

J. SMYTHE.

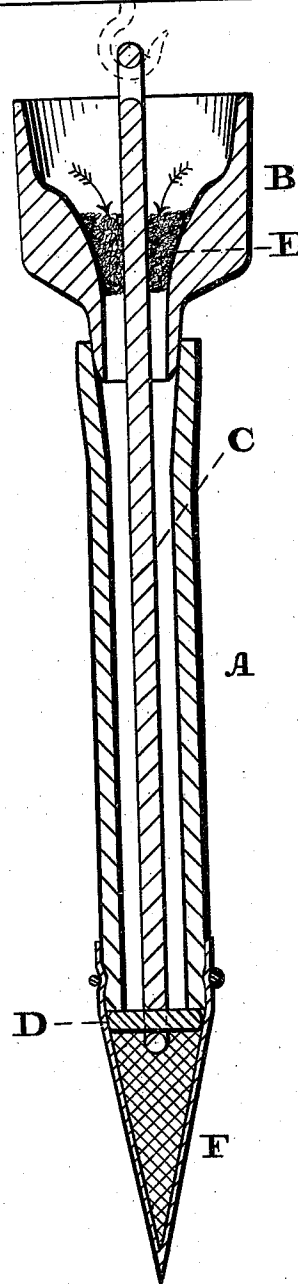
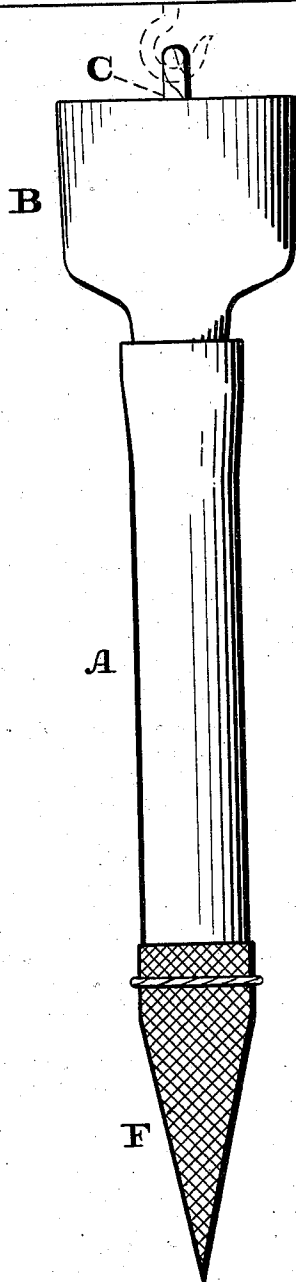
HOUSEHOLD VINEGAR-MAKER.

No. 173,358.

Patented Feb. 8, 1876.

Fig. 1.

Fig. 2.



Witnesses:

L. F. Broun,
Ac. P. Grant.

Inventor:

Job Smythe,
by James Diederhine
Atty.

UNITED STATES PATENT OFFICE.

JOB SMYTHE, OF HALLSPORT, NEW YORK.

IMPROVEMENT IN HOUSEHOLD VINEGAR-MAKERS.

Specification forming part of Letters Patent No. **173,358**, dated February 8, 1876; application filed July 31, 1875.

To all whom it may concern:

Be it known that I, JOB SMYTHE, of Hallsport, in the county of Allegany and State of New York, have invented a new and useful Household Vinegar-Maker; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side view of the device embodying my invention. Fig. 2 is a central vertical section thereof.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists of a tube or cylinder with a narrow bore and a cord running there-through in connection with a strainer at the bottom of the tube, and a mouth at the top thereof, in the neck of which is a packing of cotton, sponge, or similar substance, whereby any liquor that is capable of being converted into vinegar being poured into the mouth will slowly percolate through the packing into the tube, and from thence slowly percolate through the bottom strainer, whereby the particles of the liquor will be thoroughly exposed to the atmosphere, and owing to action of the oxygen and carbonic acid therein acetous fermentation of the liquor will be caused.

Referring to the drawings, A represents a tube, which may be formed of any suitable material, and at its upper end a mouth or receiver, B, which communicates with the tube. C represents a cord, which is fitted within the tube A, and its lower end is connected to a cross-piece, D, which is stretched across the bottom of the tube, so as to prevent the up-

ward displacement of the cord. In the neck of the mouth B there is placed a packing, E, of cotton, sponge, or other suitable material, and to the bottom of the tube A there is secured a strainer, F.

The device will be suspended from the ceiling or other proper place, preferably by means of the cord C, and in this condition the vinegar-making operation may begin.

The liquor that is employed is such as is capable of being converted into vinegar, and it is poured into the mouth B, from whence it slowly percolates through the packing E into the tube A, and trickles slowly down the cord C, from the bottom of which it falls, drop by drop, into the strainer F, and thence percolates slowly through said strainer to a place of collection.

In these movements of the liquor the particles thereof are slowly and entirely exposed to the action of the atmosphere, so that the chemical effect of the oxygen and carbonic acid therein will cause an acetous fermentation of the liquor, the result of which is pure vinegar.

The device as constructed will be found especially serviceable for household purposes.

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

The apparatus for making vinegar, the same consisting of the tube A, with mouth B and packing E therein, in combination with the cord C and strainer F, substantially as and for the purpose set forth.

JOB SMYTHE.

Witnesses:

C. P. SMYTHE,
SMITH DEXTER, Jr.