H. Blackburn.
Beer Coil Cleaner.
Application filed Nov. 17, 1905.
To all whom it may concern:

Be it known that I, Harvey Blackburn, of Evansville, Indiana, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented a new and useful Beer-Coil Cleaner, of which the following is a specification.

My invention relates to certain new and useful improvements in beer coil cleaners and has for its object to provide a device which is very simple and cheap in construction, and one which is very effective in use.

Another object of my invention is to provide a device which can be easily and quickly attached without disconnecting the coil from the faucet, and one that will clean the coil thoroughly in a very short time.

Another object of my invention is to provide a three-way valve in connection with the device so that the air and cleaning fluid can be easily controlled.

With these objects in view, the invention consists of the novel features of construction, combination and arrangement of parts hereinafter fully described and pointed out in the claims.

In the drawings forming a part of this specification.—Figure 1 is a perspective view of the device attached to the coil and faucet. Figs. 2 and 3 are sectional views of the valve showing the plugs turned in different positions. Fig. 4 is a section view of the rubber coupling. Fig. 5 is a sectional view of one of the jar caps.

Referring to the drawings A and B, indicate a pair of glass jars, in which the cleaning fluid is adapted to be placed. The jars are provided with screw-threaded necks, on which metal caps A' and B', are adapted to be secured. The caps are provided with threaded openings A" and B", and extend down in the jar adjacent the bottom. Rubber tubes C' and D', are connected to the upper end of these pipes, the tube C', being adapted to be connected to the end of the coil R, and the pipe D', is provided with an elastic coupling D", which is adapted to fit over the faucet S.

Curved pipes E and F, are arranged in the openings A" and B", and are connected to the ports G" and G", of the valve G, which is also provided with a port G', which is connected to a rubber tube H', leading from the air tank H. Exhaust ports G" and G", are formed in the valve between the ports G" and G", for the purpose hereinafter described.

The valve is provided with a turning plug G", provided with passage-ways G", and G". The passage-way G", being adapted to be turned by the handle G', so as to connect the air port G", with either one of the ports G" or G", as desired. It will be seen that when the port G" is connected to the port G", the port G", will be connected to the exhaust port G", or vice-versa so as to allow the air to escape from the jar, in which the cleaning liquid is entering as to prevent any back pressure.

From the foregoing description it will be seen that I have provided a very simple and cheap device in which the cleaning fluid can be forced back and forth through the coil, by merely turning the handle of the valve as the direction of the fluid is regulated by the position of the handle, and is shown by arrows in Fig. 1, passing in one direction.

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

1. In a device of the kind described, the combination with jars adapted to contain cleaning fluid, of tubes carried by said jars adapted to be connected respectively to the ends of a coil, pipes connecting said jars carrying a valve provided with an exhaust and an air tank connected to said valve by a tube said tank adapted to contain compressed air for forcing the liquid out of one jar through the coil to the other jar.

2. In a device of the kind described, the combination with a pair of jars carrying rubber tubes adapted to be connected to the coil, of pipes extending upwardly, from said jars, a valve casing connected to said pipes provided with exhaust ports, and an air tank connected to said valve casing, and a plug provided with passage-ways arranged in said valve casing, for the purpose described.

3. In a device of the kind described, the
combination with jars provided with rubber tubes, of pipes connected to said jars, a three-way valve casing connected to said pipes provided with exhaust ports, an air tube connected to said valve casing, and a plug, mounted in said valve casing provided with passage-ways adapted to connect the air tube with the other pipes, for the purpose described.

HARVEY BLACKBURN.

Witnesses:

Wm. J. Woolley,
E. B. De Champ.