

No. 640,266.

Patented Jan. 2, 1900.

J. BOUTIN.
RAIN WATER CUT-OFF.

(Application filed Apr. 8, 1899.)

(No Model.)

Fig. 1.

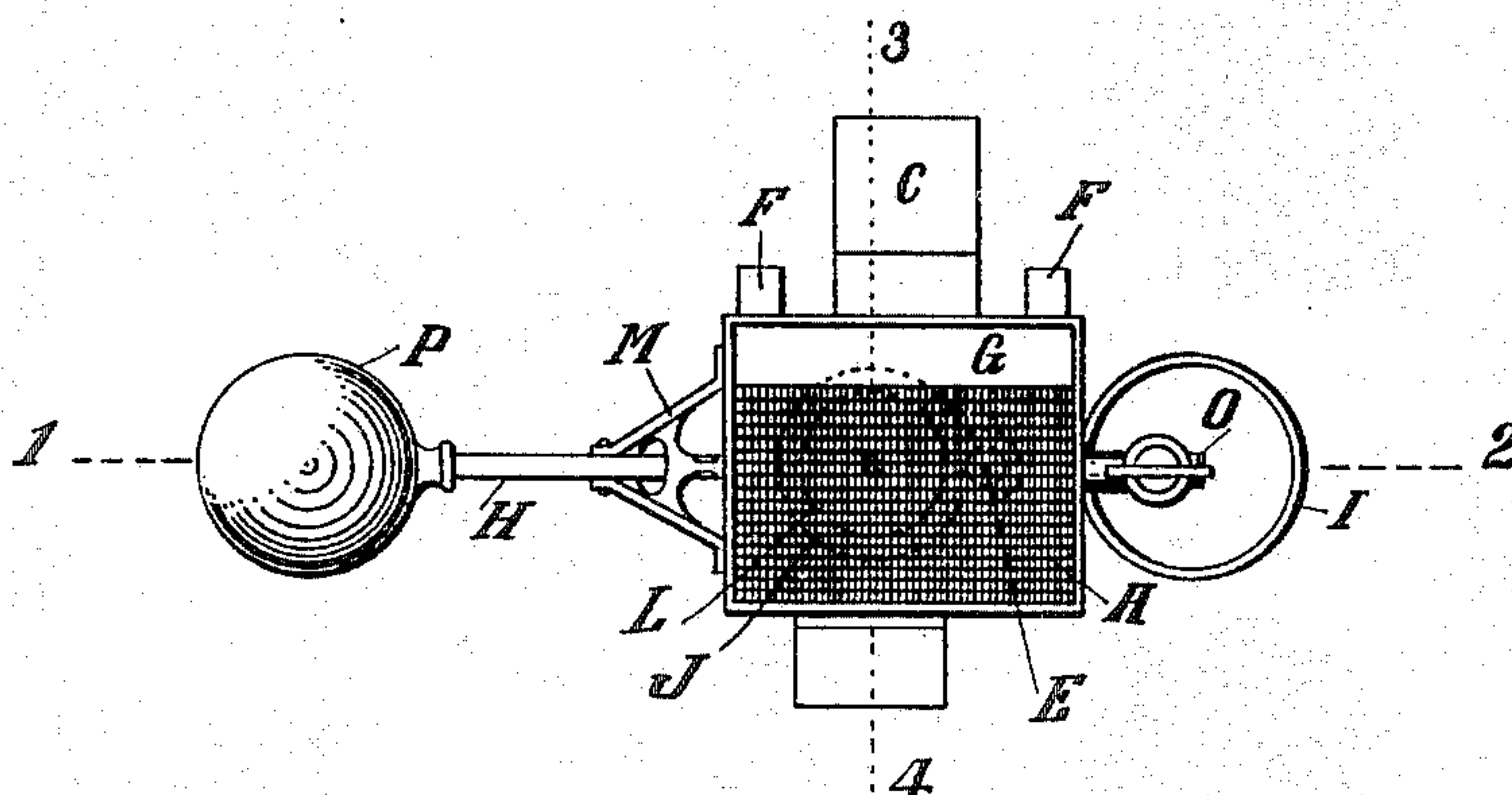


Fig. 3.

