

(No Model.)

L. O. CROCKER.
FEED WATER STRAINER FOR BOILERS.

No. 432,793.

Patented July 22, 1890.

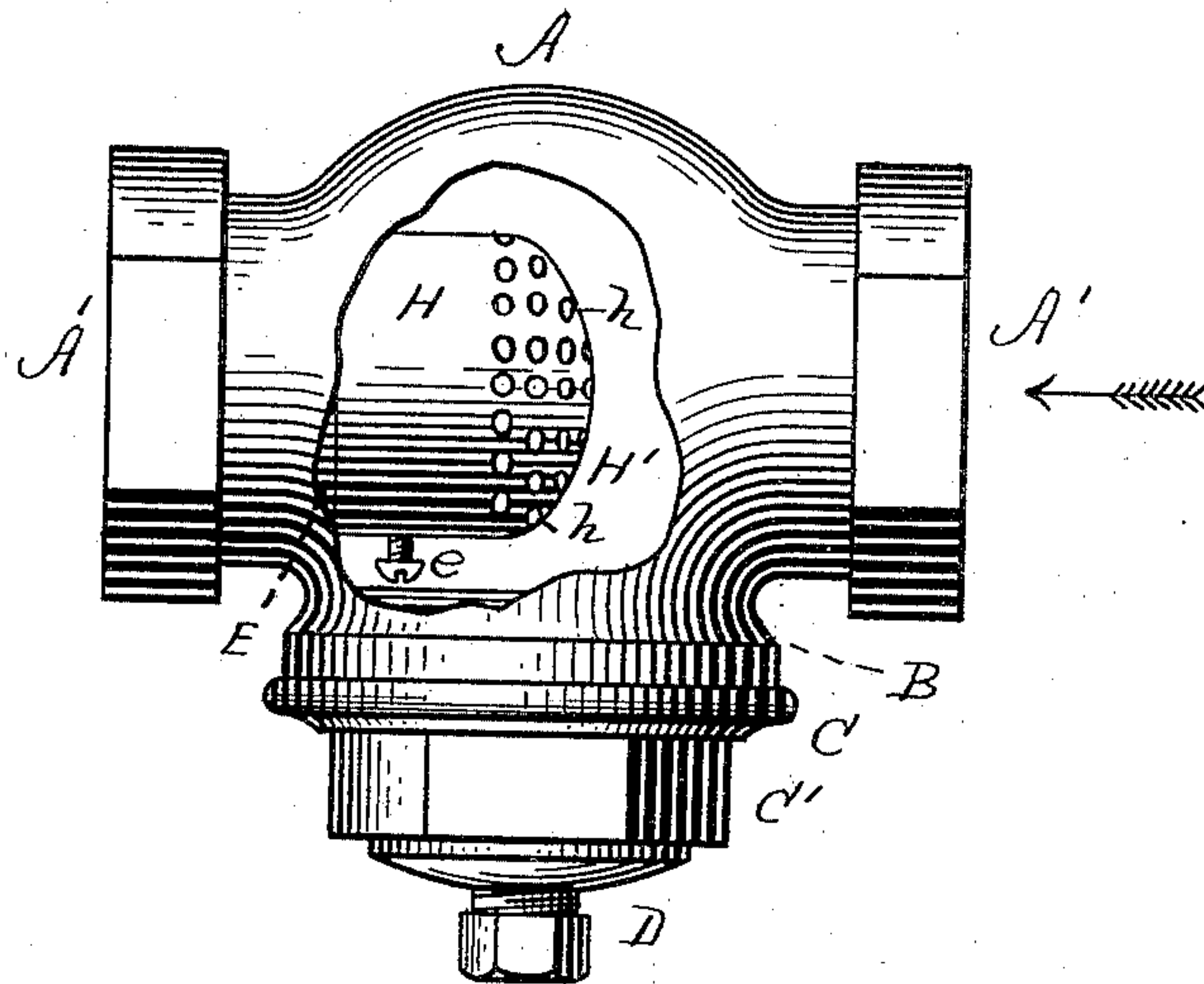
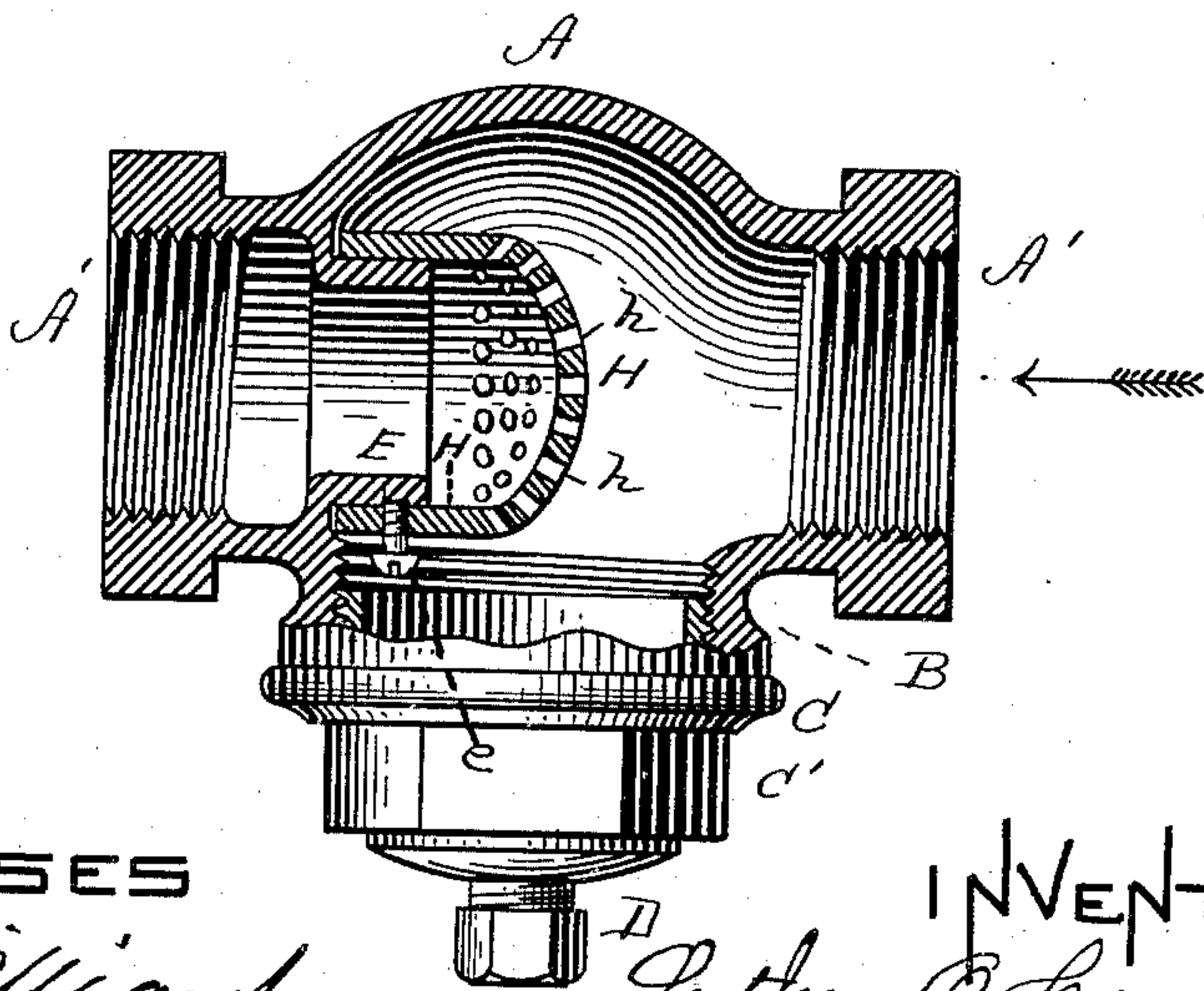


