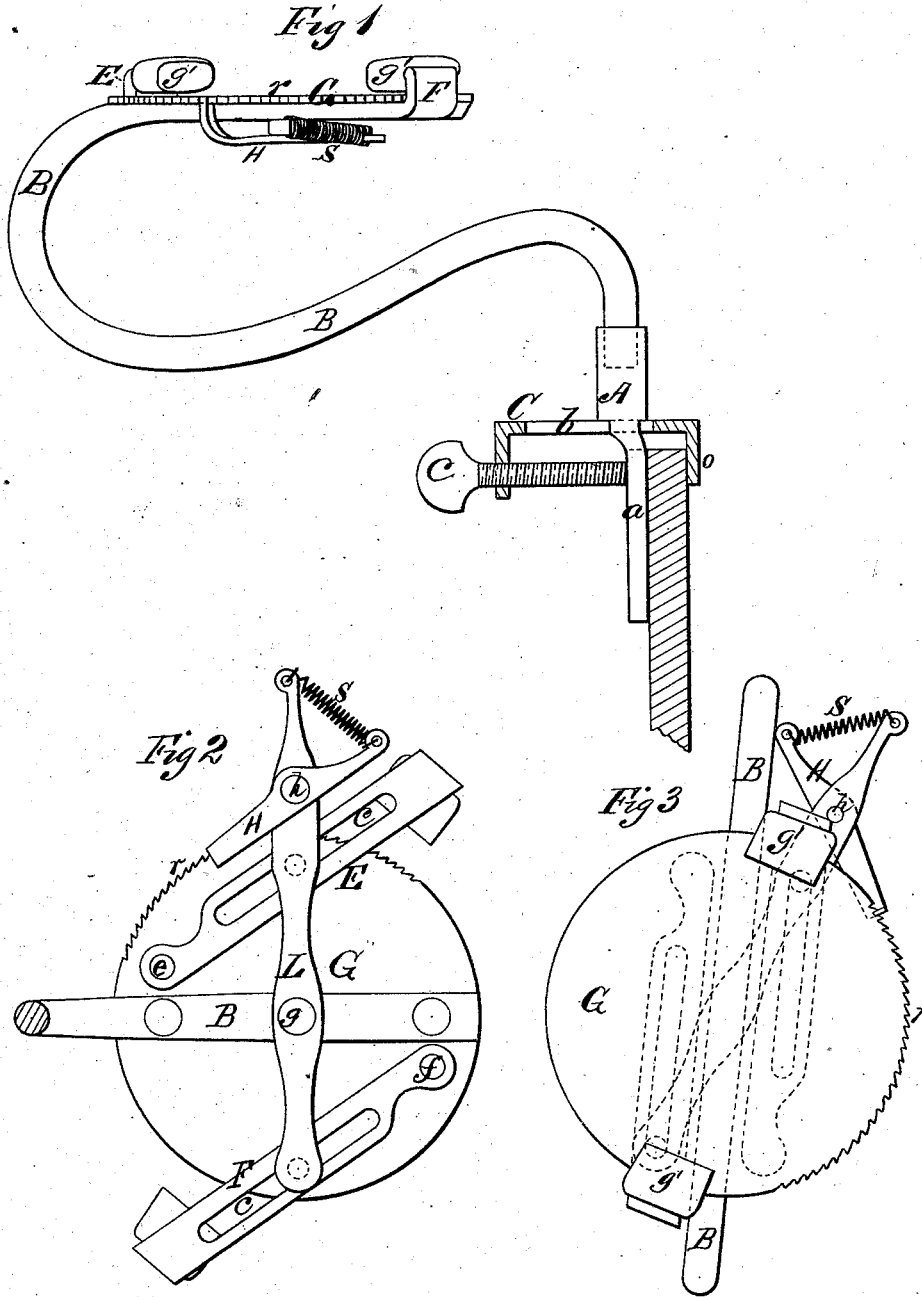


E. BACON.  
Lamp-Stand.

No. 161,088.

Patented March 23, 1875.



