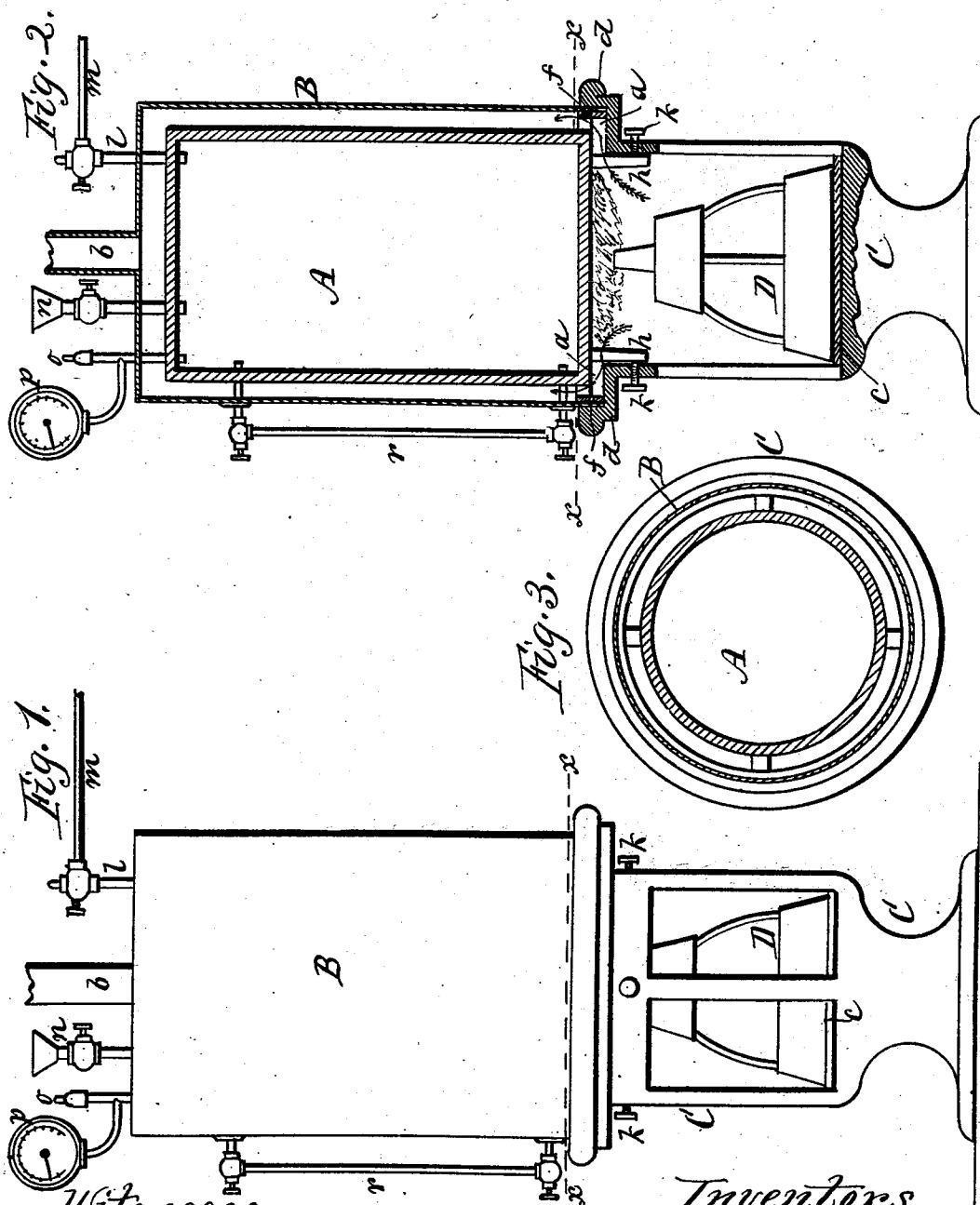


(No Model.)

C. J. O'CONNOR & C. REISKY.
APPARATUS FOR CLEANING BEER PIPES.

No. 509,235.

Patented Nov. 21, 1893.



