

D. P. HEAP.
Apparatus for Making Infusions.

No. 226,611.

Patented April 20, 1880.

Fig. 1.

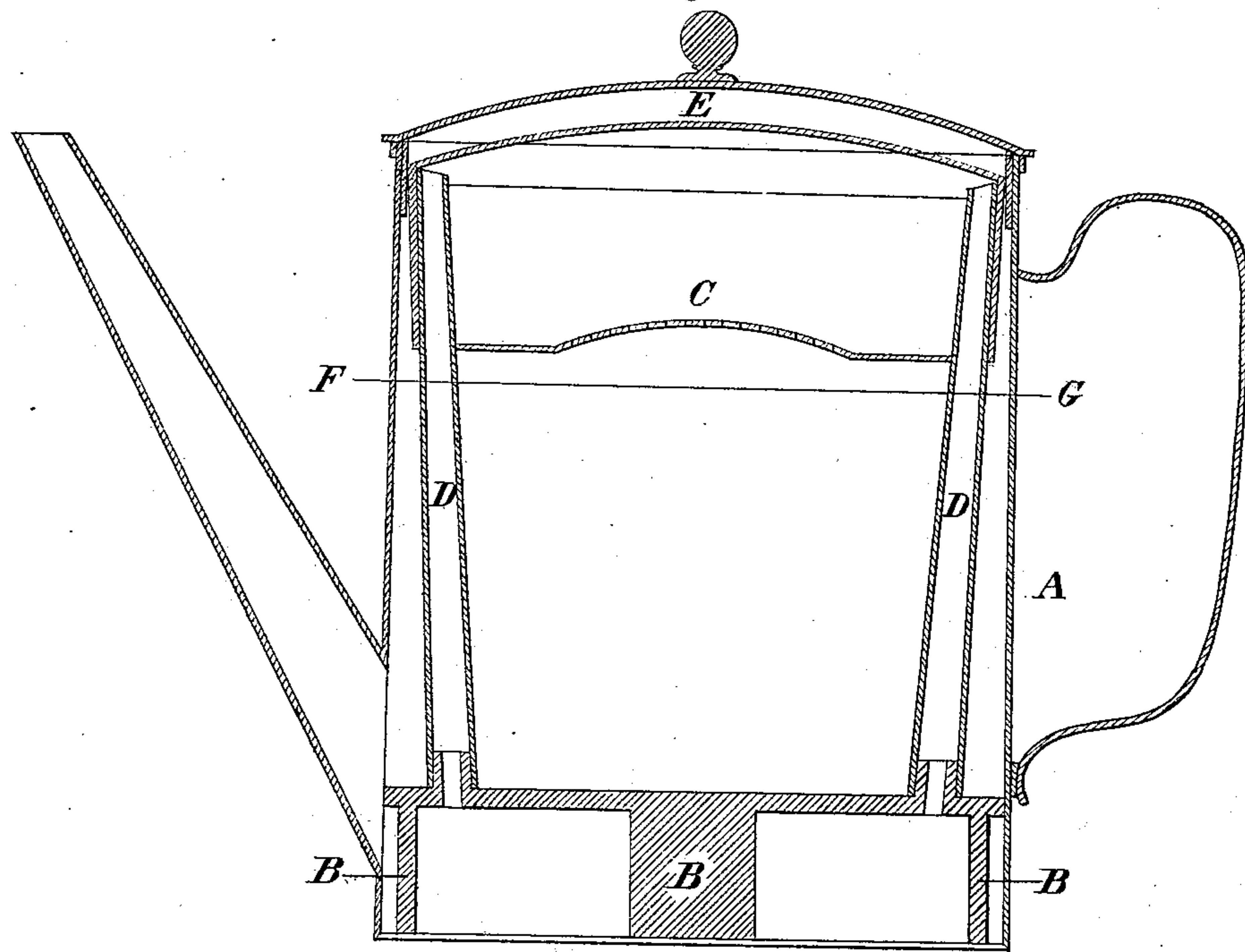


Fig. 2.

