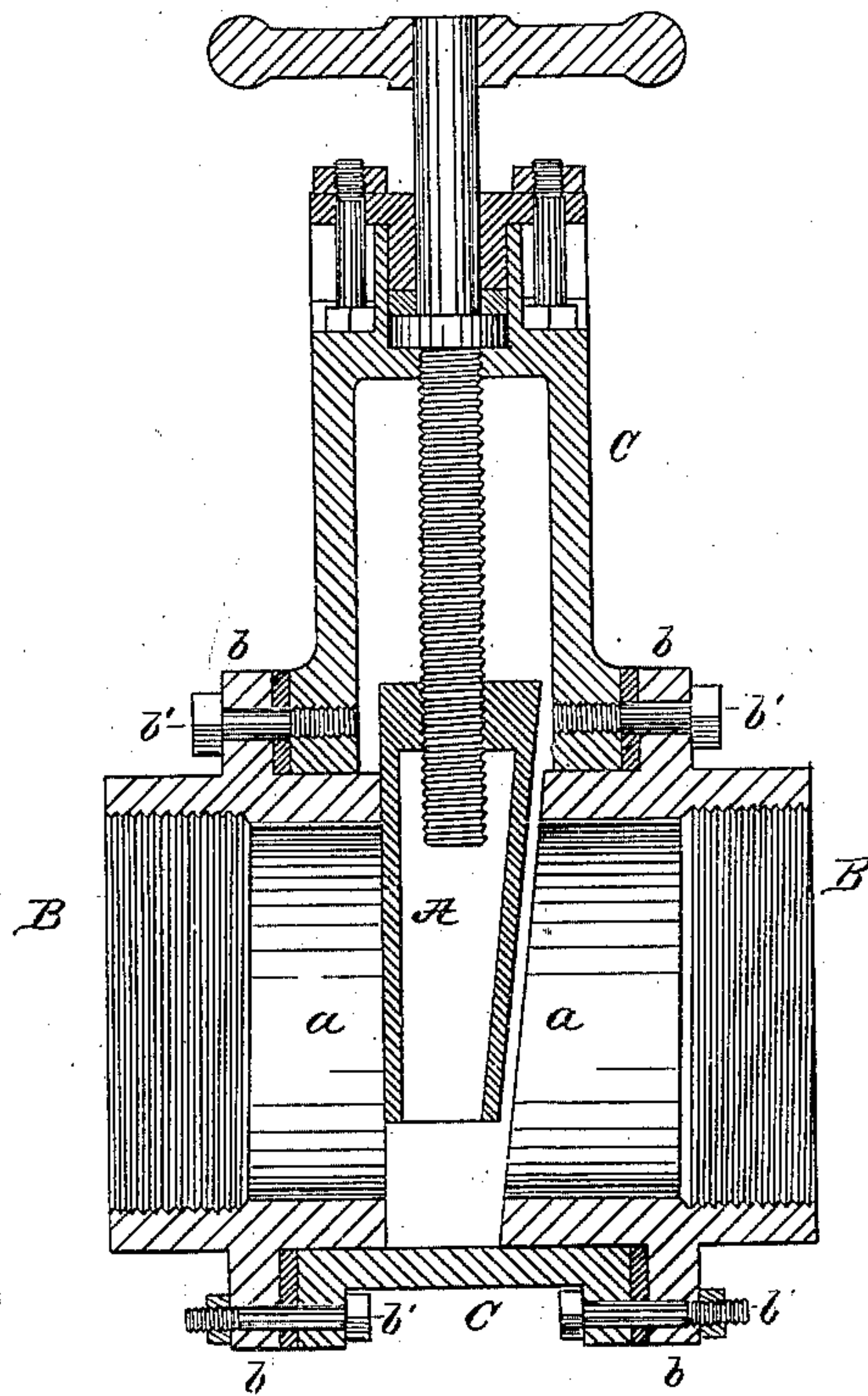


(Model.)

R. BEAUMONT.
STOP VALVE.

No. 257,275.

Patented May 2, 1882.



WITNESSES—
F. W. Adams
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UNITED STATES PATENT OFFICE.

RICHARD BEAUMONT, OF KANKAKEE, ILLINOIS.

STOP-VALVE.

SPECIFICATION forming part of Letters Patent No. 257,275, dated May 2, 1882.

Application filed April 5, 1881. (Model.)

To all whom it may concern:

Be it known that I, RICHARD BEAUMONT, of Kankakee, in the county of Kankakee and State of Illinois, have invented certain new and useful Improvements in Stop-Valves; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which forms a part of this specification.

This invention relates to the tapering form of stop-valves intended for steam, water, and other pipe-lines; and it consists in the features of construction hereinafter described and claimed.

In the drawing my improved construction is illustrated by a central vertical section of the valve in the axis of its passage.

C is the central portion or body or case of the valve, chambered in the usual manner to allow the valve to rise above the line of the pipe-passage, and fitted with the valve-stem and any approved form of stuffing-box.

A is the valve proper, which is of the ordinary tapering form, or, in other words, is thinner at the bottom than at its top, between its opposite flat faces.

B B are the bells by which the valve-shell is connected into the pipe-line. Said bells are made wholly separate from the part C, and are provided with inner extensions, *a a*, which may be cylindrical, square, or of other desired form, and which enter large central openings in the body C from opposite sides, as shown.

The inner ends or faces of said entering extensions *a* of the bell parts B form the seats for the valves A, and are planed to correspond with the bevel of the said valve before they are joined to the body C. For the purpose of securing the bell parts B adjustably and removably to the body C said bell parts are provided with external flanges, *b b*, which set out over the metal of the body about the lateral openings, into which the bell-extensions *a a* are inserted, through which flanges the bolts *b' b'* pass, securing the parts, as shown. Any

suitable packing may be inserted beneath the flanges *b*. The bolts *b'* being properly set, either bell B may be removed, and, after replacing its seat, it may be returned and again readily adjusted to the inclination of the valve-face by means of the bolts *b'*. Often a leaky valve of this construction may be tightened so as to correct the leak by means of the bolts *b'* without removing the valve from the line. Of course only one of the seats *a* may be inclined, if preferred.

Detachable bells, screw-threaded into a central valve-case, and having their adjacent faces parallel, so as to seat a parallel-faced valve, are, I am aware, old; but the threaded connection of the bell parts with the central part of the shell is obviously not applicable to the taper valve shown with the effects with respect to adjustment above set forth.

I am acquainted with the patent to J. P. Mern, No. 137,144, which shows a construction calculated to facilitate the removal of a broken valve-stem, and also shows the bells joined to each other at their sides and bottoms, while in said patent the bell portions of the case are faced to seat the valve. It does not present my invention, which combines with the faced bell portions of a different construction the central portion of the case extending down at the sides and around the bottom in the manner described and shown.

I claim as my invention—

The valve described, consisting of the chambered case C, having a horizontal passage through the same for the reception of the bells B, and in combination with said bells, faced, flanged, and secured to the case, all substantially in the manner and for the purposes set forth.

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

RICHARD BEAUMONT.

Witnesses:

JOHN McDONALD,
CHARLES P. DOLE.