WITNESSES  
*Mary S. Utley.*  
*E. V. Bates*

INVENTOR  
*Elisha Bacon*  
*Chipman & Co*

ATTORNEYS

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Fig 4

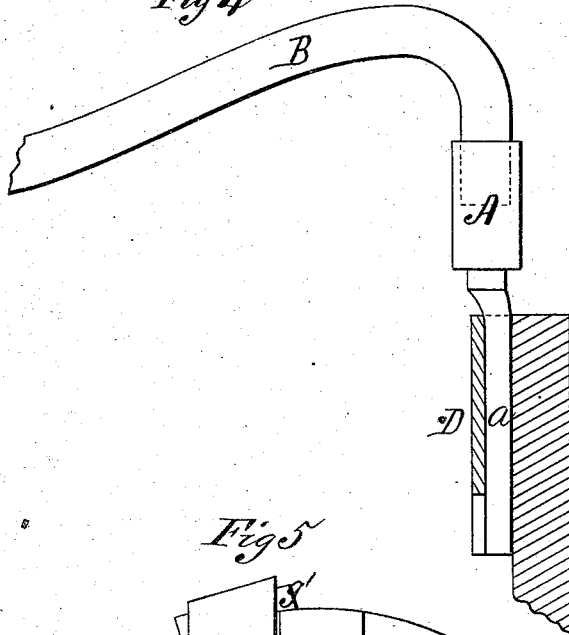
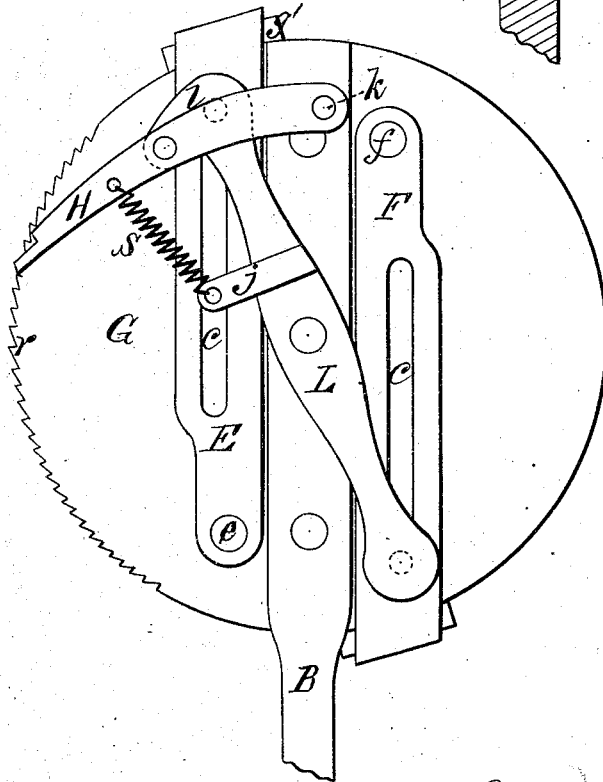


Fig 5



WITNESSES

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# UNITED STATES PATENT OFFICE

ELISHA BACON, OF SOUTH AVON, NEW YORK.

## IMPROVEMENT IN LAMP-STANDS.

Specification forming part of Letters Patent No. 161,088, dated March 23, 1875; application filed January 30, 1875.

*To all whom it may concern:*

Be it known that I, ELISHA BACON, of South Avon, in the county of Livingston and State of New York, have invented a new and valuable Improvement in Lamp-Stands; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side view, part sectional, of my lamp-stand; and Figs. 2 and 3 are plan views of the same. Fig. 4 is a detail view, and Fig. 5 is a plan view.

This invention has relation to improvements in lamp-stands. The object of the invention is to produce a lamp-stand which, while capable of being used to advantage in any of the purposes to which such devices are commonly applied, is more especially designed to be used in connection with musical instruments—pianos, organs, and the like—for the purpose of placing the lamp in such a position as to throw the best possible light upon the music.

To this end the nature of the invention consists in combining, with a socket receiving the end of the stem of a horizontally-vibrating lamp-stand, an adjustable slotted clamp-plate adapted to be applied upon an edge of a piano, music-stand, or other object, whereby the stand is capable of being placed in any desired position wherein the lamp will afford the most advantageous light to the operator. It also consists in combining with a lamp-stand vibrating clamps actuated by a lever to compress the base of a lamp, whereby it is rigidly held against casual oversetting when a pawl upon the lever is engaged with a rack upon the stand, as will be hereinafter more fully explained.

