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Patented Dec. 24, 1901.

W. H. KIMBALL.

ADJUSTABLE SUPPORT FOR LENSES FOR LAMPS.

(Application filed Apr. 20, 1899. Renewed Nov. 22, 1900.)

(No Model.)

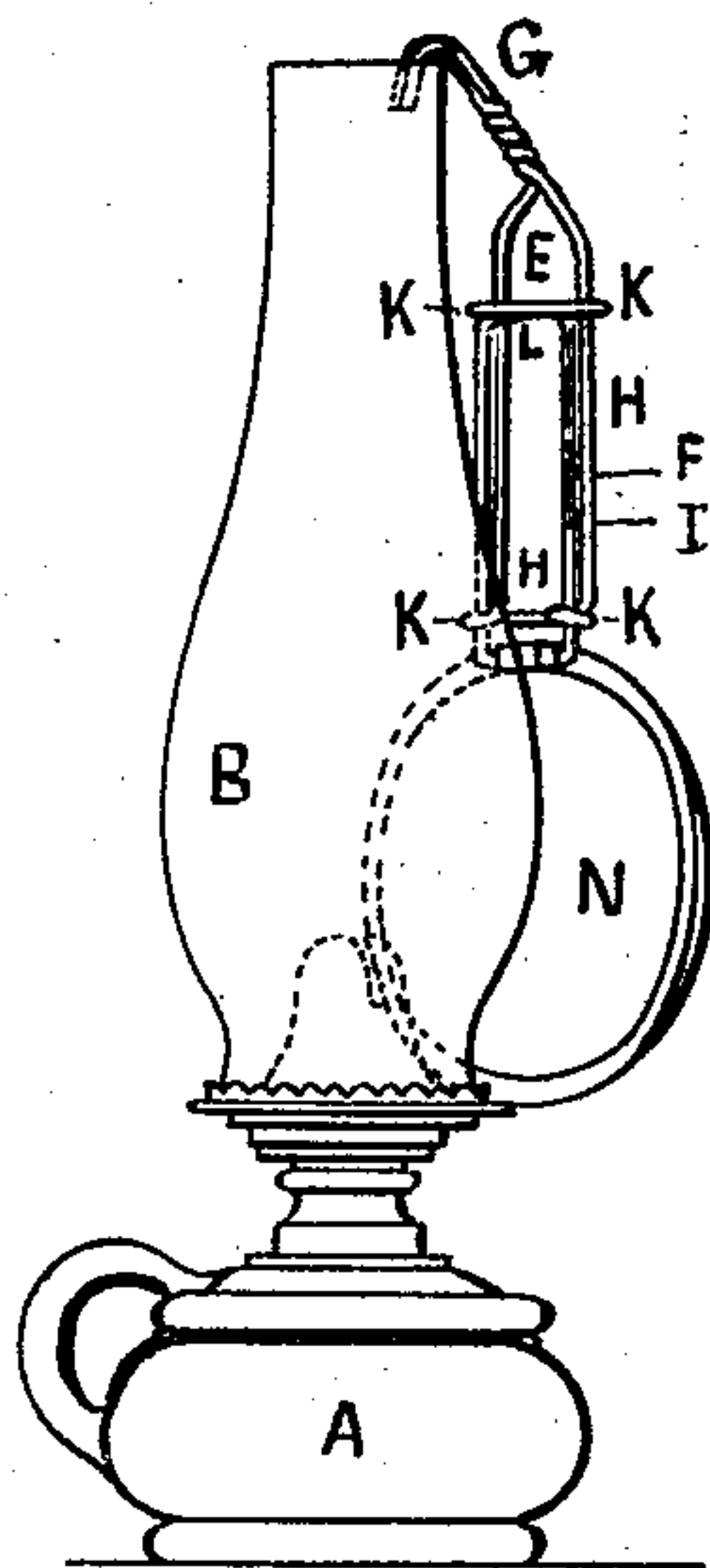


Fig. 1.

