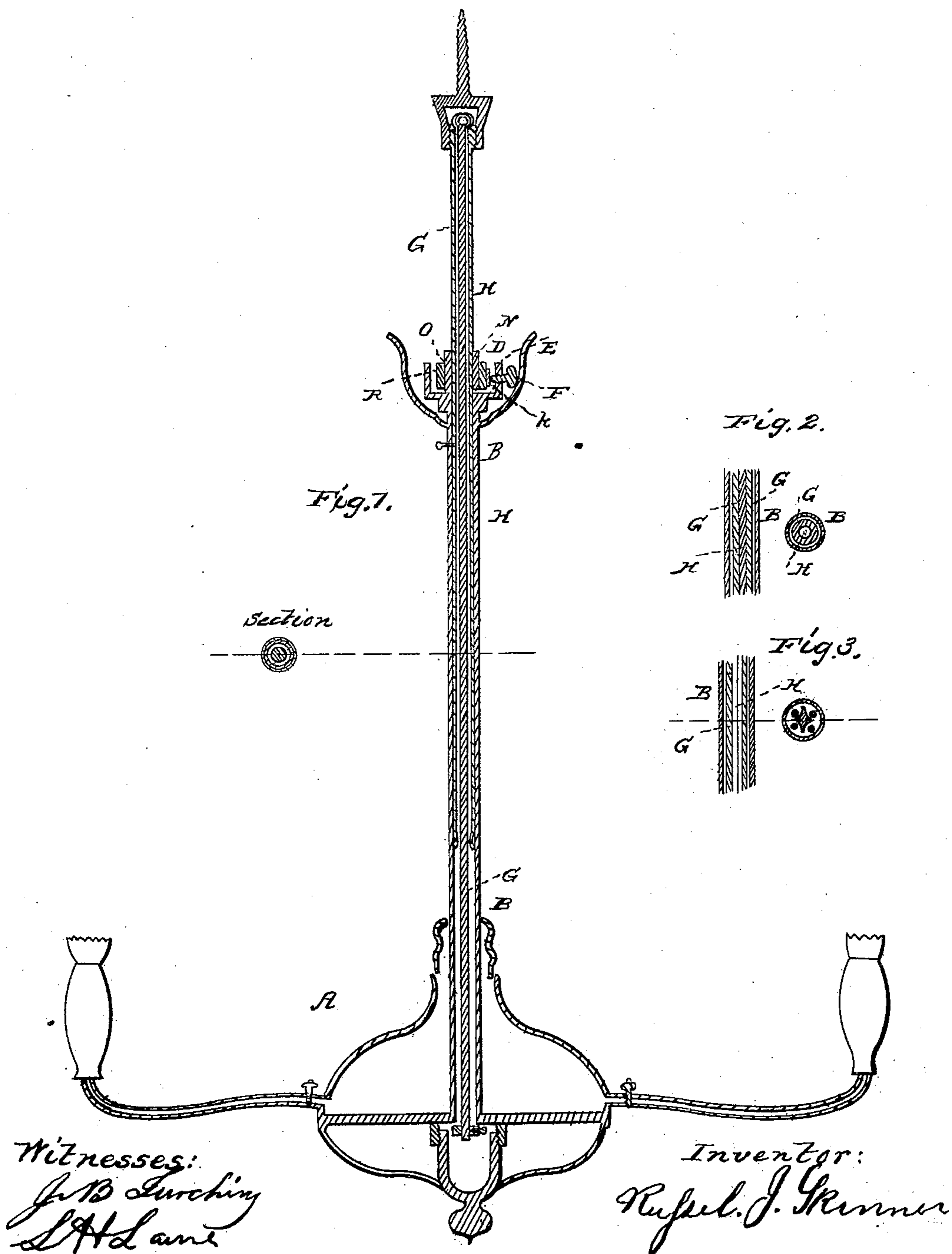


R. J. SKINNER.

Chandelier.

No. 75,064.

Patented March 3, 1868.



United States Patent Office.

RUSSEL J. SKINNER, OF CHICAGO, ILLINOIS, ASSIGNOR TO J. W. SCOTT & CO., OF SAME PLACE.

Letters Patent No. 75,064, dated March 3, 1868.

IMPROVEMENT IN CHANDELIERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, RUSSEL J. SKINNER, of the city of Chicago, in the county of Cook, and State of Illinois, have invented new and useful Improvements in "Chandeliers;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is longitudinal section of the arrangement, and

Figures 2 and 3 partial sections of the other arrangements.

My present invention is an improvement on my previous invention, viz, "chandelier," for which Letters Patent of the United States have been granted to me on May 14, 1867, and numbered 64,719; and its nature consists in replacing the extension-rod, marked L in the aforesaid Letters Patent, by a hollow or solid rod, plain or grooved, and combining the same with an India-rubber or other elastic strap or straps, or hose, in such a manner that when the said chandelier is brought down, the elastic strap, straps, or hose become extended, and, by means of a certain friction-device, the chandelier is kept in place, but when it is desirable to raise the chandelier, a slight pressure to the bottom of the same will move the same upwards, the elastic strap, straps, or hose drawing it up.

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

The following is the best arrangement, in my opinion, of the above-mentioned device, although other arrangements may be used for the same purpose, as will be hereinafter explained:

A is the chandelier, B the chandelier's tube, enlarged at C, where friction-device D is screwed in, said friction-device being the same as described in my previous patent's specification, and consisting of the spool N, movable section O, and elastic band R, to which parts I add now a metallic band, E, with plate f and set-screw F, for the purpose of increasing friction, if necessary. H is a hollow extension-rod, sliding in the chandelier's tube, B, and provided with a screw, to be screwed into the ceiling of the room. G is an India-rubber or other elastic strap, passing through the hollow rod H, and bearing a stopper or some kind of enlargement at both ends.

The operation of the above device consists in this, that when the chandelier is lowered, the set-screw F is tightened, so as to produce friction enough to keep chandelier in place, in which position of the chandelier the India-rubber strap becomes extended, but when it is desirable to raise up the chandelier, a slight pressure of the hand on the bottom of the same will raise it up gradually, the elasticity of the strap G bringing it up. The stopper at the lower end of the strap must be somewhat larger than the diameter of the chandelier's tube, B.

An effect similar to the above can be produced by having a solid extension-rod, and an elastic tube or hose passing over it, as on fig. 2, and acting in place of strap G, tube B being large enough to accommodate both; or a solid extension-rod may be grooved on the outside, and several elastic straps, as on fig. 3, placed into said grooves, acting in place of strap G. The device may be used in gas-chandeliers as well as in others.

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

The hollow or solid extension-rod H, and the India-rubber or other elastic strap, straps, or hose, G, placed inside or outside of the said rod H, both combined, arranged, and operating substantially as herein described and specified, to be used for raising and lowering chandeliers, substantially as herein set forth.

RUSSEL J. SKINNER.

Witnesses:

J. B. TURCHIN,
L. H. LANE.