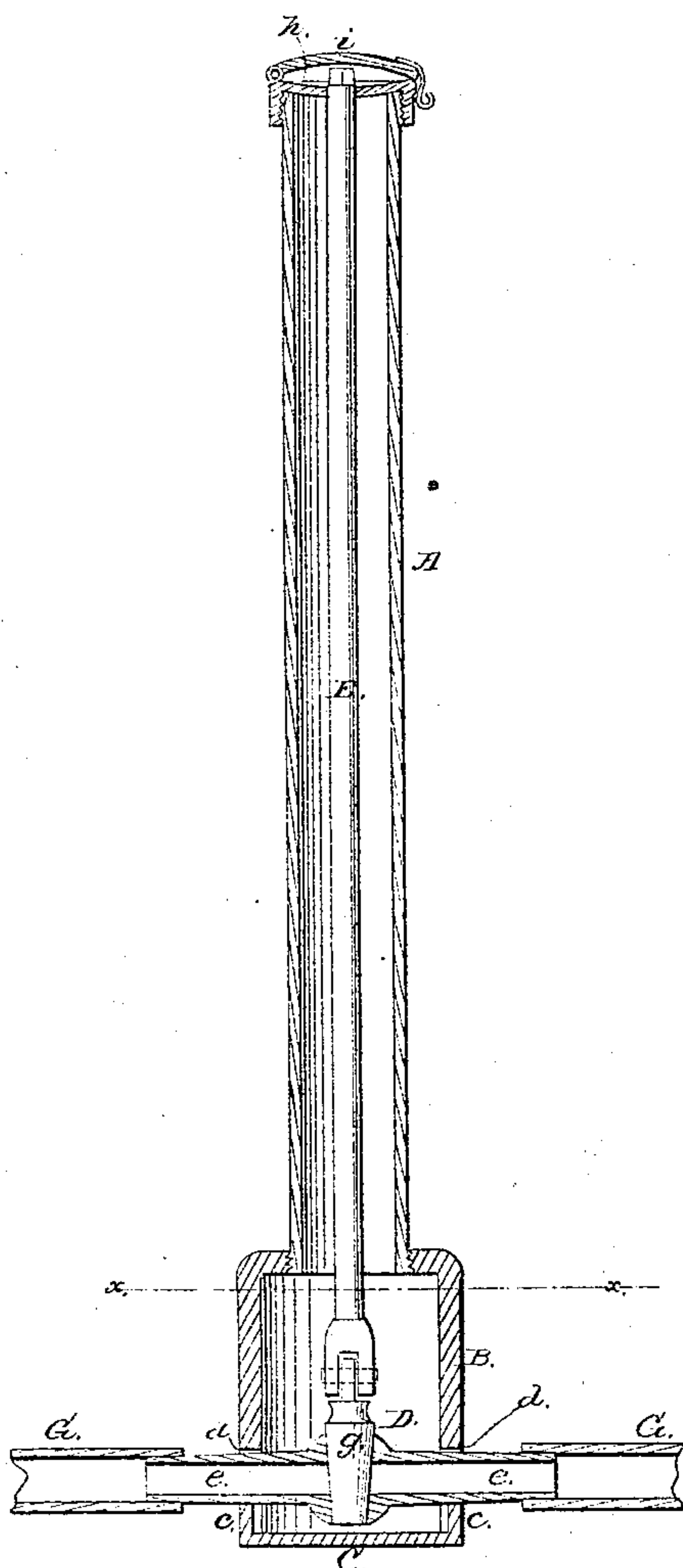
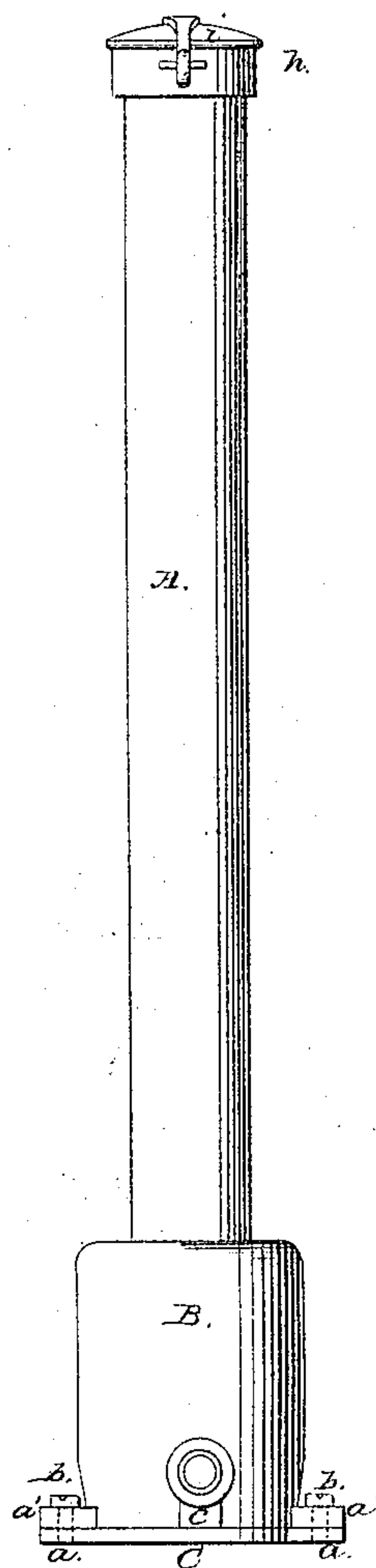


