

(No Model.)

J. KINTZ.

EXTENSION STANDARD FOR LAMPS.

No. 389,577.

Patented Sept. 18, 1888.

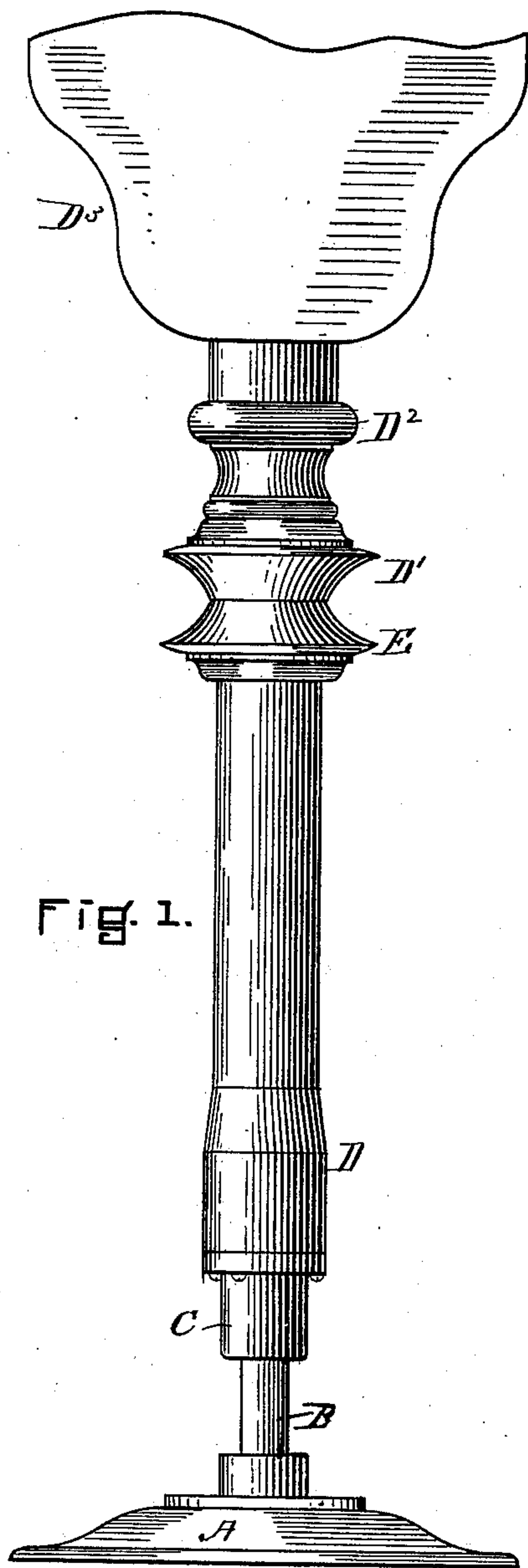


Fig. 1.