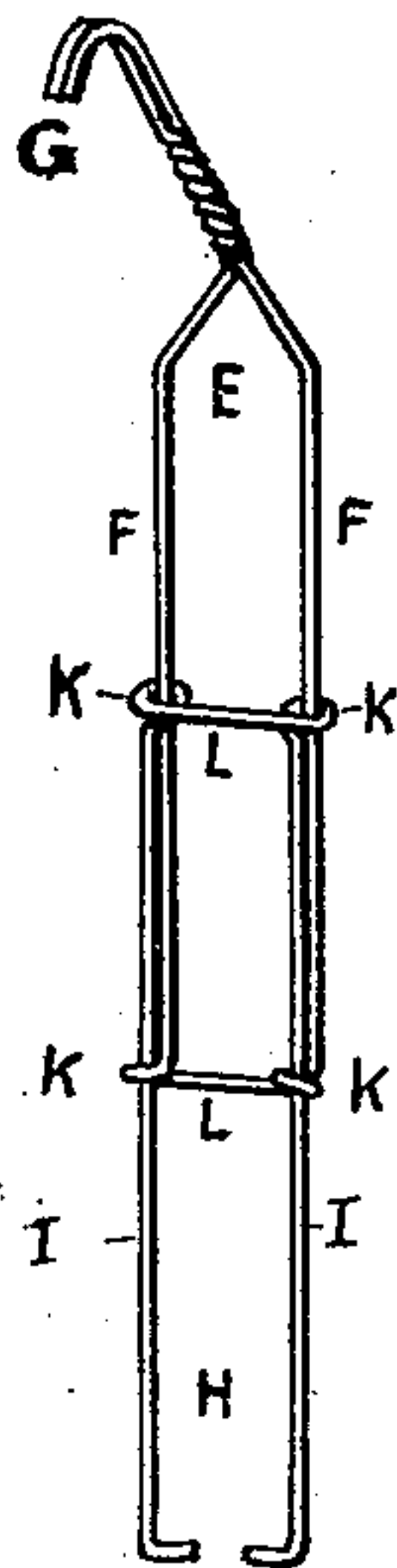


Fig. 2.

Witnesses.

Sylvanus Walker
Benj. V. Lagg

Inventor.

William H. Kimball

UNITED STATES PATENT OFFICE.

WILLIAM H. KIMBALL, OF BOSTON, MASSACHUSETTS.

ADJUSTABLE SUPPORT FOR LENSES FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 689,549, dated December 24, 1901.

Application filed April 20, 1899. Renewed November 22, 1900. Serial No. 37,397. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. KIMBALL, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Adjustable Supports for Lenses for Lamps, of which the following is a specification.

The object of my invention is to provide a cheap, simple, convenient, efficient, and durable wire support for suspending a magnifying or light-increasing lens from the upper end of the chimney of a common kerosene-lamp so as to retain the magnifying-lens in position on the lamp-chimney opposite the flame of the burner when lighted, so as to increase the rays of the same, as heretofore employed for the purpose; and it consists in the construction, combination, and arrangement of the adjustable wire suspension lens-support for lamps, as hereinafter more fully described, and set forth in the claim.

To the drawings hereto annexed, which form a part of this specification, reference is made.

Figure 1 represents an elevation showing an adjustable wire support for lenses for lamps constructed to embody my invention with the same suspended from the top of the chimney of the lamp when in use for magnifying the flame. Fig. 2 represents a perspective view showing an adjustable wire lens-support disconnected from the lens and removed from the lamp-chimney and drawn upon an enlarged scale.

A represents a lamp provided with a chimney B, from the upper end of which is suspended the magnifying-lens N, of usual construction. Now it will be seen and understood that in order to retain the lens at the desired point opposite the flame of the lamp, in order that the best results may be obtained, it will be necessary to provide a support for suspending the lens from the upper end of the chimney B, which support may be lengthened or shortened, so as to correspond with various lengths of chimneys employed upon different lamps. I provide the adjustable wire support consisting of the two similar parts, the upper part E having the two parallel opposite members F bent inwardly and brought together and twisted or connected each with the other, and then the

upper ends thereof are bent so as to form a suspension-hook G, which is adapted to engage with the upper end of the lamp-chimney, as shown in Fig. 1. The lower part H consists of a similar single continuous piece of wire, the opposite parallel members I, the lower ends of which are bent so as to be secured and connected to the metal or frame of the lens N in any suitable manner or as heretofore employed for the purpose. These upper and lower parts E and H may be previously constructed exactly alike before the extreme upper and lower ends are bent, as shown. Each part E and H, having straight parallel opposite members F F and I I, is provided with a right-angle cross-piece L and small eyes K, formed at the right-angle corners of the parallel portions F F and I I at the points of their intersection with the opposite eye portions K of the connecting cross-piece L, as shown in Fig. 2. Now it will be seen that the straight parallel members of each part E and H are slipped through the eyes K of the opposite part, so that the four parallel members passing through the four corresponding eyes K will produce sufficient friction to sustain each of said parts in the relative position desired, by which means the adjustment of the said wire support longitudinally to the length desired may be easily and quickly effected, so as to elongate or shorten the relative distance between the hook G and lens N, as above described.

Having thus described my invention, what I claim is—

As an improved article of manufacture, the adjustable wire support for suspending a lens from the upper end of a lamp-chimney, consisting of an upper part provided with an attaching-hook and having parallel members connected by a right-angle portion having small bent eyes which engage the parallel members of the lower part, and the lower part adapted to be attached to a lens and having parallel members connected by a right-angle portion having small bent eyes which engage the parallel members of the upper part; all being constructed and arranged as described.

WILLIAM H. KIMBALL.

Witnesses:

SYLVENUZ WALKER,
BENJ. V. PAGE.