J. G. WELDON.  
STOP COCK AND CASE FOR PIPES LEADING FROM STREET MAINS.  
No. 43,056. Patented June 7, 1864.

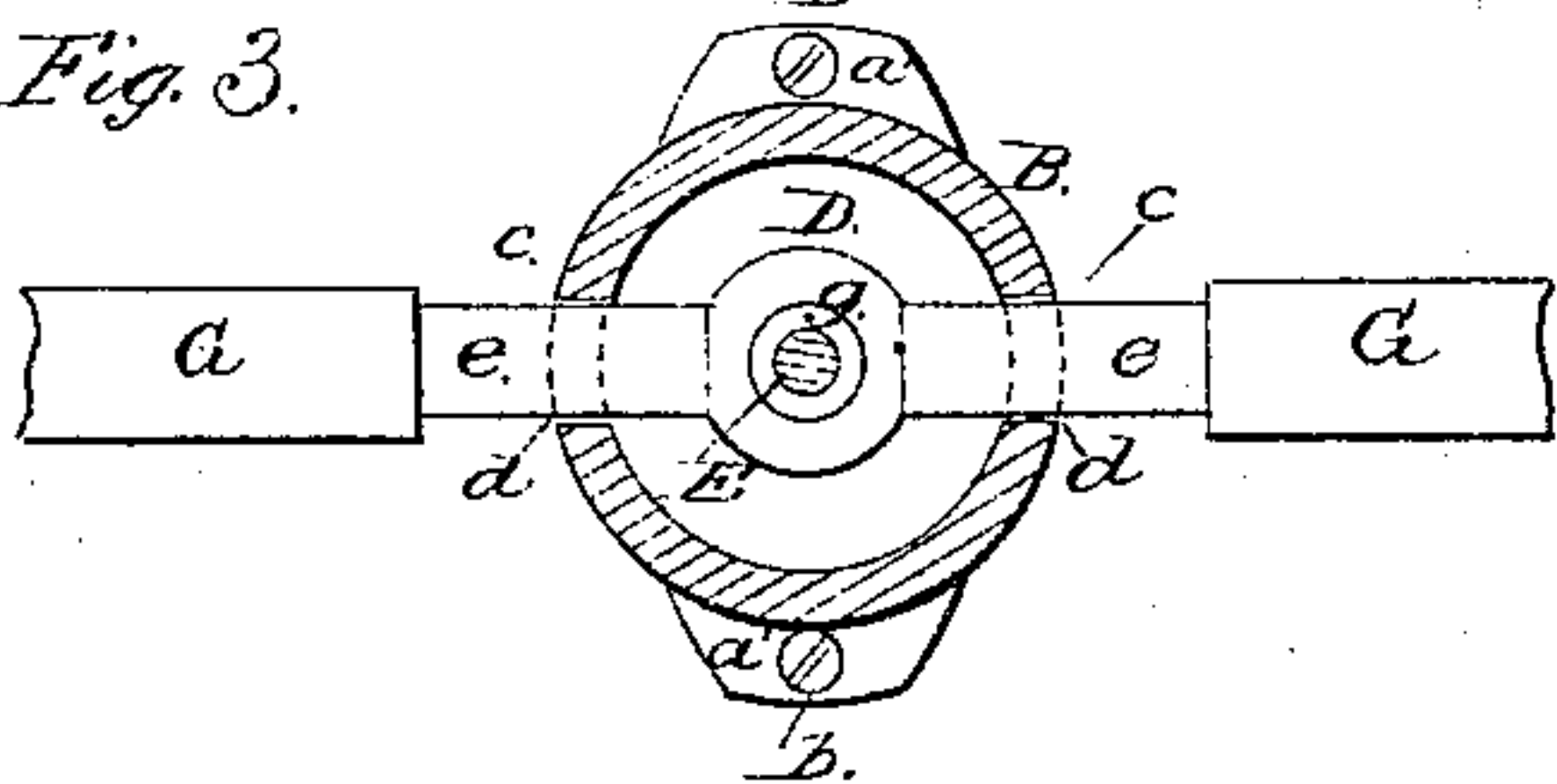
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:  
R. T. Campbell  
O. Schaffer

