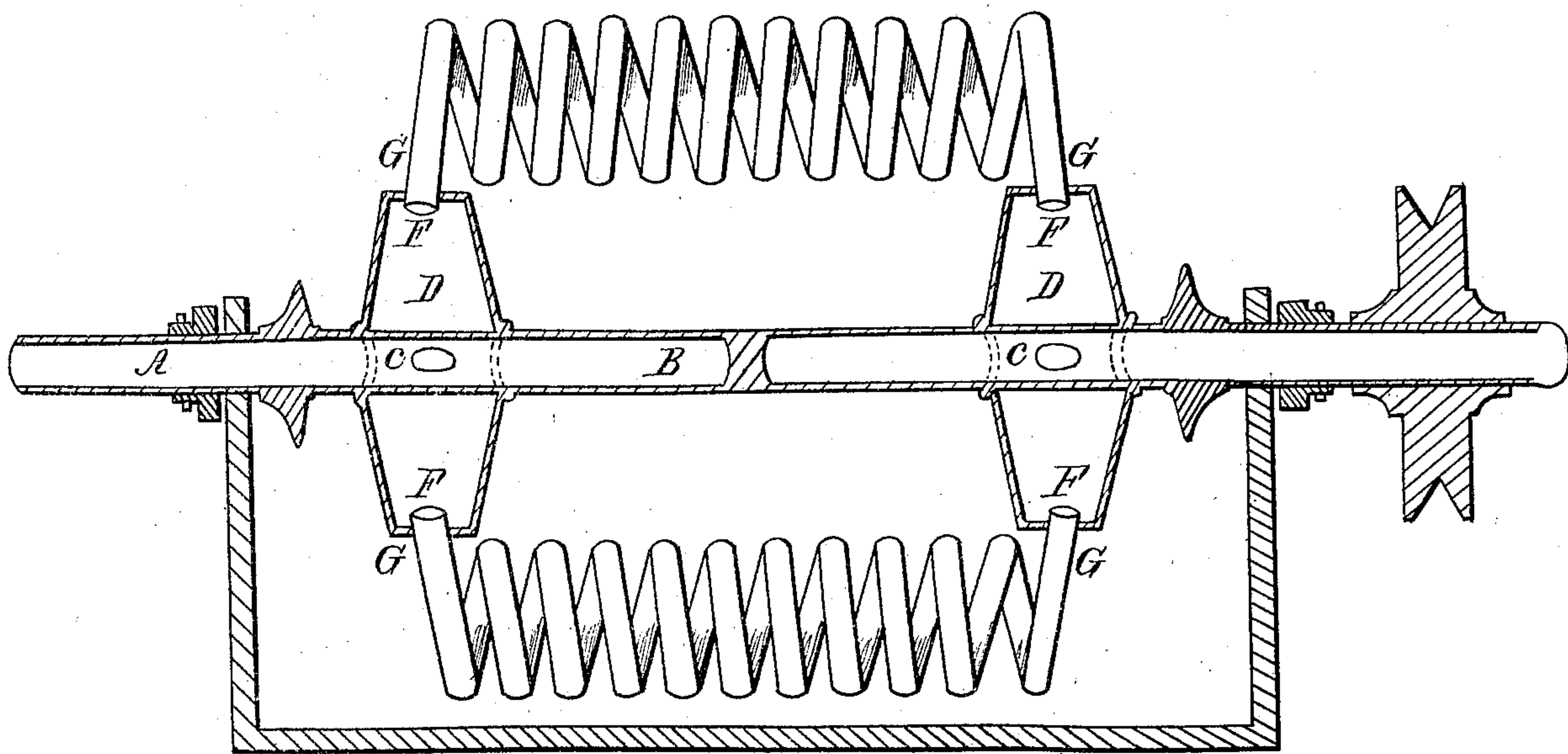
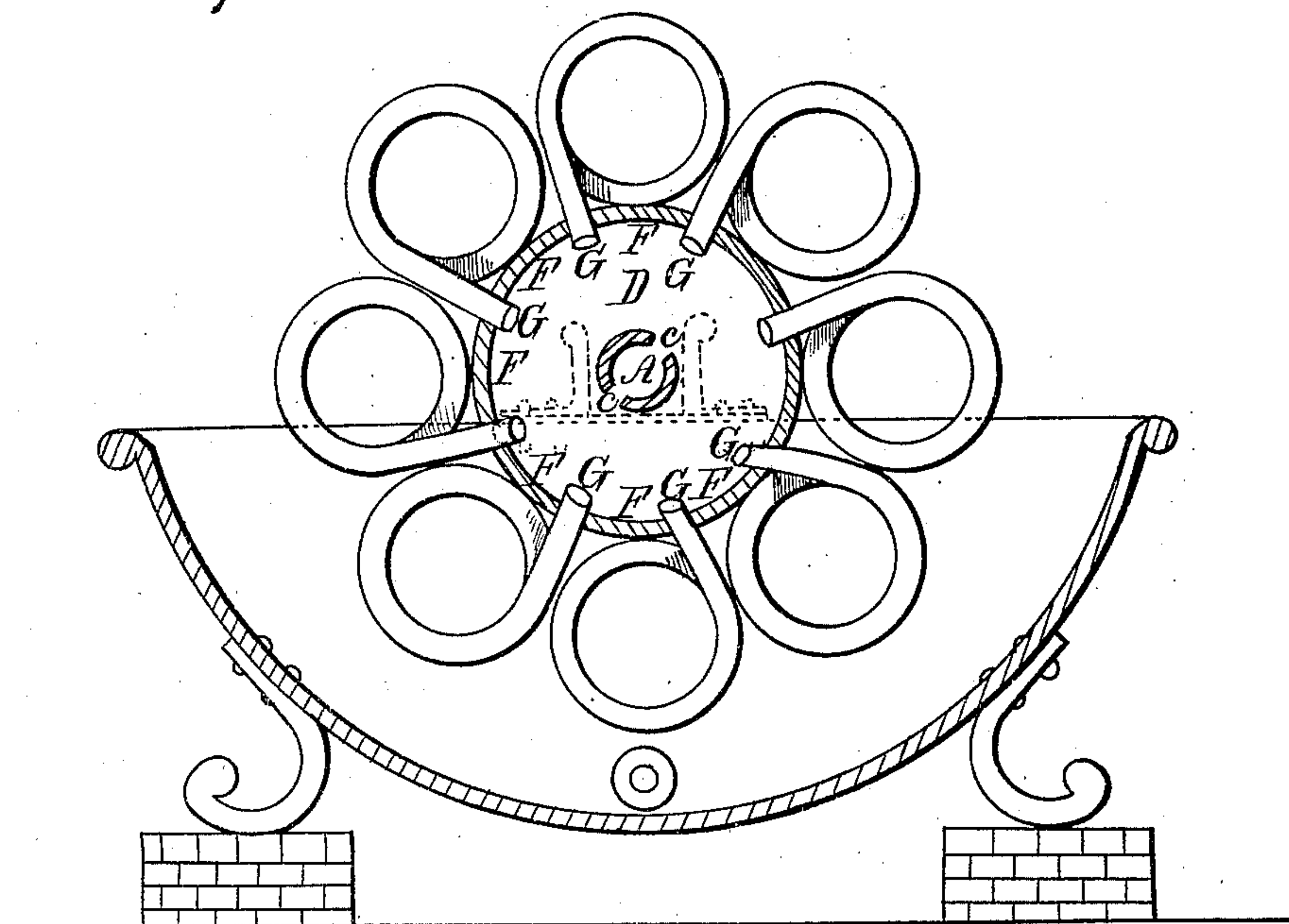


