

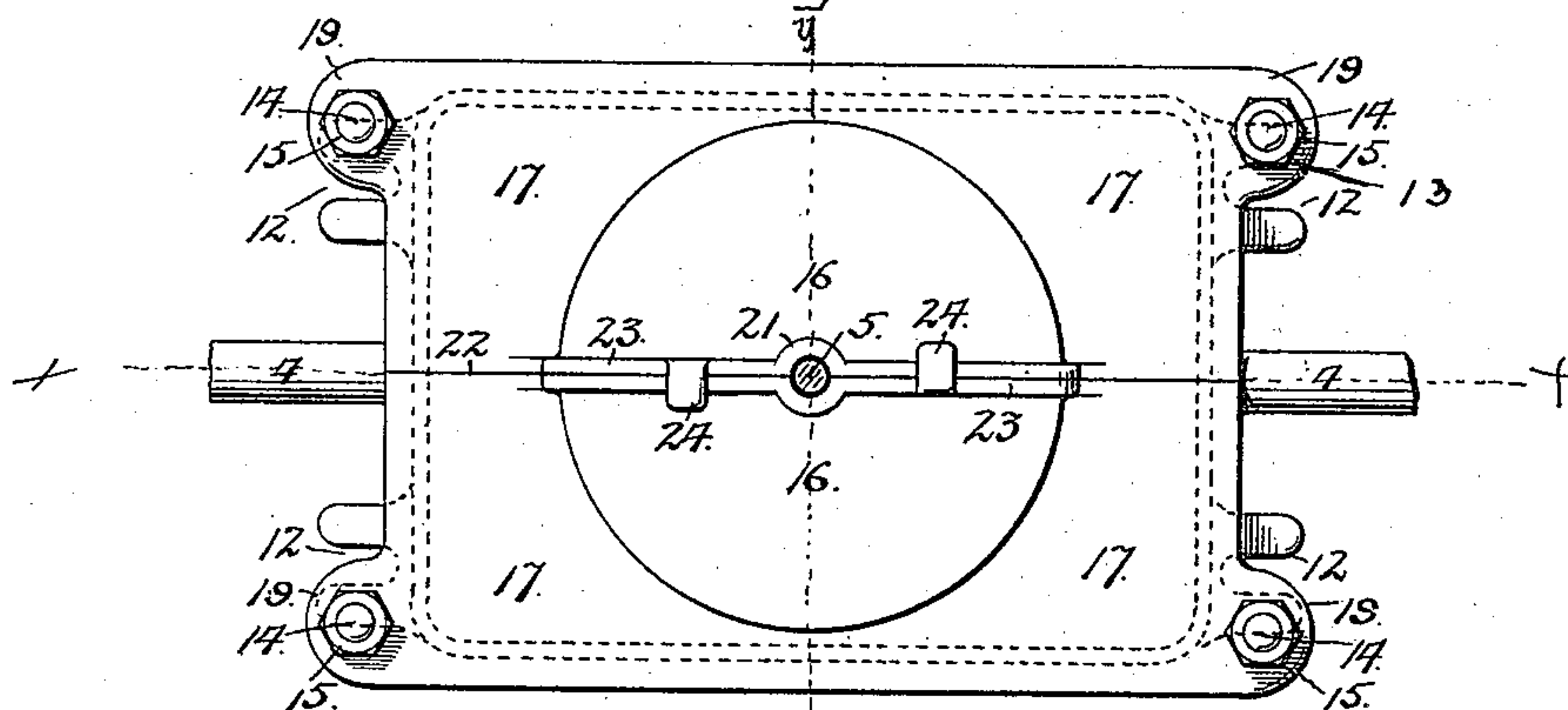
(No Model.)