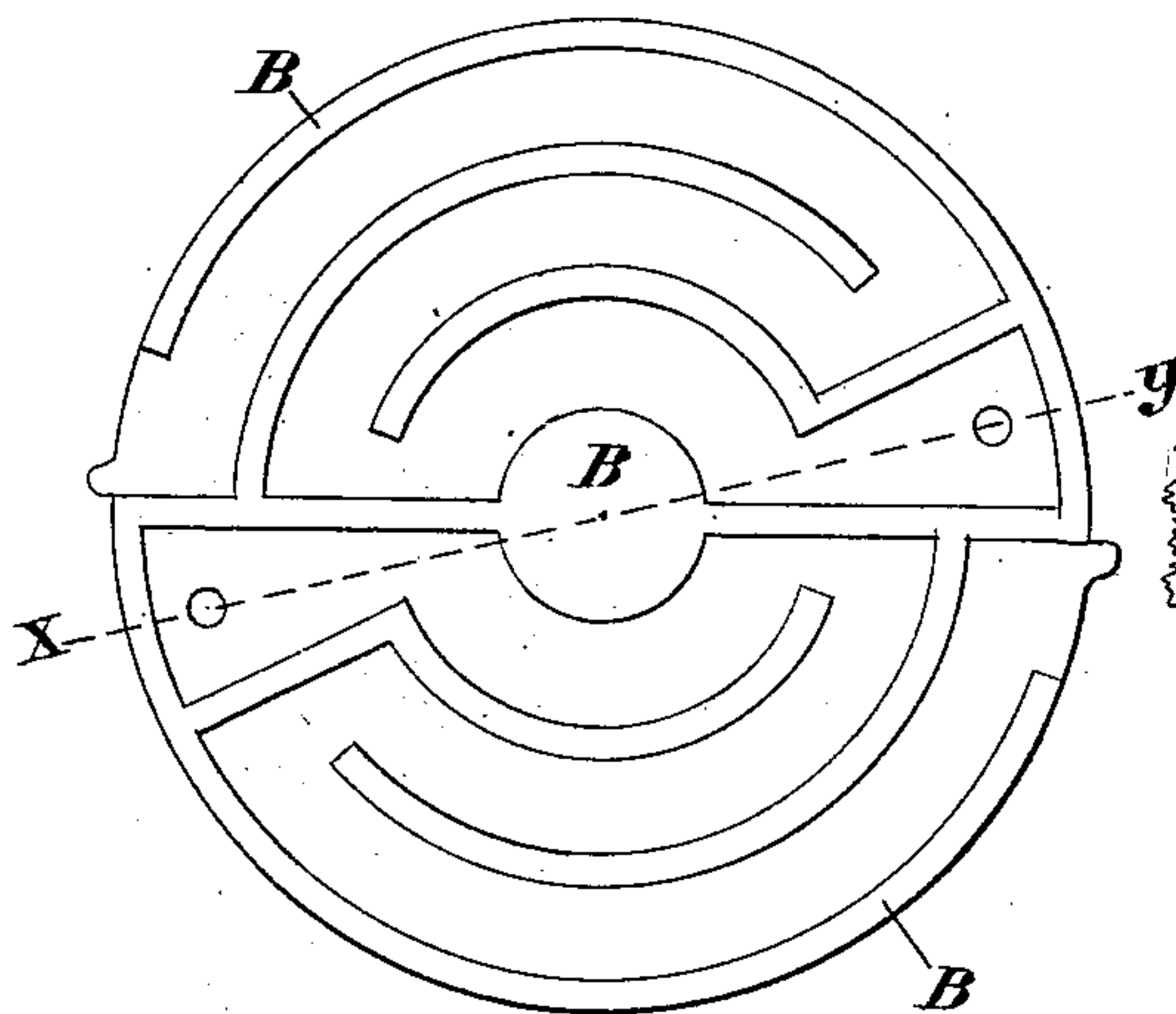
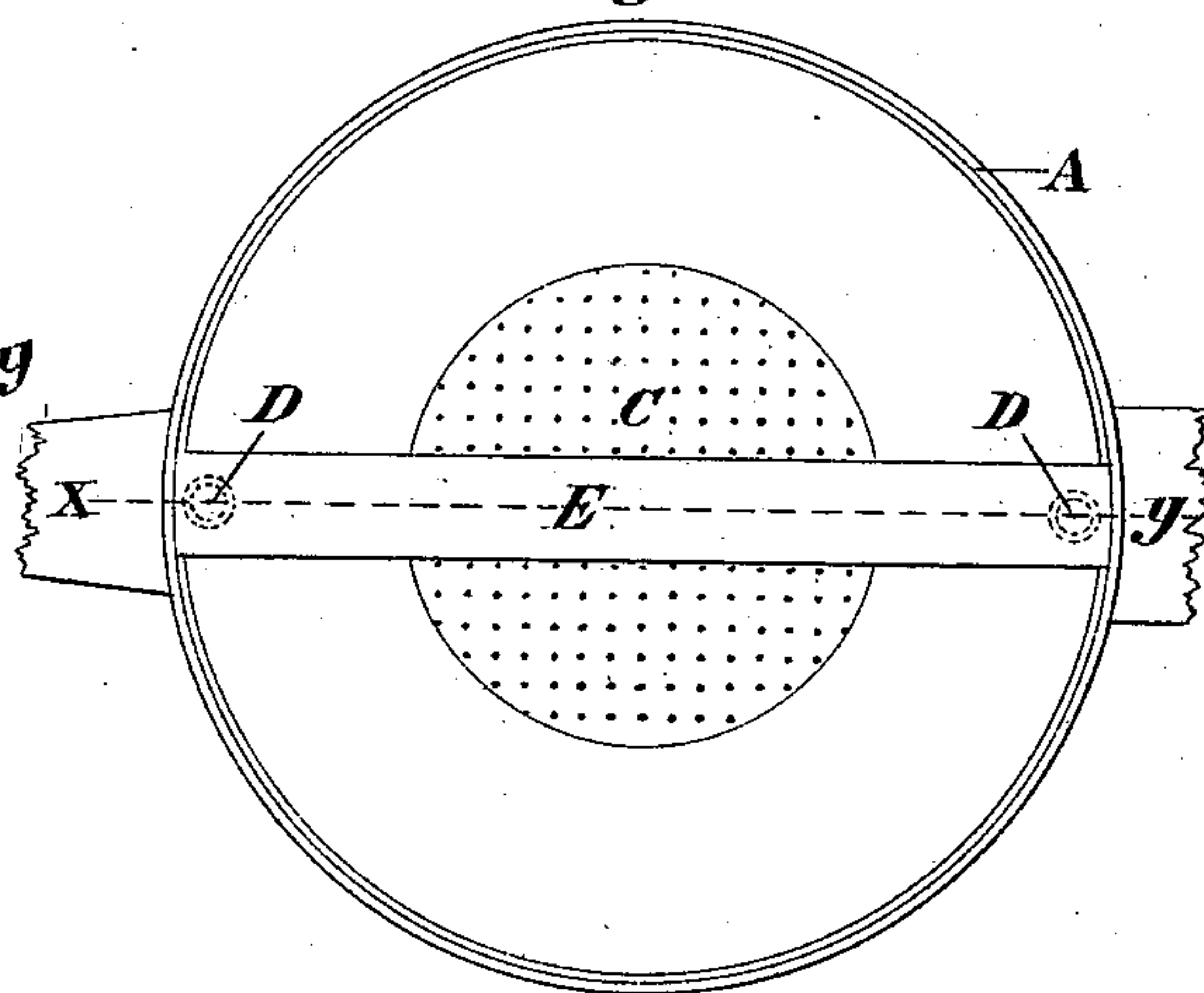