*P. J. Badoux,
Evaporator,*

Nº 78,639,

Patented June 9, 1868.



Witnesses

G W R Schneider

Julius Silversmith

Inventor

Pierre, Joseph, Badoux.

United States Patent Office.

PIERRE JOSEPH BADOUX OF NEW YORK, N. Y.

Letters Patent No. 78,639, dated June 9, 1868.

IMPROVED EVAPORATOR.

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, PIERRE JOSEPH BADOUX, of the city, county, and State of New York, have invented a new and improved Rotary Evaporator, (said the Rapid,) for all fluids to evaporate quicker without boiling than by boiling; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

To enable others skilled in the arts to make and use my invention, I will proceed to describe its construction and operation.

I construct a hollow axis, A, about six feet long, which is closed in the interior about half way at letter B, and about one foot from each end of this axis I provide one or two holes, C. I construct solidly and hermetically, on each side from the holes C, the round metallic boxes D, of about four feet in diameter, with a hole large enough so as the axis A may closely fit the same. The outer surface or periphery should be pierced in eight places, at equal distances, F, about two inches in diameter, for the reception of the hollow end of the hollow metallic spiral G, which serpentine or spiral pipes are placed horizontally, firmly, and hermetically soldered in.

By this combination, the steam, hot air, and hot water can only pass from one side to the axis A, and by the holes C, thence in the box D, and so through all hollow ends of each spiral, with the aid of the rotating axis A, which is provided with all the necessary gearing for turning the same over the vessel in any convenient manner.

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

The construction of the within-described rotary evaporator, for evaporating all fluids at a low or high temperature, by means of the hollow spirals or serpentes, with any number thereof, substantially as described and set forth.

PIERRE JOSEPH BADOUX.

Witnesses:

T. W. R. SCHNEDER,
JULIUS SILVERSMITH.