

(No Model.)

D. H. SHERMAN.

STOP VALVE BOX FOR WATER OR OTHER MAIN AND SERVICE PIPES.

No. 313,541.

Patented Mar. 10, 1885.

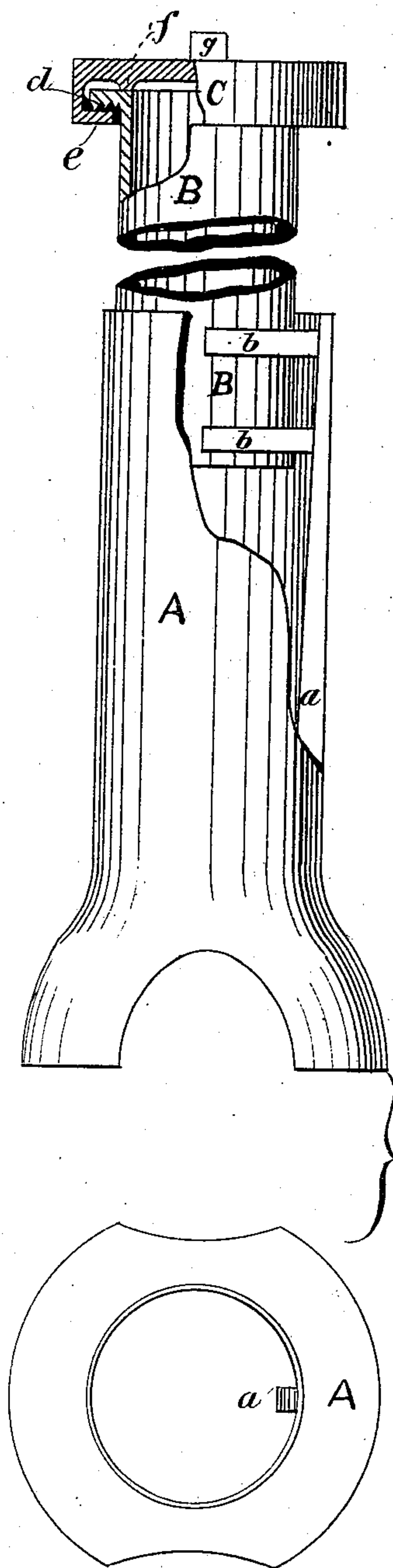


Fig. 1

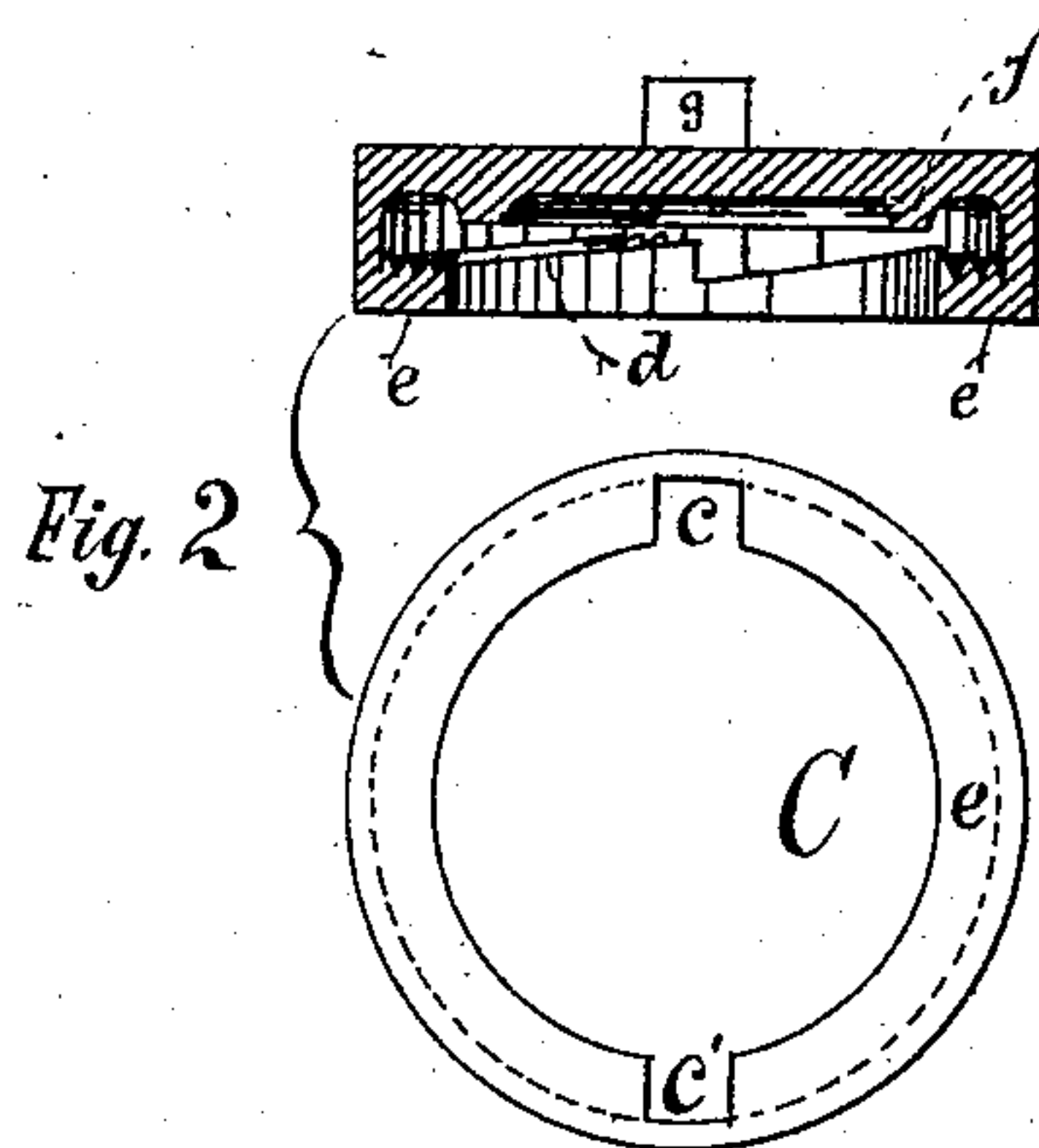


Fig. 2

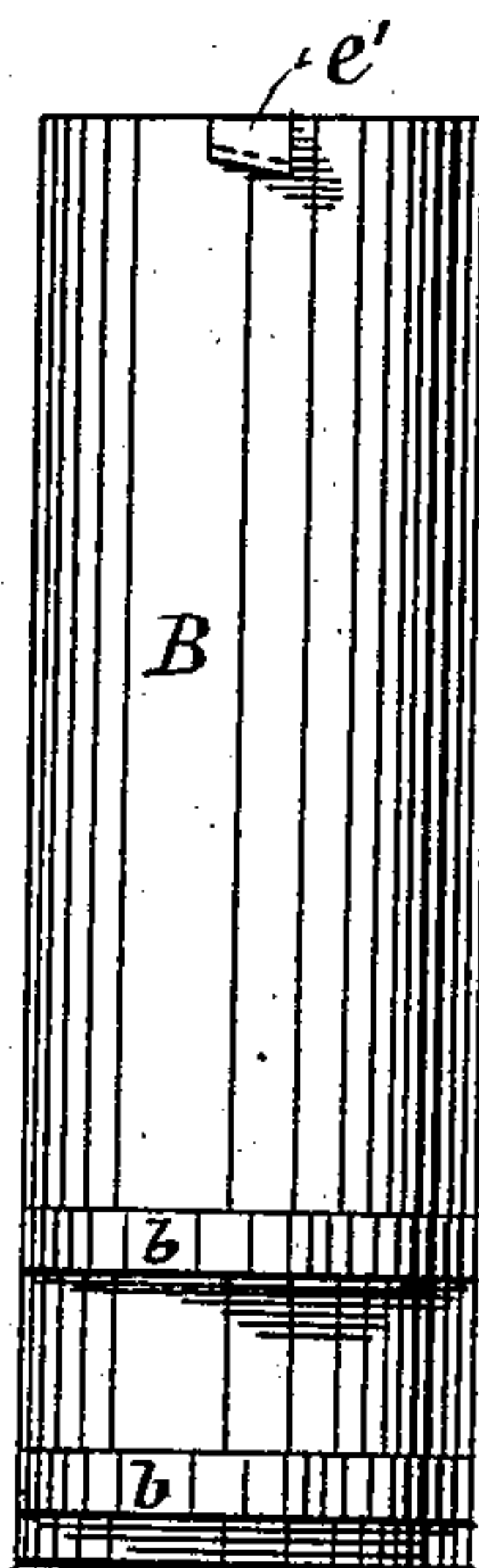


Fig. 3

Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

DANIEL H. SHERMAN, OF BUFFALO, NEW YORK.

STOP-VALVE BOX FOR WATER OR OTHER MAIN AND SERVICE PIPES.

SPECIFICATION forming part of Letters Patent No. 313,541, dated March 10, 1885.

Application filed July 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, DANIEL H. SHERMAN, of Buffalo, in the county of Erie and State of New York, have invented a new and useful
5 Improvement in Stop-Valve Boxes for Water or other Main or Service Pipes, which improvement is fully set forth in the following specification and accompanying drawings, in which—

10 Figure 1 is a plan and elevation of my stop-valve box. Fig. 2 is a section and bottom plan of the cover for the valve-box, and Fig. 3 is a plan and elevation of the adjustable tube for the stop-valve box.