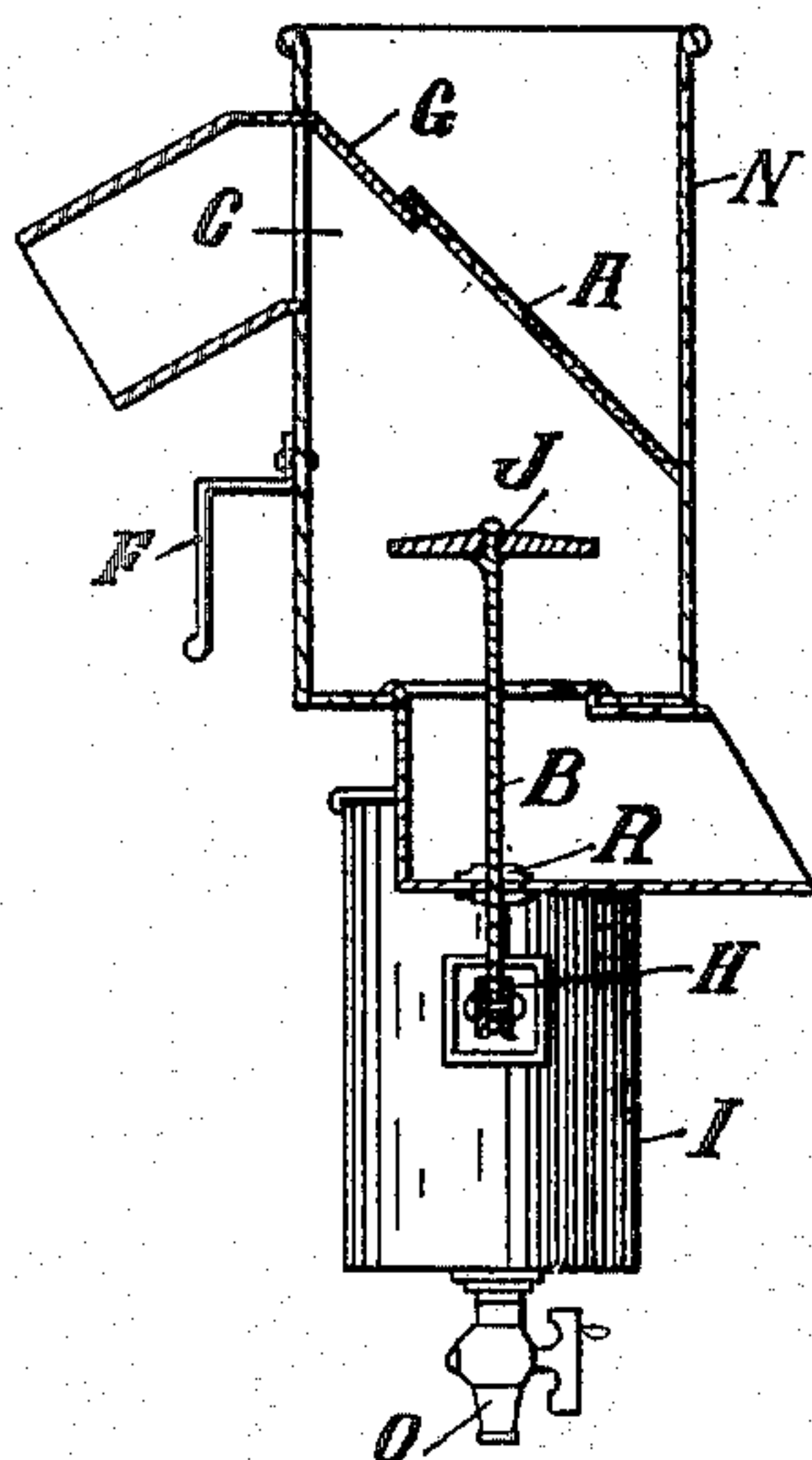
