

(No Model.)

J. H. WARD.

WATER COOLER.

No. 327,361.

Patented Sept. 29, 1885.

Fig. 1.

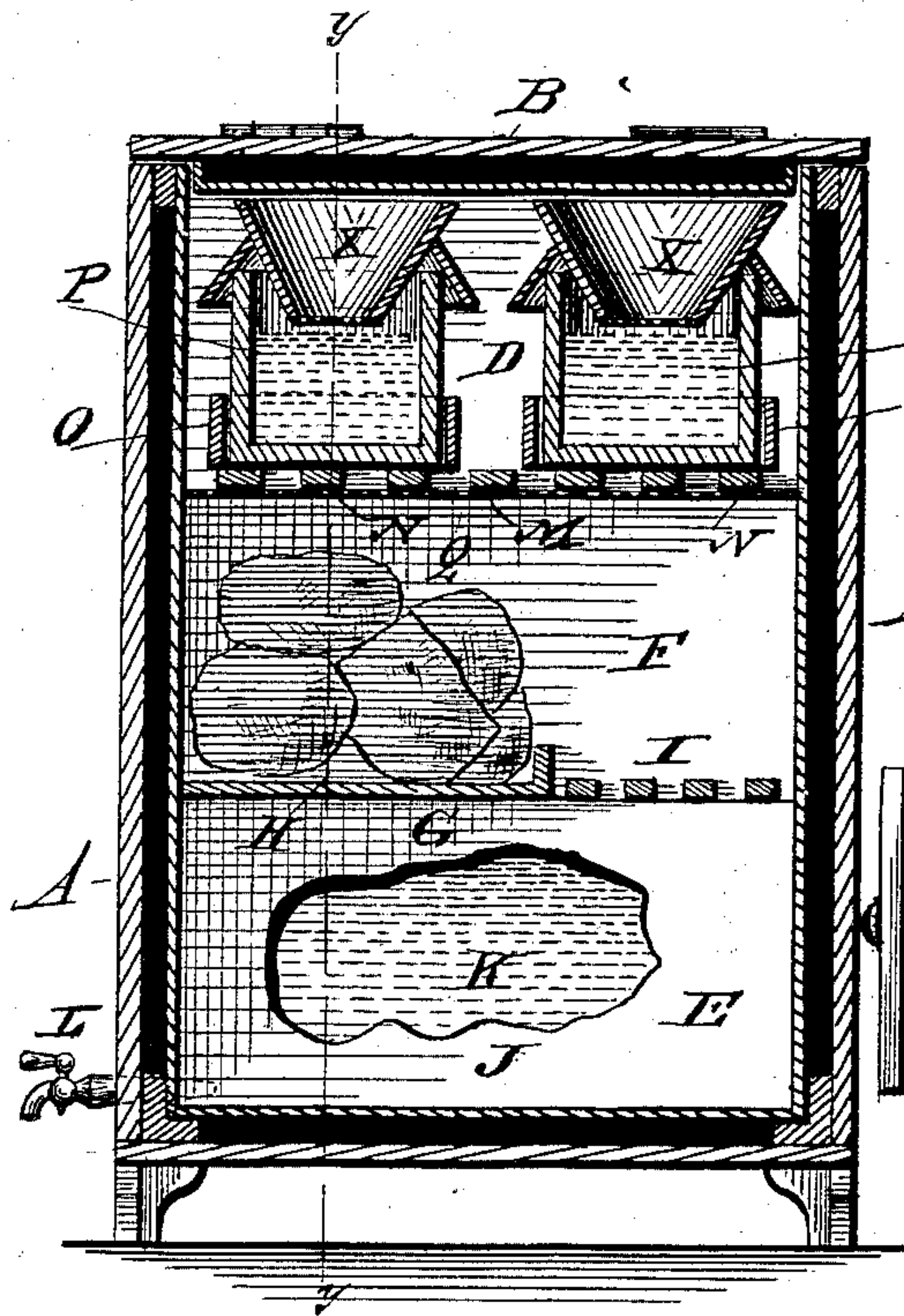


Fig. 2.