Witnesses.

C. G. Crammell
R. A. Lenth

Inventors.

Chas. J. O'Connor,
Chas. Reisky,
per R. F. Osgood,
Atty.

UNITED STATES PATENT OFFICE.

CHARLES J. O'CONNOR AND CHARLES REISKY, OF ROCHESTER, NEW YORK,
ASSIGNORS TO JOHN SELLINGER, OF SAME PLACE.

APPARATUS FOR CLEANING BEER-PIPES.

SPECIFICATION forming part of Letters Patent No. 509,235, dated November 21, 1893.

Application filed March 10, 1893. Serial No. 465,457. (No model.)

To all whom it may concern:

Be it known that we, CHARLES J. O'CONNOR and CHARLES REISKY, of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Apparatus for Cleaning Beer-Pipes; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the drawings accompanying this specification.

Our improvement relates to boilers for cleaning beer pipes by means of a jet of steam forced through the pipes. Apparatus of this kind is known, usually consisting of a boiler mounted on a carriage and driven from place to place, but portable apparatus carried by hand is also known.

This invention relates to the last named class, and consists in the construction and arrangement hereinafter described and embodied in the claims.

In the drawings, Figure 1 is an elevation of the apparatus. Fig. 2 is a central, longitudinal, vertical section. Fig. 3 is a horizontal, cross section in line *xx* of Figs. 1 and 2.

A indicates the boiler proper, which is a cylindrical vessel closed at both ends.

B is a jacket of galvanized iron which entirely incloses the boiler except at the bottom, where it is left open forming an annular passage *a* through which the products of combustion ascend to the top, surrounding the sides of the boiler, and there escape through a chimney *b*.

C is a stand for supporting the boiler when in use. It is made open at the sides and is provided with a shelf *c*, on which is placed an ordinary gasoline lamp D, by the use of which heat is applied to the boiler.

The top of the stand C is provided with a right-angled seat *d*, of sufficient diameter to receive the bottom of both the boiler and its surrounding jacket, and of such depth as to firmly seat the boiler in place. The bottom of the jacket B extends some distance below the bottom of the boiler, and is stiffened by a cast rim *f*, by which means it rests on the bottom of the seat *d* of the stand, and holds the bottom of the boiler elevated above the seat so that the heat can pass around it and up into the jacket space. This is clearly shown in the sectional view Fig. 2. The bottom of

the boiler is also provided with two or more downwardly projecting lugs *h*, which extend down into the stand, fitting closely to the sides thereof, and held by set screws *k k*, which pass through the sides of the stand. By this means the boiler is made fast to the stand whenever occasion requires, and it obviates the danger of overturning.

The apparatus is frequently used in contracted places where it is difficult to operate, and where there is more or less liability of disarranging the boiler. The steam is let off through a discharge pipe *l*, into a service pipe *m*, and the latter is provided with a nozzle at its end which is inserted into the pipes to be blown out. It has also a filling tube *n*, a blow off valve *o*, a steam gage *p*, and a water gage *r*.

Having described our invention we do not claim broadly a boiler provided with a discharge pipe for injecting steam into beer pipes. Neither do we claim broadly a boiler with an exterior jacket. Neither do we claim broadly a boiler resting in a supporting stand.

What we claim as new, and desire to secure by Letters Patent, is—

1. In an apparatus for cleaning beer pipes, the combination, with the supporting stand C provided with the seat *d*, and with the boiler A, of the inclosing jacket B extending below the boiler and resting on the seat, and the stiffening rim *f* at the bottom of the jacket, as shown and described and for the purpose specified.

2. In an apparatus for cleaning beer pipes, the combination, with the supporting stand C, of a boiler provided with projecting legs *h h* extending down inside the stand, an inclosing jacket B extending below the boiler and resting upon the seat so as to elevate the bottom of the boiler above the seat, and set screws *k k* clamping against the legs for securing the boiler to the stand, as shown and described and for the purpose specified.

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

CHARLES J. O'CONNOR.
CHAS. REISKY.

Witnesses:

R. F. OSGOOD,
CHAS. A. WIDENER.