

(No Model.)

W. A. OTTO.

COMBINED TABLE LEG AND HANGER.

No. 344,399.

Patented June 29, 1886.

Fig. 1.

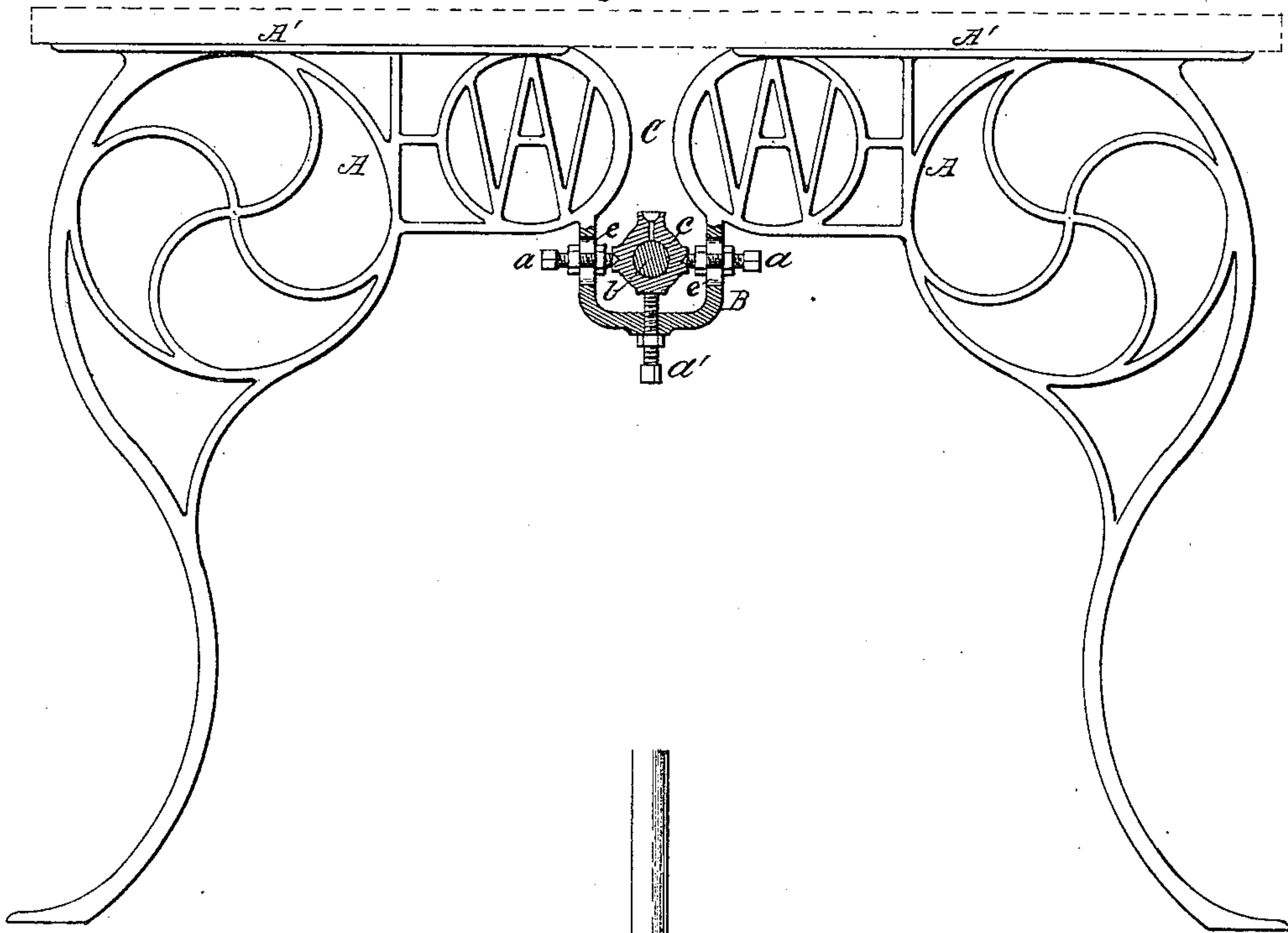
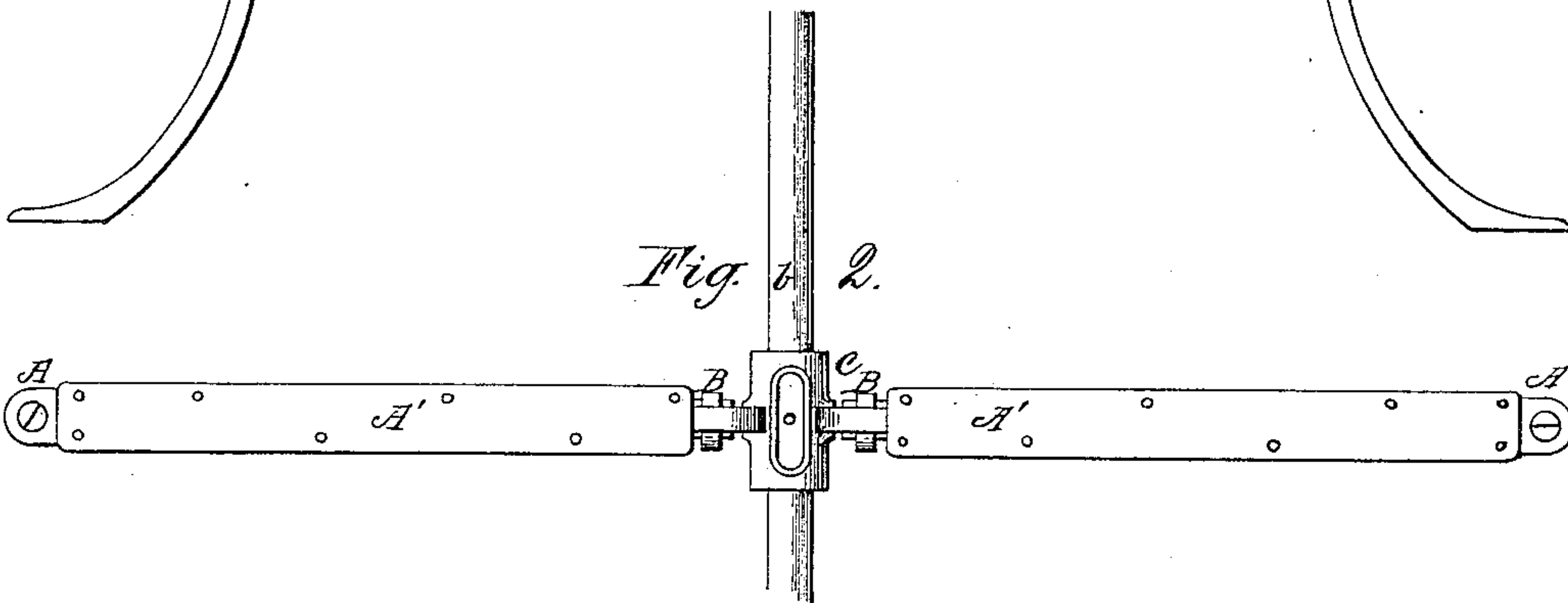