Fig. 3.



Witnesses:

H. A. Bentley
Joseph P. Cotton.

Inventor:

D. P. Heap.

UNITED STATES PATENT OFFICE.

DAVID P. HEAP, OF NEWPORT, RHODE ISLAND.

APPARATUS FOR MAKING INFUSIONS.

SPECIFICATION forming part of Letters Patent No. 226,611, dated April 20, 1880.

Application filed February 6, 1880.

To all whom it may concern:

Be it known that I, DAVID P. HEAP, of Newport, in the county of Newport, State of Rhode Island, have invented a new and
5 Improved Apparatus for Making Infusions, especially adapted for making coffee, of which the following is a specification.

My invention consists of a disk of metal or other suitable material, with flanges on the
10 under side, these flanges projecting about one inch below the metal disk, and being arranged as shown, so that there can be a free circulation of the water between them and the tubes to be mentioned, the object of the flanges being
15 to offer a large heating-surface to the water, thus causing it to boil violently underneath the disk when heat is applied, and to force the water up and through the tubes referred to, the said disk being connected, by
20 means of one or more tubes, with a filtering-cup, the bottom of said filtering-cup being perforated only in the central portion, and the said central portion being made slightly convex, so as to prevent the sediment from running
25 through it. Across the top of the filtering-cup, and immediately over the upper ends of the tubes, is fixed a strip of metal or other suitable material, against which the water from the tubes impinges and is scattered in
30 spray on the material to be infused, the said strip also serving as a handle for lifting the apparatus.

Figure 1 is a sectional elevation of my improved apparatus for making infusions, taken

on line *xy*, Figs. 2 and 3. Fig. 2 shows the
35 arrangement of the flanges on the under side of the disk, and Fig. 3 is a plan view.

The operation of the device is as follows: Water is placed in the outer shell, A, not
40 higher than the line F G. The material to be infused is placed in the filtering-cup C. Heat is then applied to the apparatus. When the water boils the steam evolved from the bottom of the shell A and from the disk B, with its
45 flanges, forces the water through the tubes D D against the strip E, from which it falls in spray on the material to be infused, and passing through it and through the filtering-cup C falls again into the body of the shell A, thus
50 keeping up a continuous circulation so long as the water boils. The bottom of the filtering-cup C being slightly convex, the sediment is deposited around its sides.

In the above similar letters of reference indicate corresponding parts.

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

The combination, with a shell, A, of the disk B, with flanges, as described, tubes D D, filtering-cup C, with convex bottom, and strip E, arranged substantially as and for the purpose specified.

DAVID P. HEAP.

Witnesses:

THOS. W. WOOD,
CHARLES H. LAWTON.