

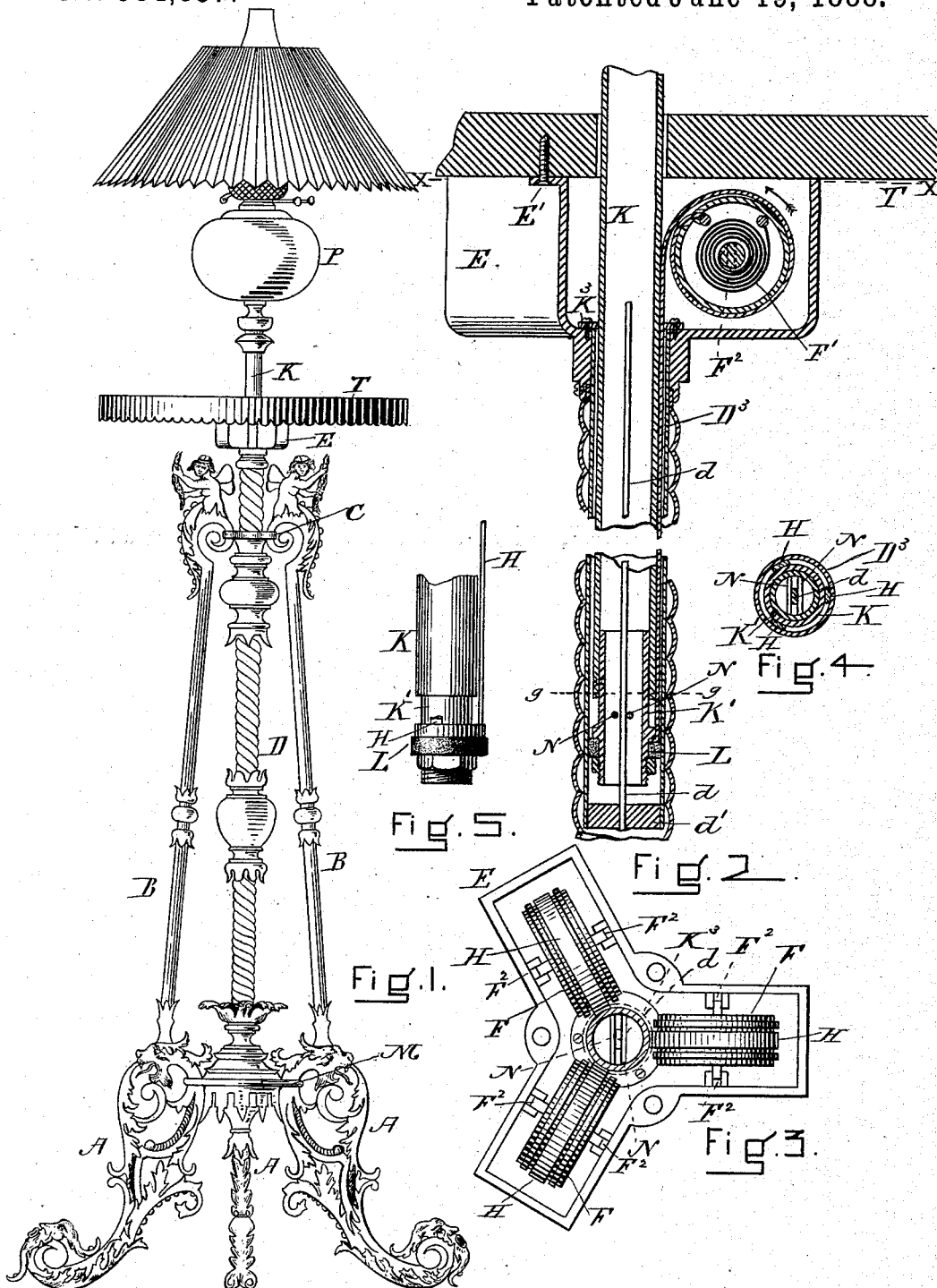
(No Model.)

J. KINTZ.

COMBINED TABLE AND LAMP.