In the annexed drawings, A designates the socket, into which is stepped the end of the stem B of a horizontally-vibrating lamp-stand, the socket, stem, and stand being of any suitable metal, of all and every dimensions, and of any desired degree of ornamentation. This socket has a broadened shank, *a*, of suitable length, adapted to be inserted into a slot, *b*, of a strong metallic clamp-plate, C, which latter is provided with a set-screw, *c*, adapted to be used for the

purpose of setting up the shank *a* of the socket rigidly against any object embraced between it and the leg *a* of the shank. It may thus be applied to any object about the room, as a piano, sewing-machine, and the like, and at that part thereof where the light would be received to the best advantage by the operator. Socket A may be detached from the clamp by turning the broad part of its shank in the length of the slot *b*, and then drawing it through the same. It may then be inserted, in the usual well-known manner, into a socket, D, rigidly and permanently attached to the wall. E and F designate two horizontally-vibrating levers, pivoted respectively, at *e* and *f*, to the under side of a circular lamp-stand, G, and each provided with a longitudinally-cut slot, *c*, adapted to receive a pin rigidly secured to the under side of a horizontally-vibrating actuating-lever, L, pivoted at *g* to the stand. The power end of this lever extends some distance beyond the peripheral edge of the lamp-stand, for a purpose hereinafter explained. The free ends of levers E F are turned upward and over, and are provided with flexible rubber shoes *g*, which may, however, be of any suitable material, so that, when they are caused to vibrate inward upon the lamp-stand, the base of a lamp placed thereon will be rigidly clamped between the said shoes, and will thereby be held against casual oversetting.

With a view to holding shoes *g'* to this engagement and rendering their useful function permanent in duration, a horizontally-vibrating pawl, H, is pivoted at *h* to the projecting end of actuating-lever L, with its weight end engaged with a toothed rack, *r*, upon the edge of the stand, this engagement being accelerated and maintained by means of a helical spring, S, rigidly secured to and connecting the power ends of the pawl and lever, as shown in Figs. 2 and 3.

Pawl H, instead of being arranged, as above described, at one side of the stand, may be placed under it by a slight variation in construction, which I shall now explain. Lever G terminates with the edge of the stand, its end being provided with a lug, *l*, upon which pawl H is pivoted, with its outer end engaged with rack *r*. One end of spring S is secured at *i* to the said pawl, and its other end to an

arm, *j*, projecting from the said actuating-lever, all as shown in Fig. 5. When adopting this modification I propose to employ a suitable knob, *k*, rigidly secured to the power end of pawl *H*, in order that it may be more conveniently manipulated.

The advantages, if any, possessed by this modification over that formerly described are, that the working parts of the clamping device are out of sight and out of the way, and, in consequence, the stand is made to present a more elegant appearance, and is less liable to be overturned by being casually caught in the folds of the dress.

The shank *a* of socket *A* and the inner side of the leg *o* of the clamp *C* are provided with the usual well-known material for the purpose of protecting finished furniture from being scratched.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a lamp-stand, the detachable bracket-socket *A*, having a flat shank, *a*, in combination with a slotted detachable clamp, *C*, and set-screw *c*, substantially as specified.

2. The slotted clamping-levers *E F* and their actuating-lever *L*, in combination with the platform of a lamp-stand, substantially as specified.

3. The combination, with a lever, *L*, actuating the clamps, and the platform of a lamp-stand, of the vibrating pawl *H*, substantially as specified.

4. The combination, with a pawl, *H*, adapted to engage with a rack, *r*, of a lamp-stand platform, of the spring *s*, for holding the same to an engagement therewith, substantially as specified.

5. The combination, with the simultaneously-actuated clamping-levers *E F*, of the shoes *g'*, of any flexible material, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ELISHA BACON.

Witnesses:

FRANKLIN STEVENS,  
CHAUNCEY B. STEVENS.