

No. 631,180.

Patented Aug. 15, 1899.

W. A. SCHMIDT.
CLEANSING APPARATUS.

(Application filed June 5, 1899.)

(No Model.)

Fig. 1.

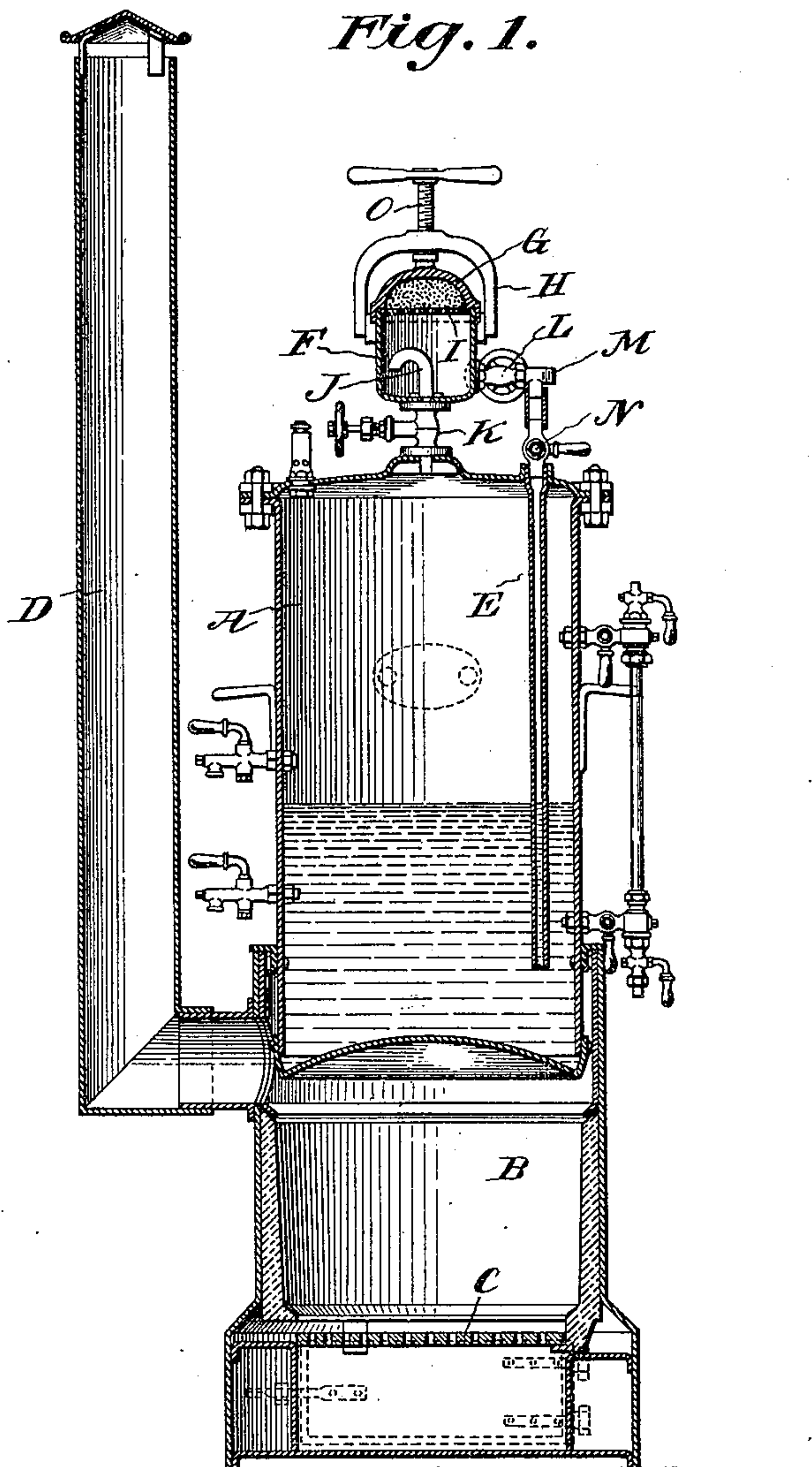
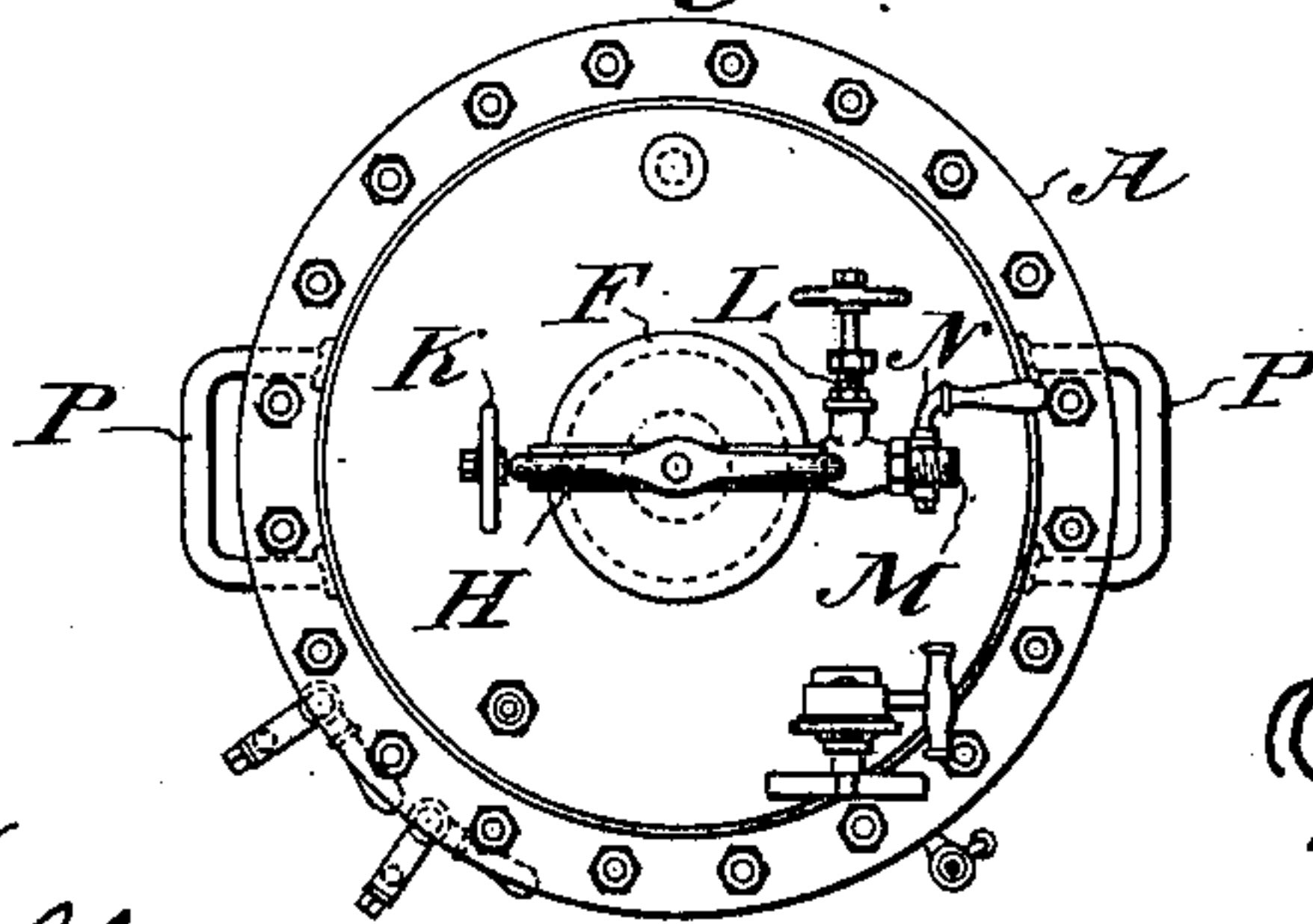