Inventor:  
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by his atty:  
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# UNITED STATES PATENT OFFICE.

JAMES G. WELDON, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN STOP-COCK AND CASES FOR PIPES LEADING FROM STREET-MAINS.

Specification forming part of Letters Patent No. 43,056, dated June 7, 1864.

*To all whom it may concern :*

Be it known that I, JAMES G. WELDON, of Pittsburg, county of Allegheny, and State of Pennsylvania, have invented a new and Improved Stop-Cock Case; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a diametrical section through the improved case containing a stop-cock and device for operating it. Fig. 2 is a side elevation of the case, showing its exterior construction. Fig. 3 is a horizontal section of the case, taken at the point *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the three figures.

This invention relates to an improvement in the street-cock casing, for inclosing and protecting those cocks which are applied to the branch pipes of street-mains below the surface of the ground.

The object of my invention is to completely inclose these cocks by a metallic casing, and at the same time afford facilities for operating the cocks at the upper end of the casing, and from the outside of the same, as will be hereinafter described.

To enable others skilled in the art to make and use my invention, I will describe its construction and operation.

In the accompanying drawings, A represents a cylindrical tube, which has an enlarged cylindrical box, B, applied to its lower end in such manner that the two parts A B will be firmly secured together. The lower end of the box B is closed by a detachable bottom plate, C, having ears *a a* projecting from its circumference, which are perforated and tapped to receive screws *b b*, that pass through corresponding ears, *a' a'*, formed on the box B, as shown in Fig. 2, and secure the plate C to the bottom of this box. The plate C has also two lips, *c c*, projecting up from its surface, which are intended for closing the vertical slotted openings *d d* made in the box B for the purpose of receiving the tail-stocks *e e* of the cock D, and allowing the latter to be brought within the box. When the bottom plate is secured in its place, as shown in Figs. 1 and 2, the openings *d d*, through which the tail-stocks *e e* project, are of such size as will make tight joints and prevent anything getting into the box B at these points. The cock D must be adjusted in its place within the box B before the bottom plate, C, is secured in its place,

and when this is done the tail-stocks of the cock have their bearings upon the curved edges of the closing lips *c c*, as clearly shown in Fig. 1.

The rotating plug *g* of the cock D has a tongue formed on its upper end, which is received by the forked end of a rod, E. (Shown in Fig. 1.) A pin or key is used to connect the rod E to the cock-plug, so that this rod will always be in a condition for use, and the upper end of this rod E is carried up sufficiently far to project through the cap *h* on the upper end of the small tube or hollow shaft A, the projecting end of the rod being adapted to receive a wrench or a key, by means of which the cock-plug can be turned and the water in the service-pipe G cut off or let on at pleasure.

The cap *h* is used to prevent dirt from getting into the casing and the hinged cover closes over the whole and keeps out water, &c., and prevents the cock from being tampered with.

Instead of using a hinged lid or cover, *i*, as just described, I may employ two loose caps, as hitherto used, they being cheaper and serve the desired purpose just as well.

By my improved arrangement it will be seen that a person can readily operate the cock, when arranged beneath the surface of the ground, by means of a short wrench or key applied to that portion of the permanent rod E which projects from the upper end of the casing. The casing completely incloses the cock and rod E, and the space surrounding these parts may be filled up with some suitable poor conductor of heat which will prevent anything freezing within the casing.

By unscrewing the bottom plate, C, the casing may be lifted up and access had to the cock for repairing it, should it wear out or become deranged from any cause, after which the casing can be readily replaced again and the plate C secured in place beneath the cock.

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

The within-described stop-cock case and stop-cock, constructed and applied in the manner and for the purpose described, as a new article of manufacture.

JAMES G. WELDON.

Witnesses :

JAMES MAWHINEY,  
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