

L. Hildenbrand, Coffee Steamer.

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Fig. 1.

PATENTED DEC 6 1870

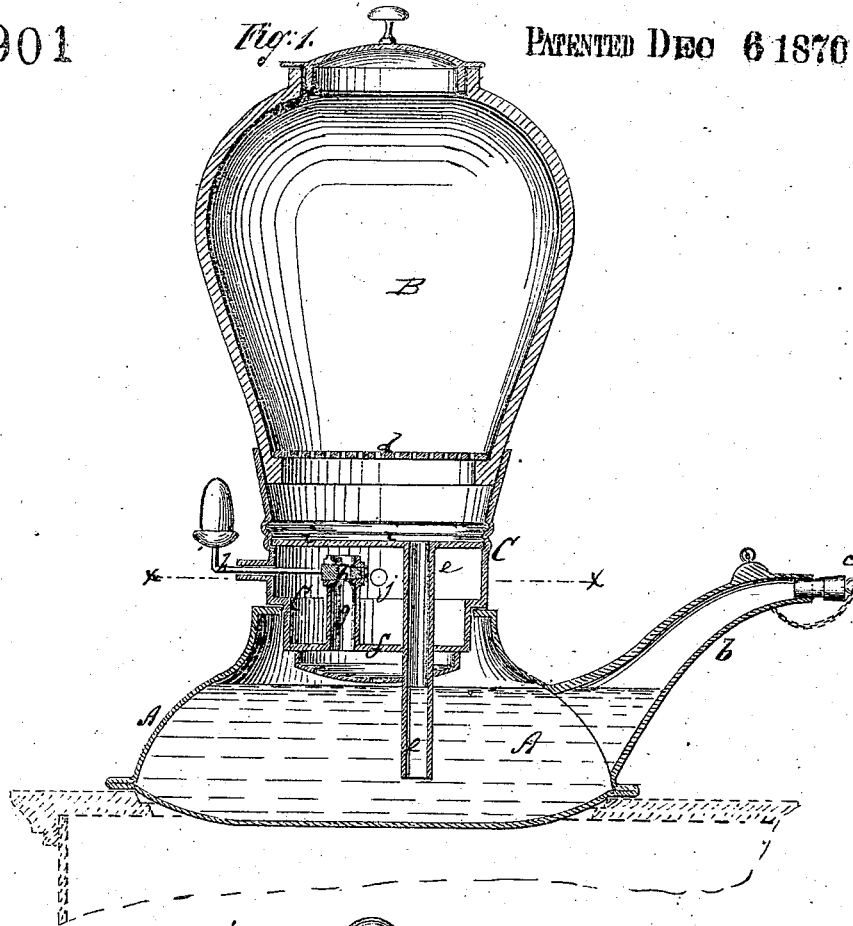
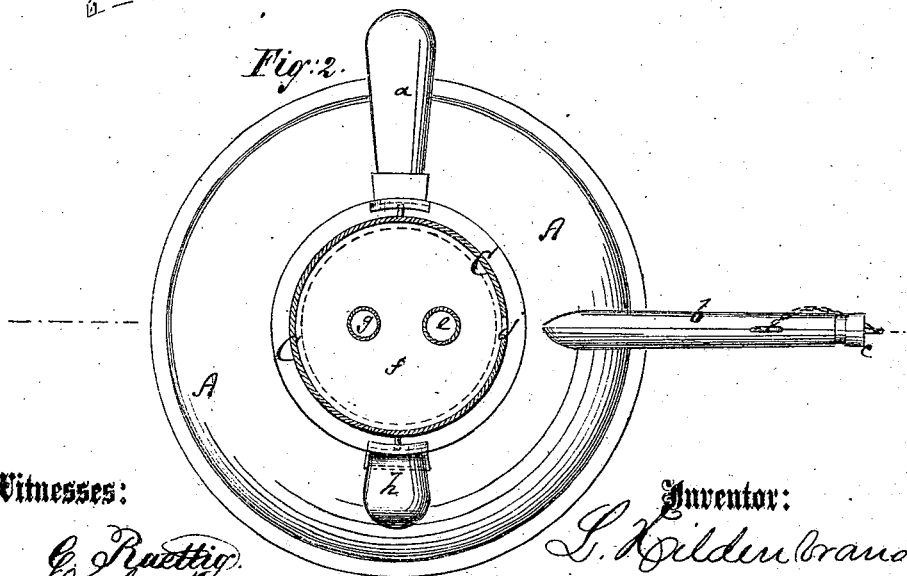


Fig. 2.



Witnesses:

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LOUIS HILDENBRAND, OF MICHIGAN CITY, INDIANA.

Letters Patent No. 109,901, dated December 6, 1870.

IMPROVEMENT IN COFFEE-POTS.

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, LOUIS HILDENBRAND, of Michigan City, in the county of La Porte and State of Indiana, have invented a new and improved Coffee-Steamer; 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, in which—

Figure 1 represents a vertical central section of my improved coffee-steamer.

Figure 2 is a horizontal section of the same, taken on the plane of the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new apparatus for rapidly extracting the aromatic ingredients from coffee-beans by means of steam created by the heat of a stove or other heater, with an object of utilizing the full virtue of the beans, and consequently economizing coffee and producing a beverage superior to that made by any of the means heretofore in use.

My machine consists of two main vessels A and B.

The lower vessel, A, contains the water required for boiling, and is provided with a handle, *a*, and discharge-spout *b*, which latter is closed by a stopper, *c*, to prevent the escape of steam.

The upper vessel, B, which is made of sheet metal, glass, or other suitable material, contains a perforated false bottom, *d*, and fits at its lower end into a cylindrical case, C, of greater or less length.

Through this case passes a vertical pipe, *e*, open at both ends, for conveying steam to the upper vessel.

The bottom of the case C is closed by a plate, *f*, and the top by a plate, *i*, a flange extending upward beyond said plate *i* to receive and hold the vessel B

g is a pipe extending from the plate *f* up into the case C, and provided with a valve, *h*, by which it can be closed.

When the steam is created in the lower vessel it ascends into the pipe *g* and produces therein a suitable alarm, either by means of a whistle or other instrument.

The valve *h* is then closed and the steam is thereby forced to ascend in the pipe *e* and to enter the vessel B through the sieve *d*, boiling the coffee on said sieve and extracting the aroma therefrom.

By opening the valve *h* the steam will be discharged into the case C, and escape thence through an orifice, *j*.

The vessels B and C may be rigidly united, while the case C may be fitted upon A by screw-thread or other fastening.

When the vessel is taken from the fire the extract of coffee will enter the vessel A, and can thence be poured into cups.

A strainer or perforated plate may be applied to the lower end of the pipe *g* to prevent particles of coffee, that might accidentally have found their way into the chamber A, from being carried up into the pipe *g* and clogging the valve.

Having thus described my invention,

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

The coffee-steamer, composed of the vessels A B, intermediate case C, and pipes *e g*, all arranged to operate substantially as herein shown and described.

LOUIS HILDENBRAND.

Witnesses:

WM. SCHOENEMANN,
JOHN BAUMGARTEN.