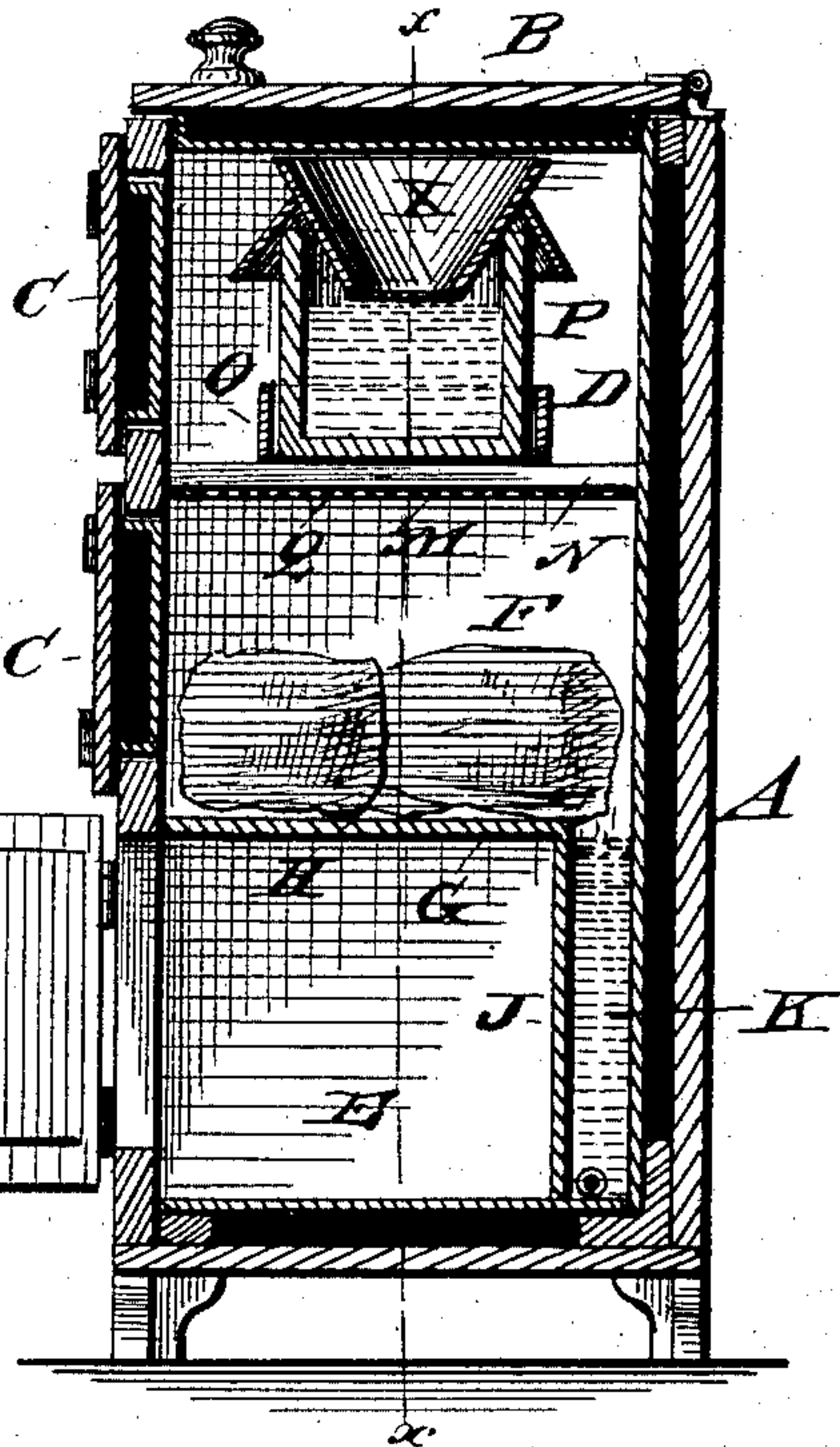


Fig. 3.