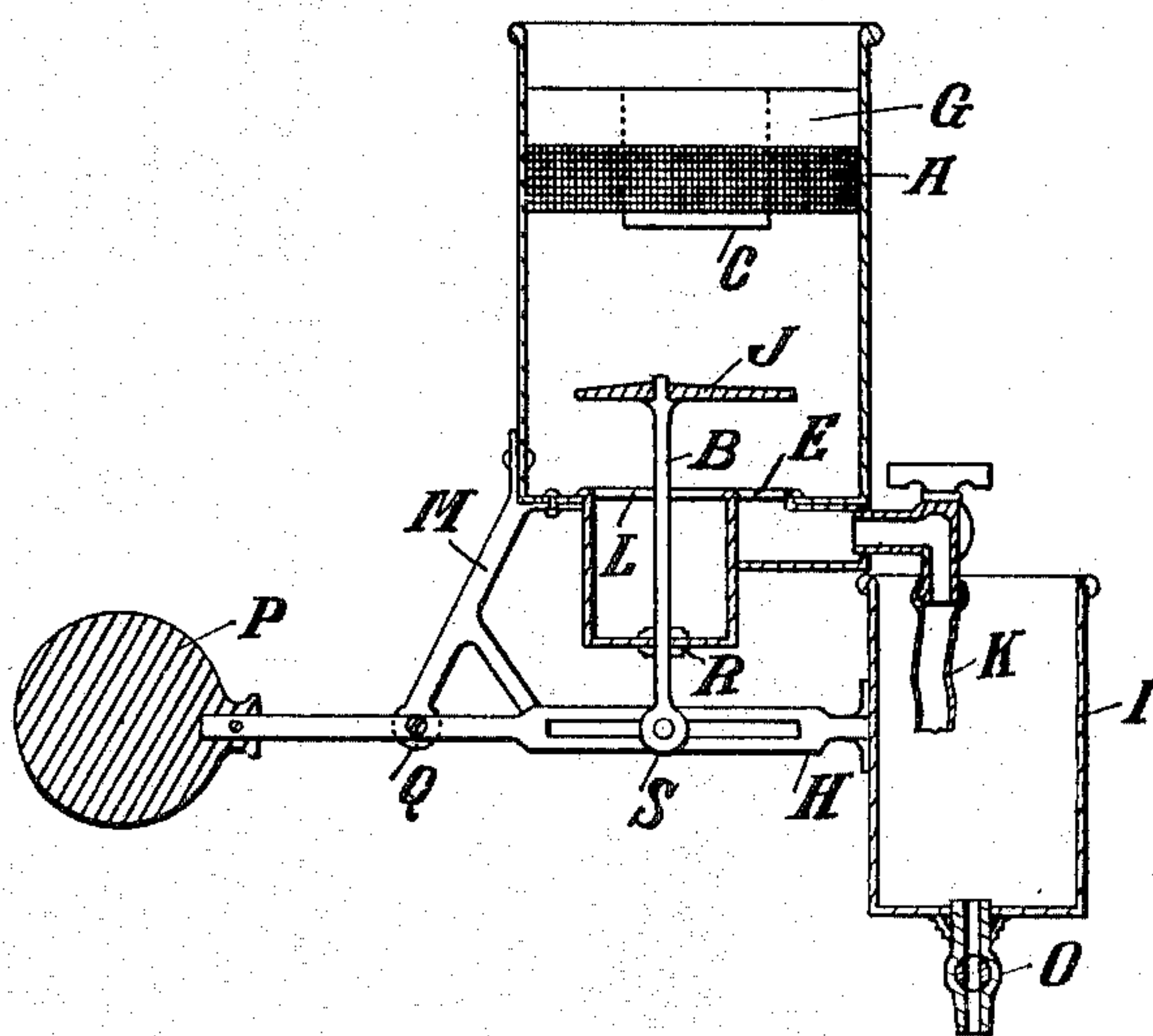