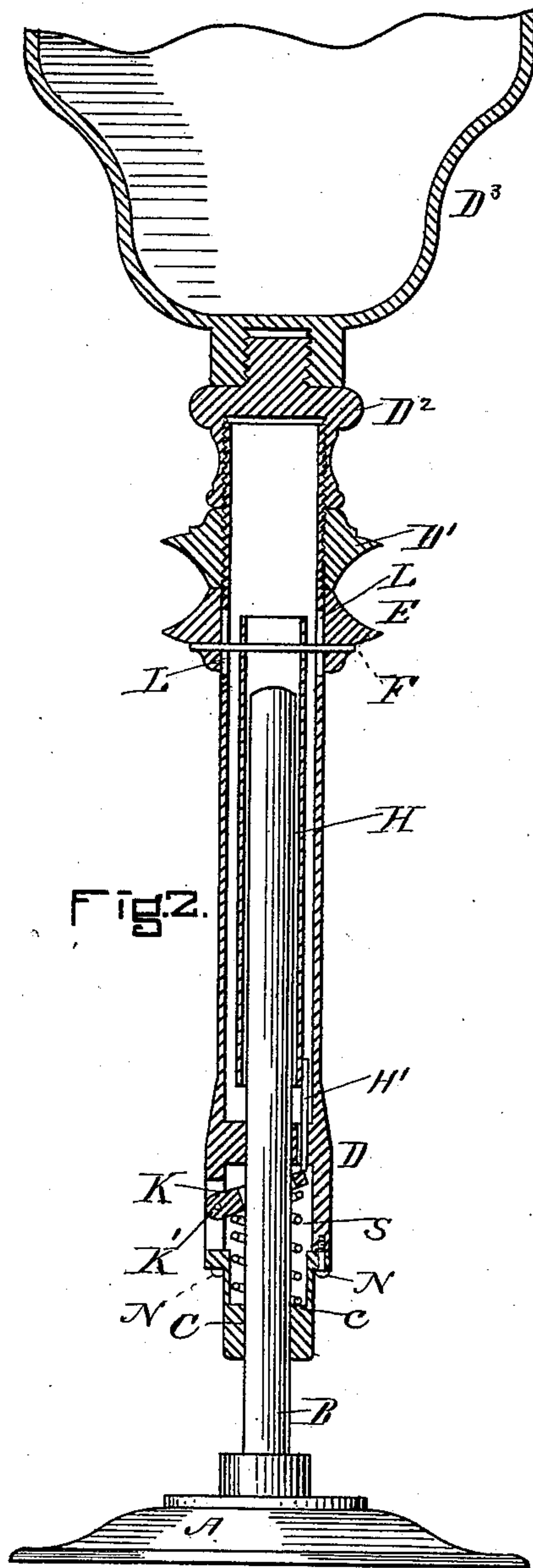


Fig. 2.

WITNESSES.

Arthur S. David  
Matthew M. Blunt.

INVENTOR.

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# UNITED STATES PATENT OFFICE.

JOSEPH KINTZ, OF BALLARD VALE, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO THE CRAIGHEAD & KINTZ MANUFACTURING COMPANY, OF SAME PLACE.

## EXTENSION-STANDARD FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 389,577, dated September 18, 1888.

Application filed December 5, 1887. Serial No. 257,065. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH KINTZ, of Ballard Vale, in the county of Essex and State of Massachusetts, have invented a certain new and useful Improvement in Check Devices for Extension Standards for Lamps, of which the following, taken in connection with the accompanying drawings, is a specification.

The objects of my invention are to so improve the construction of extension standard check devices that the whole may be entirely inclosed within the outer casing of the standard, be simple to operate, and durable. These objects I attain by the mechanism shown in the accompanying drawings, in which—

Figure 1 is an elevation of my invention, and Fig. 2 is a vertical section of the same.

Referring to the drawings, A represents a base-piece, and B a rod fixed rigidly to the base-piece. This rod forms the central part of the standard and serves as a support for the other parts.

C is a foot-piece attached to the lower end of the tube D by screws N, Fig. 2. At the upper end of the tube D a boss, D', and head-piece D<sup>2</sup> are attached by screw-threads, as shown in Fig. 2, and at the upper end of the head-piece D<sup>2</sup> a receiving-cup, D<sup>3</sup>, or other article to be supported is attached.

The foot-piece C has a shoulder, c, which serves to form a buttress to the lower end of the spring S. The upper end of the spring S rests against the swinging collar K. The collar K is pivoted at K' to the tube D, and, surrounding the rod B, serves as a clamping device to support the tube D and its connected parts. The hole in the clamping-collar K is made somewhat larger than the rod B, so that when the said collar stands at right angles to the rod it can freely slip upon it; but when the collar K is inclined, as shown in Fig. 2, then it will clamp onto the rod B and prevent the tube from sliding down. The tendency of the spring S is to throw up the collar K and cause it to hold the tube D in place.

When it is desirable to lower the tube D, I make use of the following device: E is a boss, located just beneath the fixed boss D', and is free to slide on the tube D. F is a pin passing through the boss D', through slots L L made in the tube D, and also through the inner tube H, to which it is attached. At the lower end of the tube I attach a small rod or extension-piece, H', the lower end of which rests upon the top of this clamping collar K at a point about opposite to the pivot K'. (See Fig. 2.)

From the above it may be seen that if the boss E is pushed down it, acting through the pin F, tube H, and small rod H', will cause the clamping-collar K to assume a position at right angles to the rod B, and thus be free to slide upon it and to permit the tube D and its connected parts to lower down. As soon as the boss E is released, the spring S will react and throw the clamping-collar K back into its clamping position.

The lower part of the foot-piece C, attached to the lower end of the slotted tube D, fits accurately upon the rod B and thus guides it.

I claim—

In an extension-standard for lamps, the combination of the base A, rod B, and the slotted tube D, having the collar C at its lower end adapted to fit accurately on the rod B and slide on the same, and having a chamber near its lower end for holding the clamping device, with the clamping ring-lever K, spring S, the sliding boss E, having a pin, F, and the tube H, having an extension-rod, H', all adapted to operate together, substantially as described, and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 30th day of November, A. D. 1887.

JOSEPH KINTZ.

Witnesses:

FRANK G. PARKER,  
ARTHUR S. DAVIS.