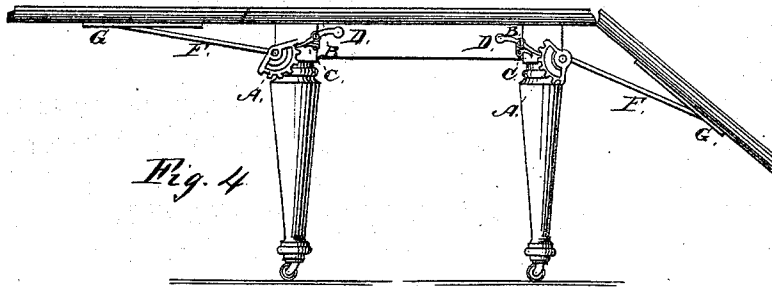


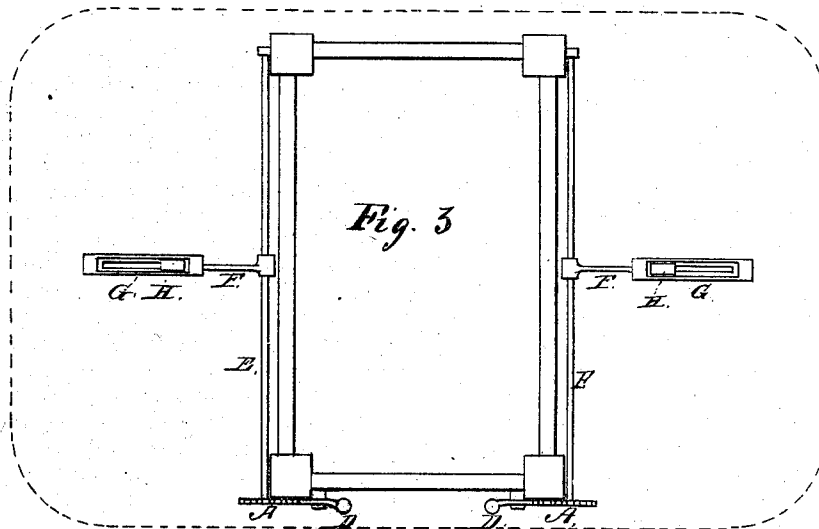
E. W. PERRIN.
Table-Leaf Supports.

No. 141,887.

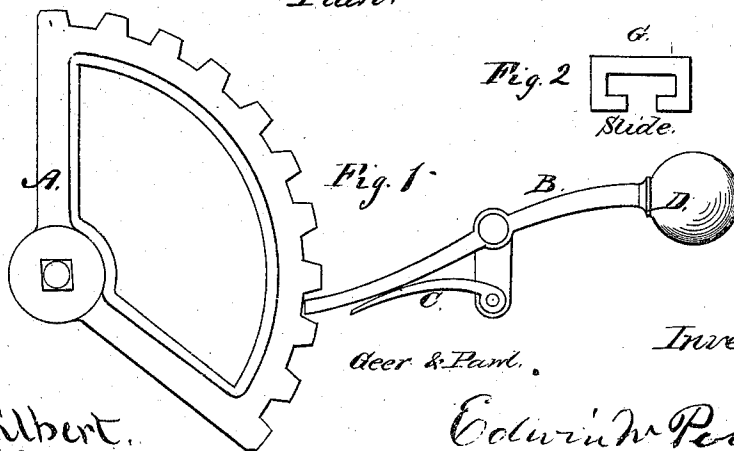
Patented August 19, 1873.



Final Elevation.



Plan.



Witnesses.

W. H. Gilbert.
 Andrew J. Moses.

Geor. & Parl.

Inventor.

Edwin W. Perrin

UNITED STATES PATENT OFFICE.

EDWIN W. PERRIN, OF PORTLAND, OREGON, ASSIGNOR OF ONE-HALF HIS
RIGHT TO W. ED. WELDON, OF SOLANO COUNTY, CALIFORNIA.

IMPROVEMENT IN TABLE-LEAF SUPPORTS.

Specification forming part of Letters Patent No. **141,887**, dated August 19, 1873; application filed
December 16, 1872.

To all whom it may concern:

Be it known that I, EDWIN W. PERRIN, of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Method of Supporting Table-Leaves; and I do hereby declare that the following is a full and exact description of the same.

The nature of my invention consists in supporting table-leaves when fully opened or set at any angle for writing-desk purposes by means of levers and gearing.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 is detailed elevation of gear and pawl. Fig. 2 is section of guide. Fig. 3 is plan of under-side table. Fig. 4 is an end elevation.

E E are rods fastened to the side of table casing, under the leaf, and having a bearing at each end. A A is a segment with teeth. D is a pawl. C is a spring fastened to pawl-plate. F F are levers. G G are groove-guides. H H are cross-heads.

I will now proceed to describe the manner of its working: I fasten to the under side of the table-leaves, and in the center, the guides G G, and insert the cross-heads H H, and attach

thereto the levers F F. One end of the lever is pivoted through the cross-heads H H, and the other end slips over the rods E E and is keyed thereto. On the end of rods E E are attached the geared segments A A. On the end casing of the table is fastened the pawl-plate and spring D and C. To illustrate: Suppose the leaf to be down and we wish to raise it to any desired angle, or full, for table use; by raising on the leaf the geared wheel is turned and the pawl D is ratcheted from one tooth to another. At the same time that the movement commences the cross-heads H H are moved through the guides G G the proper length for its firm support. The pawl D keeps the leaf from closing. To close the leaf the pawl D is raised by pressing on the ball of the pawl, throwing it out of gear, and the leaf can then be closed.

What I claim as my invention is—

The pawls D, the gears A, the rods E, and levers F, together with the cross-heads H and grooved guides G, so attached and arranged as to act as supports to table-leaves.

EDWIN W. PERRIN.

Witnesses:

W. G. GILBERT,
T. KRUMBEIN.