15 The object of my invention is to furnish an adjustable box for the protection of water, gas, or other pipe valves when placed below the surface of the ground, and of obtaining access to the valve by means of the ordinary
20 valve-key used for operating the stop-valve.

In the drawings, A is the lower or stand pipe of the box, with a straight or conical shape foot, or globe or bell shape, as circumstances require, the object being to provide
25 a form of tube that cannot be removed from the ground without excavation. Upon the inside of this stand-pipe is an inclined plane or wedge shape rib, *a*, for a bearing-surface for the cams *b* on the adjustable tube B.

30 The operation of adjusting the tube B in the stand-pipe A to the height of the surface of the ground is performed by placing the tube B to the exact height required, and turning the tube B in either direction until the cam *b* is
35 in contact with the rib *a*, which secures the tube in the desired position.

The cams *b* may be formed by making the tube B of the required shape.

The cover C, for protecting the stop-valve, is provided upon its lower side with a flange, *e*,
40 extending around the cover, and is provided with notches *c* for the reception of the corrugated projections or ears *e'* upon the tube B.

The operation of locking the cover C to the tube B is by turning the cover with the valve-
45 key on the knob *g* in the direction to bring the ear *e'* in contact with the longitudinally-corrugated inclined surface *d* upon the flange *e*, and locking by the friction of the corrugated surfaces *e' d* and the surface *f*, and of
50 unlocking by turning in a reverse direction. The surfaces *e'* and *d* are longitudinally corrugated to increase their surface and friction in locking.

I do not claim as new the flanged cover C
55 and inclined surface *d*, in combination with the ears *e'* on the tube B, as I am aware that the same have been before described for a similar purpose.

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

The combination of the stand-pipe A, provided with the rib *a*, with the adjustable tube B, provided with the cams *b*, all arranged and
65 operating substantially as and for the purpose shown and described.

DANIEL H. SHERMAN.

Witnesses:

IRVIN C. McDOWELL,
THOS. J. ROGERS.