J. H. DALTON.  
WASTE BOX.

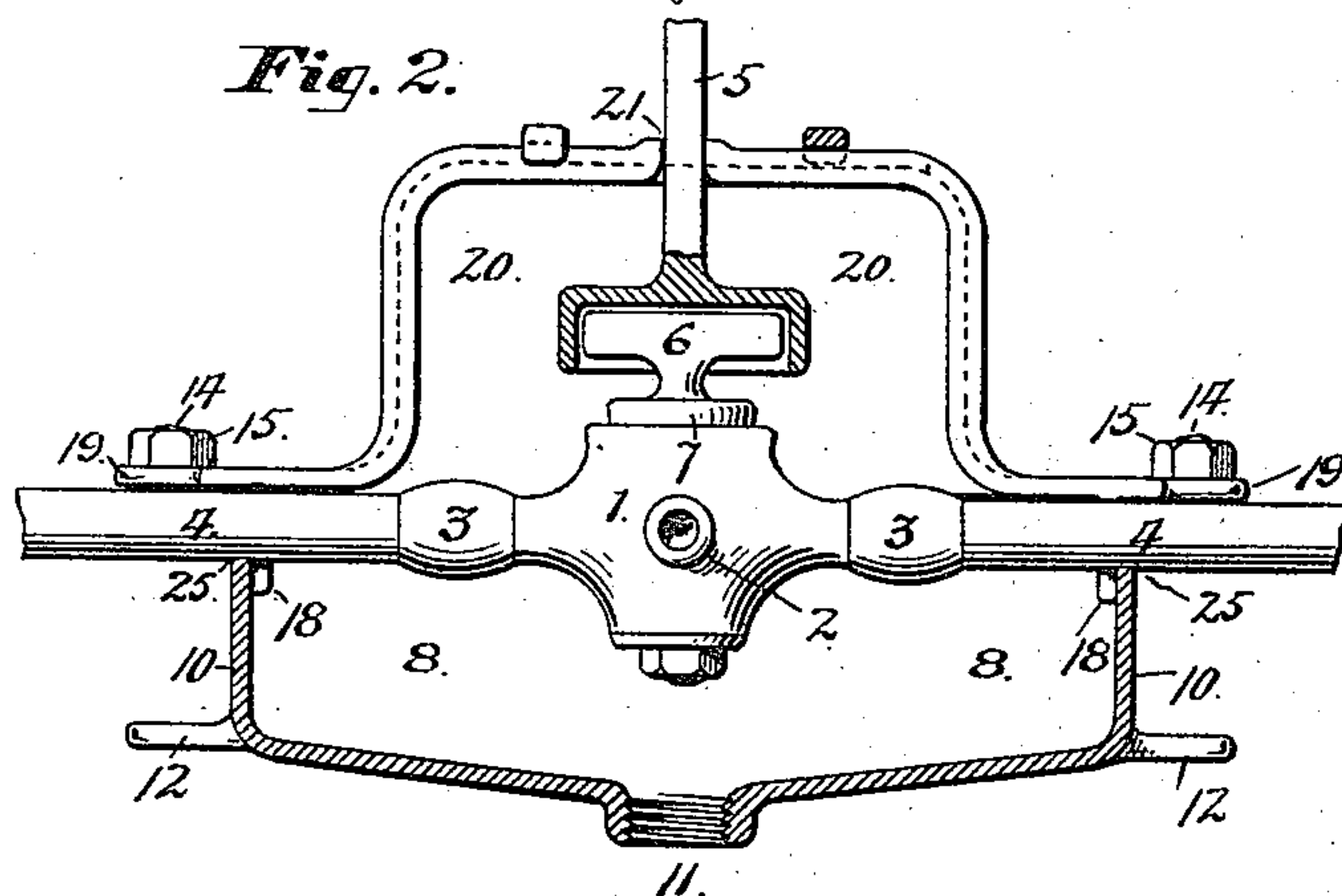
No. 441,141.

Patented Nov. 25, 1890.