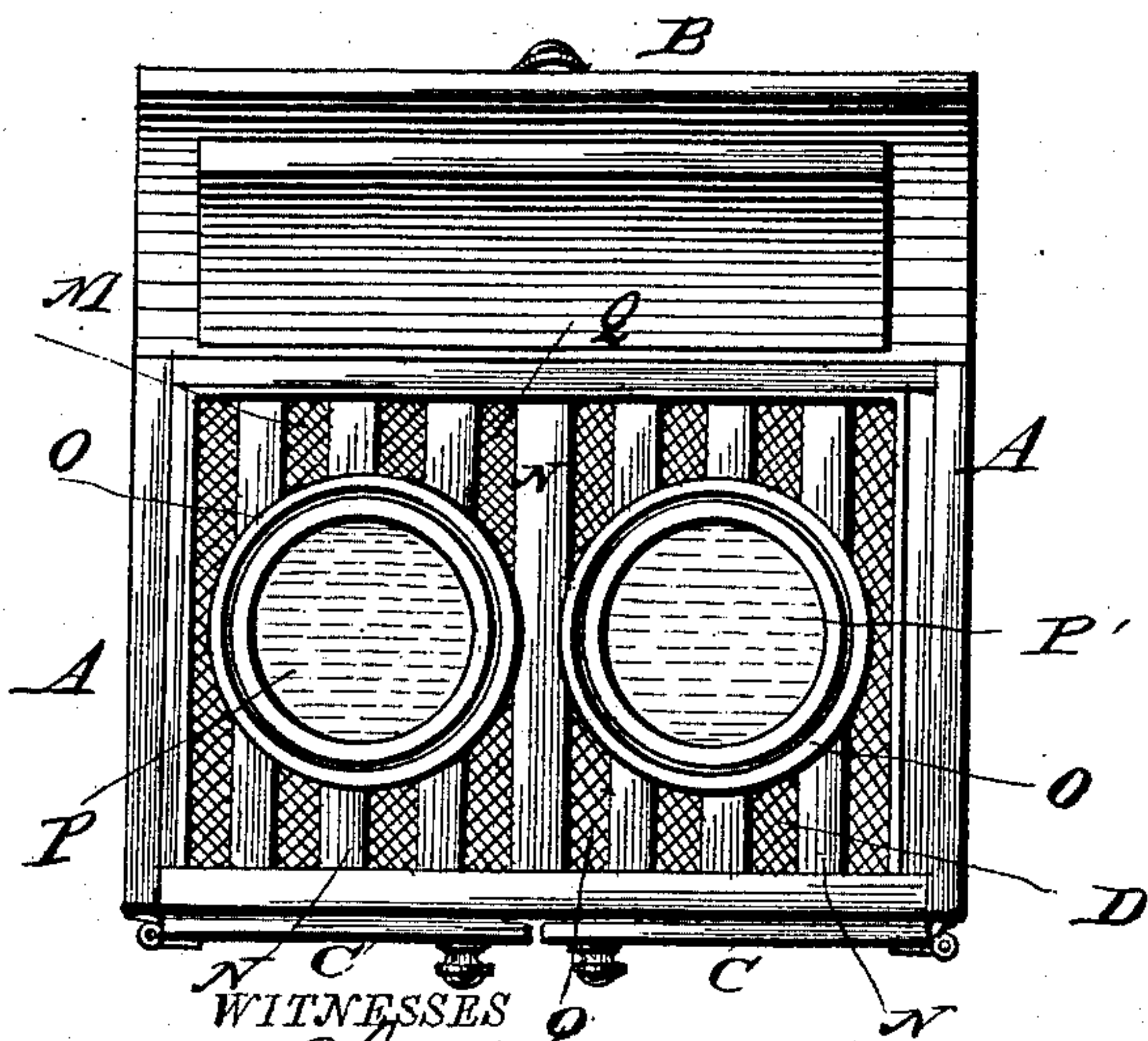
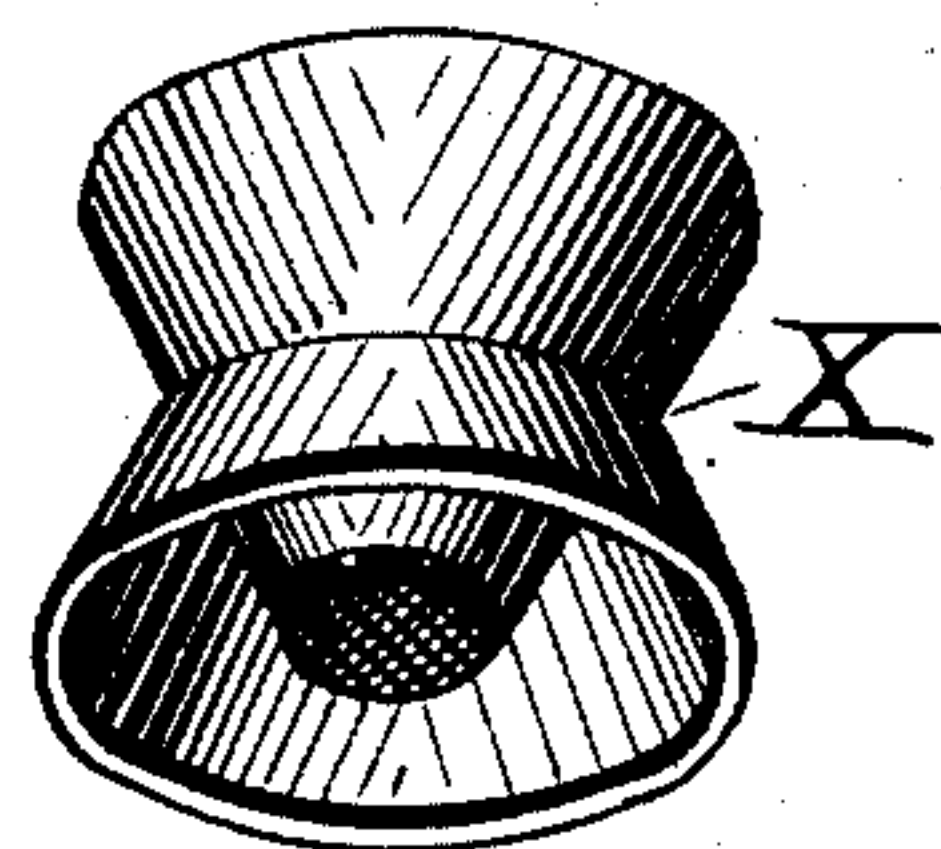