Fig. 2.



WITNESSES:

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WILLIAM A. SCHMIDT, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
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CLEANSING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 631,180, dated August 15, 1899.

Application filed June 5, 1899. Serial No. 719,392. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. SCHMIDT, of the city of New York, borough of Manhattan, in the county of New York and State of New York, have invented a new and Improved Cleansing Apparatus, of which the following is a full, clear, and exact description.

My invention relates to an improvement in cleansing apparatus designed particularly for use in cleansing beer-pipes; and it consists of a boiler having a retort connected therewith adapted to receive certain cleansing chemicals and certain pipe connections by means of which the same may be conveniently utilized.

My invention comprises the novel features hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a sectional elevation of my device, and Fig. 2 is a plan thereof.

The object of my invention is to produce a portable apparatus by means of which steam may be generated and hot water supplied to be introduced to the pipes through which beer and similar liquids are conveyed from the kegs to the faucets, mixing therewith at the same time certain cleansing chemicals by which the operation is facilitated. With this object in view the boiler is made comparatively small and is provided with handles P, by which it may be moved to the point where its use is desired.

Beneath the boiler A is constructed a furnace B, having a grate C and a smoke-pipe D. Through the top of the boiler extends a pipe E, the lower end of which is beneath the surface of the water, said pipe extending to near the bottom of the boiler. When the boiler is placed in use, it is filled approximately half-full of water.

Above the boiler is placed a retort F, which is provided with a removable cover G and perforated partition I, thus forming an upper chamber, within which the cleansing chemical is placed. The cover G is held in place

by means of a yoke H and a screw O, so that the connection between the cover and retort may be made steam-tight. The retort is connected with the steam-space of the boiler by means of a valve connection K, which discharges steam into the retort through a short upwardly-extending bent pipe J.

Connection is made with the beer-pipes which are to be cleansed by a pipe M, which is connected by means of a valve N with the pipe E, which terminates beneath the water-level of the boiler, and also by means of the valve L with the lower portion of the retort F, so that by opening the valve N water may be forced into the pipes and by opening the valves L and K and closing the valve N steam may be forced through the pipes. In doing this the steam will gradually dissolve the chemicals contained in the retort and carry them along into the pipe. By properly manipulating these valves either water or steam, or a mixture of the two, may be forced into the pipes. In this manner the pipes may be thoroughly cleansed of all their impurities.

The device is of sufficient capacity to clean several pipes with one filling of water. It is also of sufficiently small size that it may be easily moved from one point to another, so as to be brought close to the pipes to be cleaned. In heating the water the device may be left out of doors, where the smoke will not be offensive.

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

1. A cleansing and fumigating apparatus, comprising a portable boiler, a retort having a valved connection with the steam-space of the boiler and having a removable cap, a pipe entering the boiler and extending beneath the water therein, and a delivery-pipe having a valved connection with both the pipe entering the boiler and with the retort, substantially as described.

2. A cleansing and fumigating apparatus, comprising a portable boiler, a retort having a removable cap, and a perforated partition

dividing the retort into two parts, the upper part being adapted to receive cleansing or purifying chemicals and the lower part having a valved connection with the boiler, a pipe
5 entering the boiler and extending beneath the water therein, and a delivery-pipe having a valved connection with both the pipe enter-

ing the boiler and with the retort, substantially as described.

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Witnesses:

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