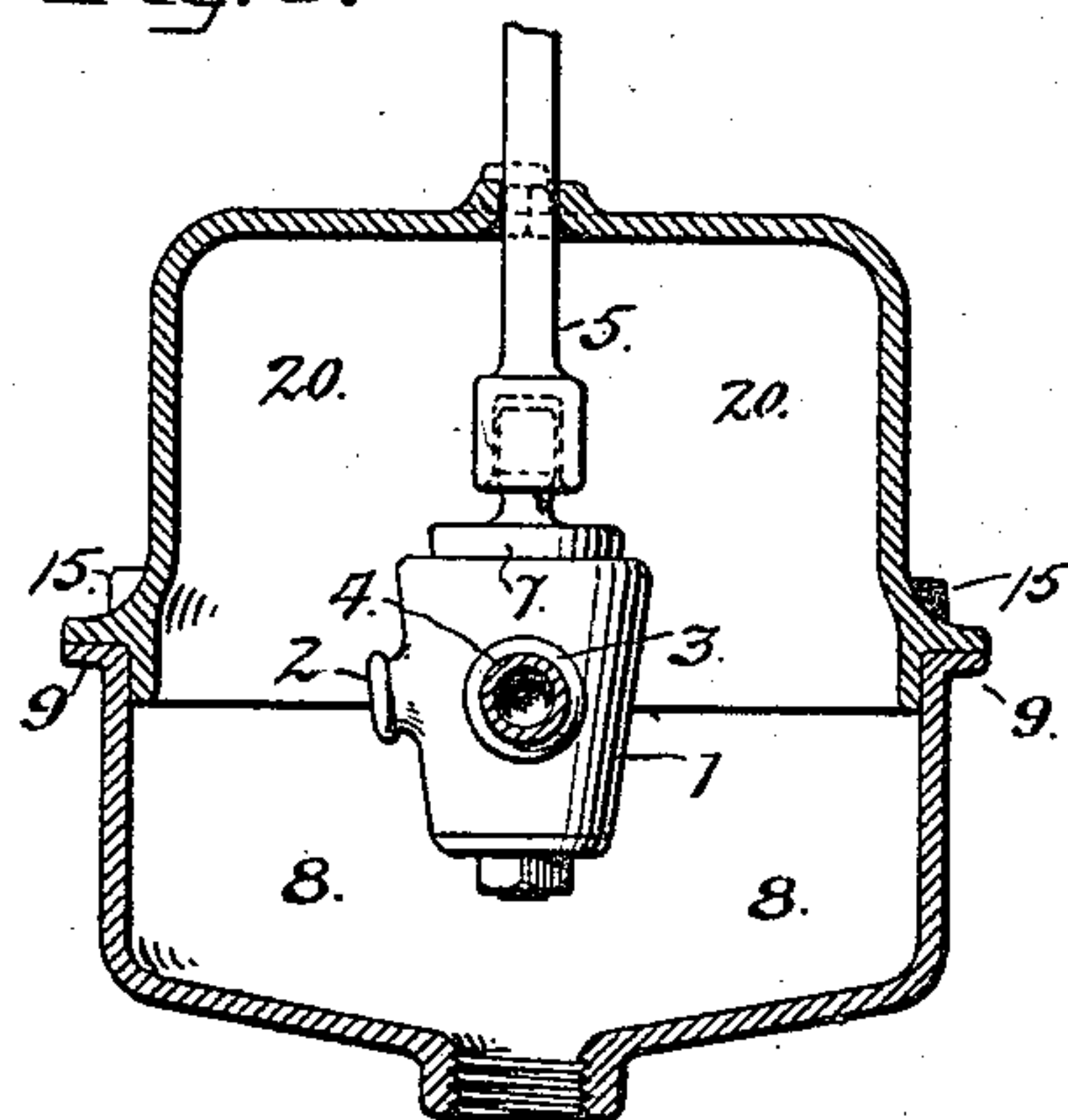
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

*A. E. Paige*  
*F. D. Goodwin*

INVENTOR

*John H. Dalton*  
*Lloyd Megaw*  
*Atty*

# UNITED STATES PATENT OFFICE.

JOHN H. DALTON, OF PHILADELPHIA, PENNSYLVANIA.