Fig. 2.



WITNESSES

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RAIN-WATER CUT-OFF.

SPECIFICATION forming part of Letters Patent No. 640,266, dated January 2, 1900.

Application filed April 8, 1899. Serial No. 712,314. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH BOUTIN, a citizen of the United States, residing in the parish of St. Landry, State of Louisiana, have
5 invented a new and useful Improvement in Rain-Water Cut-Offs, of which the following is a specification.

My invention relates to improvements in rain-water cut-offs in which the first rain-water falling on a roof is cut off or prevented
10 from being conducted into a cistern, tank, or other vessel generally used to collect rain-water for drinking purposes on account of dust, leaves, or other foreign substances having accumulated thereon; and the objects of
15 my improvements are, first, to regulate the amount of water cut off; second, to operate the cut-off automatically, and, third, to arrest all foreign matter not soluble by a strainer.
20 I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a top view. Fig. 2 is a vertical section on the line 1 2 of Fig. 1, and Fig. 3 is
25 a vertical section on line 3 4 of Fig. 1.

Similar letters refer to similar parts throughout the several views.

The framework N consists of a box open at the top, having outlets at L, C, and E. The
30 outlet E is provided with a faucet, as shown, to which is attached a flexible tube K. The outlets E and L are provided with a valve J, at the center of which is attached a rod B, connected to a lever H, at one end of which
35 is attached a cup I, in the bottom of which is placed a faucet O. The lever H is fastened to the arm or brace M at Q by a pivot-joint. At the other end of the lever H is placed a weight P. The rod B runs through a guide
40 at R and is connected to lever H by a slip-joint and pin, as shown at S.

At one side or back of the box N are fastened two hooks F F.

On inside of box N is fastened at an incline
45 a shield or hood G over the outlet C, and at the same incline as shield G is fastened a strainer A.

The brace or arm M is connected to the lower angle or bottom and side of box N and serves
50 to support the lever H.

The mode of operating my invention is in the manner following: The water from the roof is conducted to the open top of the box N and is prevented from entering into the
outlet C by shield G. All leaves and other
55 matter are arrested by the strainer A. The water now finds its exit through the outlets L and E. Water passing through E falls into cup I, which fills and becomes weighted and drops and closes the outlets L and E. The water
60 then rises and passes through outlet C, from thence into the cistern or tank.

The amount of water passing through the outlet L is regulated by partly closing or opening
65 the faucet at outlet E.

The faucet O is used to drain the cup I to further regulate the loss of water by partly closing or opening same, that the cup I may
70 require a longer or shorter time to fill, acting in conjunction with the faucet at E. It may also be closed entirely to prevent any waste of water in cup I when it is desired to use the water direct from the roof.

The flexible tube K is used to prevent the wind from blowing the water away from the
75 mouth of cup I.

The weight P serves to hold the valve at outlet L open and in its normal condition.

The hooks F F are attached to the side or back of box N and are used to hang the machine to the top of cistern-staves or tank sides.
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What I claim as new in my invention, and desire to secure by Letters Patent, is—

1. In a water cut-off, a receptacle having an inclined shield and strainer, a pipe leading
85 from the receptacle under the shield, said receptacle having outlets in the bottom, a valve controlling same, a weighted lever, and a cup carried by the lever and adapted to receive the water from one of the outlets of the receptacle.
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2. In a device of the character described, a receptacle having an outlet near its top, a shield set at an incline over the outlet, a strainer extending from the shield to the inner
95 walls of the receptacle, said receptacle having outlets in its bottom, a valve for controlling the outlets, a valve-stem therefor, a lever suitably fulcrumed to which the valve-stem is connected, a cup having a valved outlet ar-
100

ranged on the end of the lever to receive water from one of the outlets of the receptacle and means for regulating the flow to said cup.

3. In a device of the character described, a
5 receptacle having outlets at the bottom and side, a shield for the outlet at the side, a valve for those in the bottom, a lever for control-

ling the valve, a cup on the end of the lever under one of the openings and means for regulating the supply to the cup.

JOSEPH BOUTIN.

Witnesses:

HOMER GUIDRY,
CLÉOPHA GUIDRY.