No. 384,857.

Patented June 19, 1888.



WITNESSES.  
*Franklin Parker*  
*Matthew H. Blunt*

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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.

## COMBINED TABLE AND LAMP.

SPECIFICATION forming part of Letters Patent No. 384,857, dated June 19, 1888.

Application filed February 23, 1888. Serial No. 264,965. (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 new and useful Improvement in a Combined Table and Lamp, of which the following, taken in connection with the accompanying drawings, is a specification.

The object of my invention is to so combine a lamp and table with each other and with an adjustable mechanism that the lamp may be moved up and down to any desired height and supported, together with the table, by a single extension-standard. This object I attain by the mechanism shown in the accompanying drawings, in which—

Figure 1 is an elevation of my device. Fig. 2 is a vertical section through a part. Fig. 3 is a plan view taken on line X X of Fig. 2. Fig. 4 is a horizontal section taken on line g g of Fig. 2. Fig. 5 shows parts in detail.

In Fig. 1 I have shown an elevation of my device, in which A A A represent three ornamental legs, all firmly united to a base center piece, M. From the top of each of the legs A A a brace, B, extends upward and joins an upper center piece, C, as shown. From the center of the base center piece, M, a central tube, D, extends upward and, passing through the upper center piece, C, to which it is firmly attached, extends upward to the box E, to which it is also firmly attached. The upperside of the box E is secured, by screws E' or otherwise, to the part T, that constitutes the table. This table T may be made of any desirable size and style of ornamentation, and may be adapted to serve as a work-table or for any use that a small table is adapted to.

The lamp P and its parts are supported on a sliding extension-tube, K. This tube K fits loosely within a tube, D<sup>3</sup>, and has attached to its lower end a smaller tube, K', said smaller tube K' being rigidly attached to the interior of the tube K and extends somewhat below the bottom of it, and is constructed so as to receive a soft packing, L. Said soft or yielding packing L fits closely within the tube D<sup>3</sup>, and prevents any noise from arising from the movement of the tube K K'. At the junction of the tube D<sup>3</sup> with the box E, I place an angular guard-piece, K<sup>3</sup>, which serves to hold D<sup>3</sup>

in place and to make a close fit for the extension-tube K and thus steady it.

d, Figs. 2, 3, and 4, is a flat plate or bar of metal attached at its lower end to a disk-piece, d', affixed to the bottom of the tube D<sup>3</sup>, and extends upward, as shown in Fig. 2. This flat plate d, being located between the two guide-pins N and N, attached to the extension-tube K', prevents the tube K from being turned around on its axis independently of the stand.

To balance the lamp and its parts I have the following device:

Within the box E, I place one or more spring-drums, F. In the drawings I have shown three of these drums. These drums are mounted on axes F<sup>2</sup>, that do not rotate; but the drum is free to rotate on its axis. Within the drum F, I have a coiled spring, F', Fig. 2, the inner end of the said spring being attached to the axis F<sup>2</sup>, which is fixed as has been stated, and the outer end is fixed to the inner periphery of the drum F, so that when the drum is turned in one direction, as indicated by the arrow in Fig. 2, the spring is wound up or given tension, the tendency of which is to turn the drum in the direction opposite to that indicated by the arrow in Fig. 2. To utilize this tension of the spring F', I attach to the outside of the drum F a strap or cord, H, the lower end of which is attached to the lower end of the extension-tube K', Figs. 2 and 5, so that the tendency of the drum F to revolve by the action of the spring F' acts as a balance for the weight of the lamp and its part. By carefully adjusting the tension of the spring F', I am enabled to exactly balance the weight of the lamp and its parts.

By this device I can set the lamp at any desired height above the table, where it will remain as long as may be required.

I claim—

In a combined table and lamp device, the combination of the table T, spring-drum F, and strap H with the tube D<sup>3</sup>, extension-tube K K', guide-pins N N, bar d, and lamp P, all arranged to operate together, substantially as described, and for the purpose set forth.

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Witnesses:

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