## WASTE-BOX.

SPECIFICATION forming part of Letters Patent No. 441,141, dated November 25, 1890.

Application filed June 23, 1890. Serial No. 356,392. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. DALTON, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Waste-Boxes; and I do hereby declare the following to be a sufficiently full, clear, and exact description thereof, as to enable others skilled in the art to make and use the said invention.

This invention relates to the drips of waste-cocks used in the distribution of water-supply in houses, and has for its object the cheap and easy inclosure of stop and waste cocks and the collection of such leakage and drips and their discharge through a suitable conducting-pipe to places where they are unobjectionable.

To this end this invention consists in a box made in three parts, so as to inclose the stop and waste cock and yet afford access to turn the cock by the usual rod or key.

The invention is shown in the accompanying drawings, in which—

Figure 1 shows a top view thereof; Fig. 2, a vertical section thereof in the plane indicated by the dotted line  $x x$  in Fig. 1, and Fig. 3 a vertical section thereof in the plane indicated by the dotted line  $y y$  in Fig. 1.

1 represents a stop and waste cock of usual construction, with the usual waste branch on the side connected by plumbed joints 3 3 to the pipes 4 4, and fitted with the usual socket or box wrench or key embracing the handle 6 of the plug 7.

8 is an oblong box, having a flange 9 on its upper edge and at the ends 10 depressions or grooves 25, in which the pipes 4 4 fit easily but closely. In the bottom of the box 8 is a central opening 11, toward which the bottom of the box is inclined downward, so that any fluid therein will flow to the opening 11. The opening 11 is screw-threaded internally, so that screwed pipes may be easily connected therewith, and the box is also preferably galvanized, so that leaden pipes may be readily connected to it and also to

prevent rusting. At the ends of the box 8, on the lower corners, are lugs 12, between which screws may be placed to screw the box to wooden supports in the building where it is used. On the upper corners of the box 8, at the ends, are lugs 13 with holes in them, through which screws 14 pass, and are held by nuts 15.

The cover 16 of the box 8 is formed in two similar parts, each part having a flat plate 17, fitting upon the top of the box 8, and a rim 18, which fits inside of the box 8, so as to hold the lid in place and also to prevent any splashing of water outwardly between the box 8 and lid 16. Lugs 19 are formed in the cover 16 at the corners having holes corresponding with the holes in the lugs 13, through both of which the screws 14 pass.

To hold the cover down, upon the upper side of each of the plates 17 is formed a semi-cylindric shell or case 20, contracted at the top to fit loosely at the center 21 around the stem of the key 5.

The seam 22, upon which the two parts of the cover 16 join each other, is provided with a flange 23, and upon the flange of each half of the cover 16 there is formed a hook 24, which embraces the flange of the other half, so as to hold them together.

To use this invention, the box 8 is placed under the stop-cock, so that it is central therein, and the pipes fit in the grooves 25. The key 5 is placed on the thread 6 of the stop-cock 1, and the two halves of the cover 16 are placed together around the rod of the key 5 and then moved downward, so that the rim 18 is inside of the box. The screws 14 are then put through the holes in the lugs 19 and 13, and the nuts 15 screwed up and the required pipe to lead from the outlet 11 is connected. Whenever any water escapes from the waste branch 2 or leaks around the plugs 7 or through any defects in the joints 3, it is confined and collected in the box 8 and discharged through the opening 11.

Having described my invention, what I claim is—

The drip-box 8, having grooved ends adapt-



ed to receive the pipes 4 and stop-cock 1,  
and provided with a discharge-outlet 11 and  
lugs 13, in combination with the cover 16  
formed of two parts and provided with lugs  
5 19, and the flange 18, fitting within the box  
8, and forming a case 20, having flanges and  
hooks constructed, as described, to hold the

parts to each other and hold the wrench 5,  
substantially as set forth.

JOHN H. DALTON.

Witnesses:

J. DANIEL EBY,  
ALEX. H. SIEGEL.