P. J. LILJEHOLM.

TABLE-LEAF SUPPORT.

No. 184,636. Patented Nov. 21, 1876.

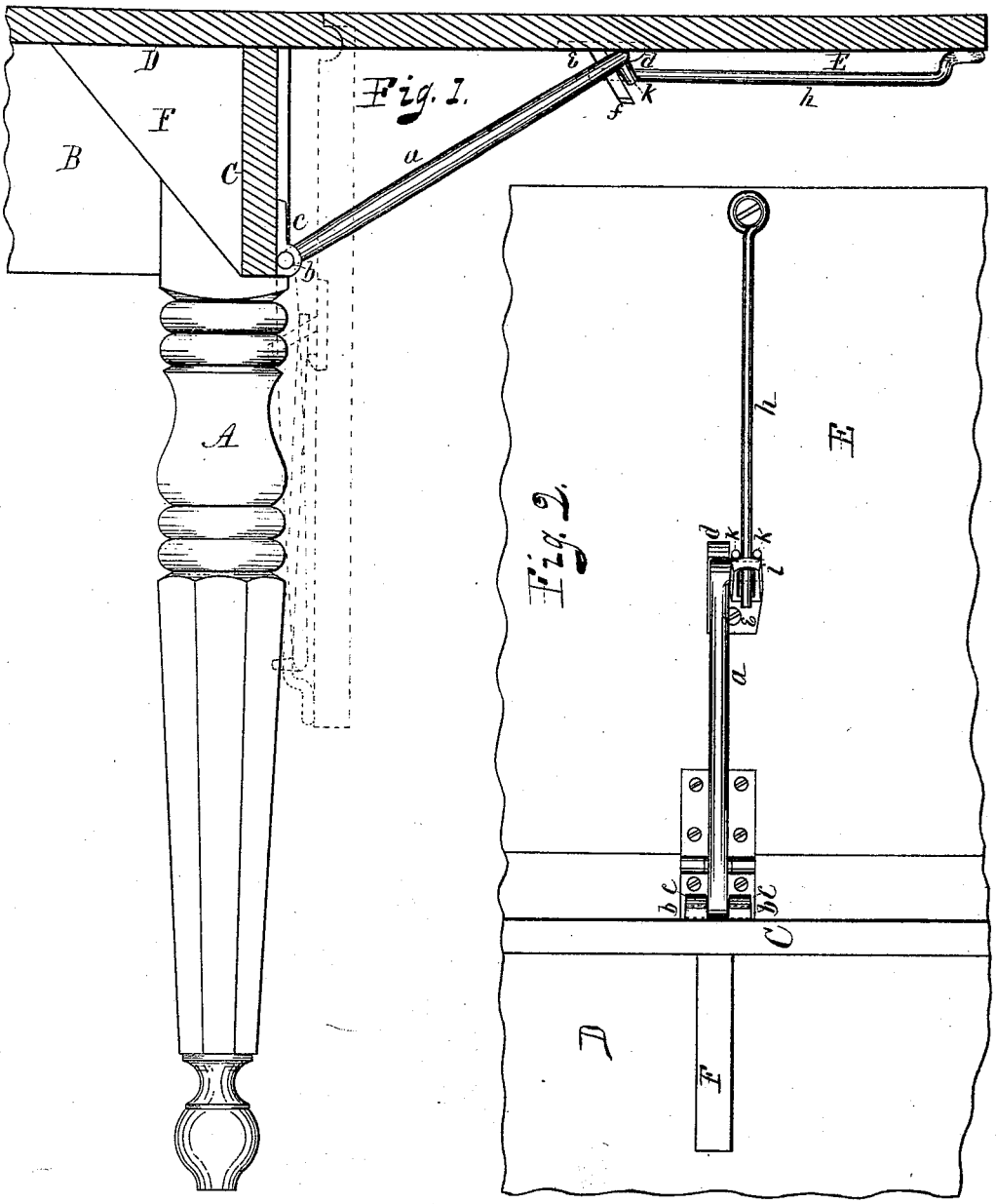

Fig. 1.

Fig. 2.

Attest.
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PETER J. LILJEHOLM, OF ROCKFORD, ILLINOIS.

IMPROVEMENT IN TABLE-LEAF SUPPORTS.

Specification forming part of Letters Patent No. **184,636**, dated November 21, 1876; application filed May 15, 1876.

To all whom it may concern:

Be it known that I, PETER J. LILJEHOLM, of the city of Rockford, in the county of Winnebago and State of Illinois, have invented a new and useful Improvement in Table-Leaf Supports, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to produce a table leaf support at a small cost, which can be easily applied, and that will be a reliable support. To this end I have constructed and arranged the device represented in the accompanying drawings, in which—

Figure 1 is a transverse sectional elevation of a portion of a table, consisting of one leg, a portion of the frame and top, and leaf, with my improved leaf-support in place. Fig. 2 is a view of the under side of a transverse central portion of one side of a table, with the leaf-support in place.

In the drawings, A represents a corner leg of a table, into which the end piece B and side piece C are framed, in the usual manner, and constitutes a corner portion of a table-frame. D represents a portion of the fixed top of a table secured to the frame, and E represents the falling leaf, jointed and hinged to the fixed top D. A triangular piece, F, is secured to the top D and side piece C, in the inner angle formed by these parts, and serves as a brace to the side piece C. These parts are substantially the same as now found in the trade and in common use. *a* is a metallic brace of any suitable form, provided at one end with T-formed journals *b*, fitted in hinge form in plate *c*, secured near the lower edge of side frame C, in such a manner as to permit its outer end to move up and down in a vertical plane. The outer end of brace *a* is fitted to engage the catch *d* on catch-plate *e*, which is let into, and is secured in place on, the under side of the falling leaf, and serves to hold the leaf in an extended horizontal position. The catch-plate *e* is provided with an oblique arm, *f*, projecting from the plate at bout right angles to the brace *a*, and is inside of the catch *d*. The oblique arm *f* is slotted centrally lengthwise, to receive the free end of the spring *h*, and permit it to play freely in the slot. The catch end of brace *a* is provided with an L-formed lateral projecting arm, *i*, which, when the leaf is raised, comes in contact with the arm *f*, and prevents the leaf from rising above a horizontal position, to prevent undue strain upon the hinged joint. *h* is a wire spring, of the form represented in the drawings, secured to the under side of the falling leaf near its outer edge, its free end overlapping the lateral projecting arm *i*, and is received in the slot in arm *f*. The force of the spring holds the outer end of brace *a* in contact with the catch *d*. *k* are studs projecting from the lateral arm *f*, and rise one on each side of the spring *h*, and serve as guides to hold the brace in position relatively with the spring, and permit it to slide thereon in raising and lowering the leaf.

To lower the leaf E, sufficient force will be required to overcome the force of the spring *h*, so as to disengage the brace *a* from the catch *d*, when the leaf will drop into the position represented in the dotted lines in Fig. 1, the brace *a* sliding between the leaf E and spring *h*, being held in position on the spring by studs *k*.

To fix the leaf E in the horizontal position, it will only require the leaf to be raised to the position, when the brace *a* will be forced by the action of the spring to engage the catch *b*, which will hold the leaf in the required position.

I claim as my invention—

The hinged brace *a*, spring *h*, and catch-plate *e*, the spring operating to force the brace to engage the catch, and serving as a guide-way, on which the brace slides in raising and lowering the leaf, these parts constructed, arranged, and operating substantially as and for the purpose hereinbefore set forth.

PETER J. LILJEHOLM.

Witnesses:

AUGUST PETERSON,

ALEXANDER STEINMAN.