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM A. OTTO, OF CEDAR RAPIDS, IOWA.

COMBINED TABLE-LEG AND HANGER.

SPECIFICATION forming part of Letters Patent No. 344,399, dated June 29, 1886.

Application filed October 31, 1885. Serial No. 181,443. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. OTTO, a citizen of the United States, residing at Cedar Rapids, in the county of Linn and State of Iowa, have invented certain new and useful Improvements in Combined Table-Legs and Hangers, of which the following is a specification.

This invention relates to the mounting of line-shafts under work-tables, and more particularly factory-tables, upon which are arranged sewing-machines or other light machinery, and the object of the invention is to combine the table-leg and the hanger in one for greater simplicity, and for the purpose of disconnecting the line-shaft and its mountings entirely from the floor.

The invention consists in the peculiar construction and arrangement of a table leg, in combination with a hanger, as will be hereinafter fully set forth and described.

In the accompanying drawings, forming a part of this specification, Figure 1 represents a side elevation of the invention, showing a vertical section of the hanger and its connections; and Fig. 2 a plan view of the same.

Similar letters of reference indicate corresponding parts.

The table-leg A is made of iron, in a suitable design. Its special form is not very important, except that it is desirable to make the lower part quite open so as to give easy access to the under side of the table in sweeping, or for any other purpose. The legs are provided with suitable feet, by which they are attached to the floor, and the upper part of the legs are expanded into a flange, A', by means of which they are secured to the table. A pair of these legs is formed from a single casting, and is adapted to extend across the table and support both sides thereof. In the middle of the casting is formed a hanger, B, to receive the box c of the line-shaft b. The box is mounted on pointed set-screws a a, provided with jamb-nuts, and by means of these a lateral adjustment is secured. The set-screws pass through vertical slots in the sides of the hanger, and a corresponding adjustment is effected by means of the central set-screw, a'. Above the hanger the casting separates, leaving an open space, C, adapted to admit the line-shaft from above, so that the legs may be first fastened to the floor, the line-shaft be then conveniently placed in

position, and the table afterward attached, when it serves to truss the respective parts of the casting. By this construction and arrangement of the hanger, in connection with the table-leg, the matter of mounting the line-shaft is rendered very easy and simple, the screwing down of the table-legs being all that is necessary beside the slight adjustment of the box in the hanger. In addition to this, an important advantage is gained in the matter of clearing the floor from obstructions, so that it may be easily swept, and in some cases may be supplied with carpet, which, with the present arrangement of hangers attached directly to the floor, is difficult or impossible. Furthermore, the shaft is elevated so far from the floor as to be entirely out of the way of the feet or clothing of the operator, and the liability to accidents is thus greatly diminished.

I am aware that it is common to mount shafting in boxes attached to the supporting-frames of machinery; and I make no claim to a pair of table-legs, broadly, adapted to accomplish this result; but I am not aware that a table-leg, or pair of table-legs, has ever before been devised having an adjustable hanger formed integral therewith and especially adapted for a line-shaft.

Having thus briefly described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The described table-leg A, having formed integral therewith the hanger B, adapted to receive the box c, and provided with means for the lateral and vertical adjustment of the box, substantially as and for the purpose set forth.

2. The double table-leg described, having a hanger formed in the middle and integral therewith, and provided with the opening C above the hanger, whereby the line-shaft may be lowered into the hanger, substantially as and for the purpose set forth.

3. The combination of the double table-leg A A, hanger B, with the opening C above the same, and having slots e e, and set-screws a a a', and the box c, all constructed, arranged, and adapted to operate substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

Witnesses: WILLIAM A. OTTO.
E. R. WATTERS,
P. F. HARTING.