FIG. 1.



WITNESSES
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INVENTOR.
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FIG. 2. By his Atty.,
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UNITED STATES PATENT OFFICE.

LUTHER O. CROCKER, OF BRAINTREE, MASSACHUSETTS.

FEED-WATER STRAINER FOR BOILERS.

SPECIFICATION forming part of Letters Patent No. 432,793, dated July 22, 1890.

Application filed May 2, 1890. Serial No. 350,329. (No model.)

To all whom it may concern:

Be it known that I, LUTHER O. CROCKER, of Braintree, in the county of Norfolk and State of Massachusetts, have invented a new and
5 useful Improvement in Feed-Water Strainers for Boilers, of which the following is a specification.

This invention relates to a strainer or straining device applied to the feed-pipe of a water-
10 meter or boiler, whereby the scale, rust, vegetable matter, &c., is intercepted and retained until it can be conveniently removed, and thus a straight-way globe water-cleaner produced in which the strainer or cup can be re-
15 moved and cleansed easily and quickly.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a plan view of a device embodying my invention, a portion being represented
20 as broken out. Fig. 2 is a view, part in horizontal section and part in plan, of the same.

A represents a section of a pipe or globe whose ends A' are internally screw-threaded, so that they may be screwed onto the feed-
25 pipe of a water-meter or boiler. This globe is provided with an integral extension B, internally screw-threaded to receive a correspondingly-threaded cap C, of shape at C' to be operated by a wrench. This cap is centrally
30 provided with a removable plug D. Inside the globe A is a horizontal annular flange E.

The strainer proper consists of a cup, the portion H of which is annular in vertical section, and of shape to slip readily over and fit

upon the flange E, while the portion H' is 35 convexo-concave and provided with numerous perforations *h*. The strainer is held in position on the flange by means of a set-screw *e*.

To apply or remove the strainer, unscrew the cap C and operate the set-screw *e*. To
40 blow off the pipe, remove the plug D. A pipe of any kind may be applied to the cap C in the aperture occupied by the plug.

Among the advantages of the device are its simplicity, its compactness, and the ease with
45 which the strainer can be reached and the pipe blown off, and the strainer removed, cleansed, and replaced.

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

The herein-described improved straight-way globe water cleaner or strainer, comprising the globe A A', provided with the internal
55 flange or extension E, the convexo-concave strainer or cup H, perforated at *h*, and removably held in place over and upon said flange or extension by means of the set-screw *e*, and the pipe B, provided with the cap C C',
60 by means of which the strainer can be removed for cleansing, and replaced, all constructed and arranged substantially as set forth.

LUTHER O. CROCKER.

Witnesses:

HENRY W. WILLIAMS,
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