Fig. 4.



WITNESSES

Phil. Masi.
Grace M. Craig

INVENTOR

J. H. Ward
by Anderson & Smith
his Attorneys

UNITED STATES PATENT OFFICE.

JOHN HARISON WARD, OF DELPHOS, OHIO.

WATER-COOLER.

SPECIFICATION forming part of Letters Patent No. 327,361, dated September 29, 1885.

Application filed May 20, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. WARD, a citizen of the United States, residing at Delphos, in the county of Van Wert and State of Ohio, have invented certain new and useful Improvements in Water-Coolers, &c.; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a vertical central section taken on line *x x*, Fig. 2. Fig. 2 is a transverse section taken on line *y y*, Fig. 1. Fig. 3 is a plan view showing the top open. Fig. 4 is a detail view.

This invention relates to coolers for cooling boiled water, and also for maintaining articles of food at a proper temperature to preserve them; and it consists in the construction and novel combination of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

Referring by letter to the accompanying drawings, A designates the case of the water-cooler, which has its back, ends, bottom, lid B, and the doors C, six in number, constructed with double walls, the spaces between which are packed with charcoal or other non-conductor of heat and cold. The outer case is made of wood, and the interior walls are of tin, zinc, or the like. The case in this instance is divided into three horizontal compartments, D, E, and F, D being the upper one, E the lower one, and F the intermediate one of said compartments. The lower compartment, E, has a closed bottom formed of double walls to produce an air-space between them. The bottom G of the intermediate compartment is provided with an ice-pan, H, the remaining portion of the bottom being in grate form, as at I.

Near the rear wall of the water-cooler the lower compartment, E, is provided with a vertical partition, J, between which and said rear wall is a receptacle, K, which receives the water formed by the melting of the ice in the ice-pan. The receptacle K is provided with

a faucet, L, through which the water is drawn therefrom.

The bottom M of the upper compartment is formed of bars N, upon which are secured two collars or thimbles, O, in which are seated two stone jars, P P', in which boiled water is to be placed and cooled by the ice in the ice-chamber, ready for drinking purposes.

By employing two stone jars it will be seen that after the water in one has been cooled it may be used while the water in the other is cooling, there being, consequently, no time lost in waiting for the water to cool.

Q indicates a fine wire screen arranged in the upper portion of the intermediate chamber, F, and is designed to prevent dust or other impurities from passing up and into the jars or downward onto the ice.

X indicates a filtering-chamber, which is preferably of tapering or funnel form, and has its smaller or discharge end covered with wire-gauze, as shown. This chamber is provided with a skirt-flange, which extends downwardly from about its middle outer side to pass over the mouth-edges of the jars. These filters are placed in the mouth of the jars, with their flanges resting thereon, and being filled with filtering material the water is filtered while filling the jars.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, with the incasement having packed double walls, of the lower compartment with a water-space in rear thereof, the ice-pan communicating with the water-space, and the grate-bars adjoining the water-pan, substantially as specified.

2. The combination, in a refrigerator, of an ice-chamber arranged between an upper and lower compartment, the upper compartment having a slatted bottom, and a wire screen arranged adjacent thereto, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN HARISON WARD.

Witnesses:

EMERSON PRIDDY,
JOHN ROBY.