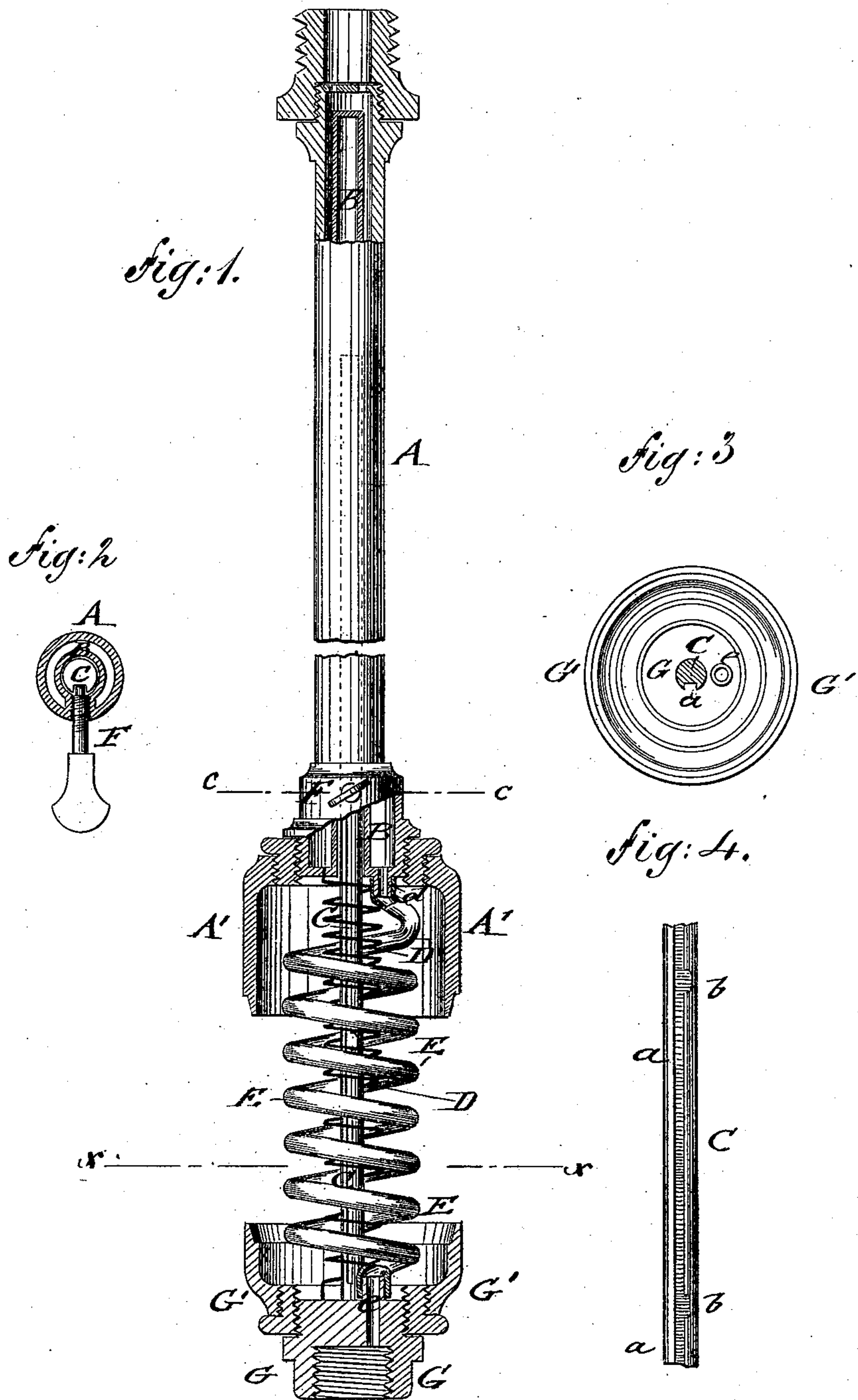


H. PRESCOTT.
DROP-CHANDELIER.

No. 178,953.

Patented June 20, 1876.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY PRESCOTT, OF KEYSTONE, OHIO.

IMPROVEMENT IN DROP-CHANDELIERS.

Specification forming part of Letters Patent No. **178,953**, dated June 20, 1876; application filed April 25, 1876.

To all whom it may concern:

Be it known that I, HENRY PRESCOTT, of Keystone, Jackson county, State of Ohio, have invented a new and Improved Drop-Chandelier, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved chandelier, partly in section. Figs. 2 and 3 are horizontal sections of the same, respectively, on lines *c c* and *x x*, Fig. 1, and Fig. 4 is a detail side view of the grooved and notched extension-rod.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved drop-chandelier of neat and compact shape, that is readily raised and lowered, and set to any height, in a convenient manner; and consists of a grooved extension-rod sliding in an inclosing-tube of a stationary pipe, and being connected with the connecting pipe-section of the chandelier by a spiral coil of rubber hose, and a spiral spring. The extension-rod may be readily set to any length by a set-screw.

In the drawing, A represents the stationary gas-pipe that is applied to the ceiling, and extended downward to, suitable length. The pipe A is provided with an interior tube, B, that is closed at the top, and open at the bottom part to guide the extension-rod C, and prevent any gas from passing off through the same. The interior tube B serves as a guide or socket for the sliding extension-rod C, that has a longitudinal groove, *a*, and, at one side of the groove, small notches *b*, for the entrance of a set-screw, F, of the stationary pipe A. An opening for the exit of the gas, and a short tube, *d*, at the lower closed end of pipe A, connect, by a spirally-arranged coil of rubber tubing, with a small tube and opening, *e*, of the lower pipe-section G, which is attached by a screw-joint to the chandelier or drop-light. The hose-coil E may be arranged to be inclosed by a cylindrical shell, or it may be made wider toward the middle, to be inclosed by a shell of globular or oval

shape. The shell-sections A' and G', at the ends of pipe A and G, are made to close around the coil, when the chandelier is raised, the shell forming a casing around the coil. A spiral spring, D, is arranged inside of the hose-coil E, and attached to pipe A and G, assisting greatly in the raising up the chandelier.

When the chandelier is to be lowered, the notched groove of the extension-rod C is, by a slight side turn, released from the action of the set-screw F, and the extension-rod readily drawn down to be adjusted to any height by the set-screw catching one of the notches of the grooved rod. The set-screw may also be used to clamp the extension-rod rigidly in any desired position, though the notches will be sufficient for most purposes.

The action of the spiral spring throws the notched side of the groove of the extension-rod against the set-screw, and produces thereby the automatic stop of the chandelier, as soon as released. This axial strain is imparted to the spiral spring D by taking out the set-screw, and turning the extension-rod once or twice around its axis.

The gas passes readily through the stationary pipe, around the interior tube, to the hose-coil, and then through the same to the lower movable pipe connection, and to the burners of the chandelier.

The chandelier is easily operated, and the extension parts neatly, and compactly inclosed to be out of sight when the chandelier is raised.

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

The combination, with stationary gas-pipe A, interior top-closed and bottom-open tube B, and the pipe G of the slide-rod C, coil-tube E, and the spiral spring D inclosed by said tube, all arranged substantially as and for the purpose specified.

HENRY PRESCOTT.

Witnesses:

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