

(No Model.)

L. PFINGST.

SPRING HOLDER FOR LAMP CHIMNEYS.

No. 347,375.

Patented Aug. 17, 1886.

Fig. 2.

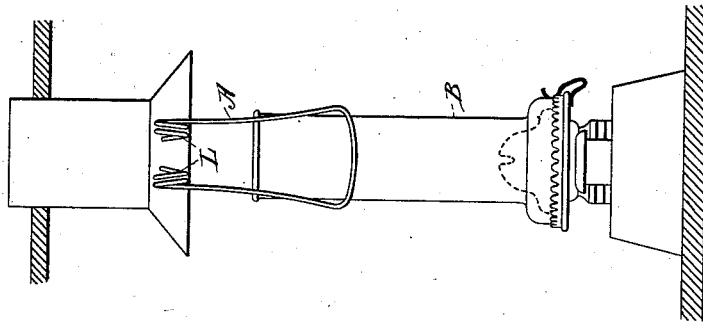
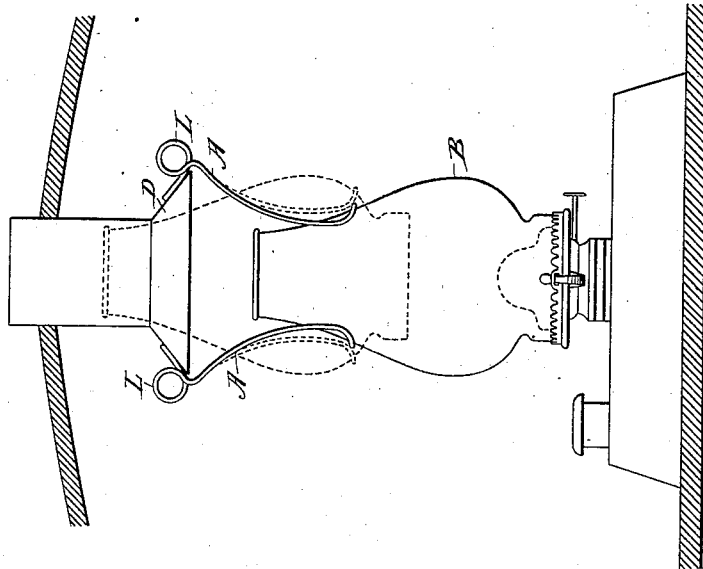


Fig. 1.



WITNESSES:

Frederick Goodwin
E. L. Huber.

INVENTOR

Louis Pfingst
BY Alfred Dowle Phelps

ATTORNEY S

UNITED STATES PATENT OFFICE.

LOUIS PFINGST, OF PULLMAN, ASSIGNOR TO GEORGE M. PULLMAN, OF CHICAGO, ILLINOIS.

SPRING-HOLDER FOR LAMP-CHIMNEYS.

SPECIFICATION forming part of Letters Patent No. 347,375, dated August 17, 1886.

Application filed January 28, 1886. Serial No. 190,080. (No model.)

To all whom it may concern:

Be it known that I, LOUIS PFINGST, a citizen of the United States, residing at the village of Pullman, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Spring-Holders for Lamp-Chimneys, for which I desire to obtain Letters Patent of the United States, and of which the following is a specification.

The object of my invention is to provide a spring for holding the chimney of a lamp used upon cars or in similar places from shaking or rattling, and also so formed that it may be used to support the chimney while the lamp is being trimmed or filled.

In the drawings annexed, forming part of this specification, Figure 1 represents a front view of my improved spring as in position and holding a lamp-chimney, and Fig. 2 is a side view of one of the said springs.

B represents the chimney of any lamp—such as, for instance, one of those used for lighting street-cars. A smoke-bell, D, provided with a chimney, is suitably fixed above the glass chimney B for carrying off the products of combustion. To the rim of the smoke-bell D are fixed two double springs, A, of wire, and provided with spring-coils L, said springs A extending downwardly and inwardly and shaped so as to fit the exterior of the glass lamp-chimney B.

When it is necessary to light or trim the lamp, the glass chimney may be pushed up, when it will be clasped by the springs A and securely held, thus relieving the attendant of taking the glass chimney out of the box and holding it, with a possibility of breakage, while lighting or trimming.

I am aware that it has been proposed to use certain other forms of springs for supporting lamp-chimneys when removed from the lamp; but I know of no arrangement of springs of the form which I have shown, or so well adapt-

ed to the purpose, nor of any spring which is equally adapted by tension and shape to hold the top of the chimney and also to clasp it below the bulge and hold it securely.

I claim—

1. The combination of a lamp, a glass chimney therefor, a smoke-bell and double depending springs attached to said smoke-bell and embracing the chimney on opposite sides thereof, each of said springs being formed of two members placed at such a distance apart as to receive the bulge of the lamp-chimney between them, and connected at their lower tips by a cross-piece, whereby when the lamp-chimney is raised the bulge of the chimney on opposite sides enters the opening between the members of the springs, and the lower side of the bulge rests upon the cross-pieces of the springs supporting the chimney, substantially as shown and described.

2. The combination of a lamp, a glass chimney therefor, a smoke-bell, and depending springs attached to said smoke-bell and resting against the chimney on opposite sides thereof, each of said springs being formed of two members curved inwardly so that their convex side is presented to the chimney, and united at their tips by a cross-piece, the said two members in each spring being placed at such a distance apart as to receive a portion of the chimney between them, and said cross-piece being curved to conform to the contour of the chimney, whereby the chimney will be normally held firmly in position when on the lamp, and when the chimney is raised a portion of the bulge will be forced between the members of the springs and the weight of the chimney will be supported by the cross-piece, substantially as described and shown.

LOUIS PFINGST.

Witnesses:

FREDERICK C. GOODWIN,
E. L. HUBER.