

W. MAUS.
Extension-Table.

No. 164,383.

Patented June 15, 1875.

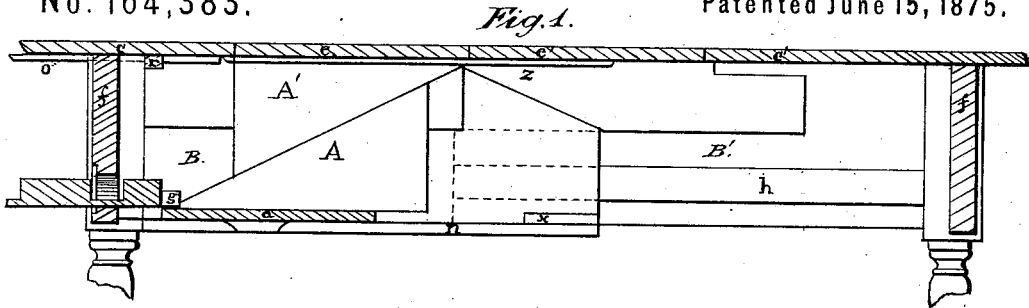


Fig. 1.

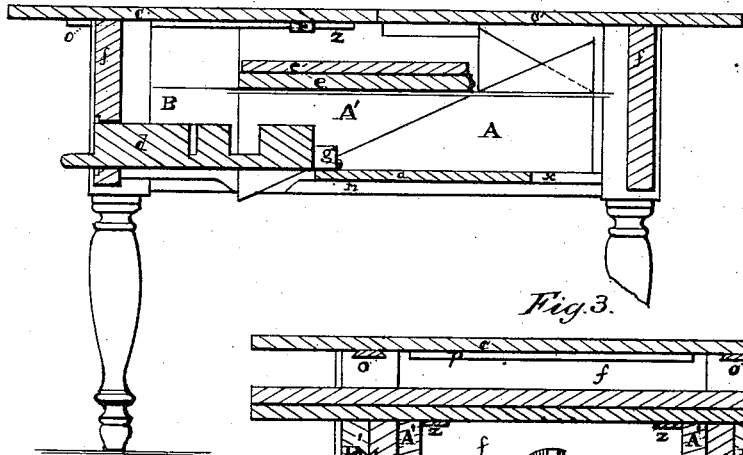


Fig. 2.

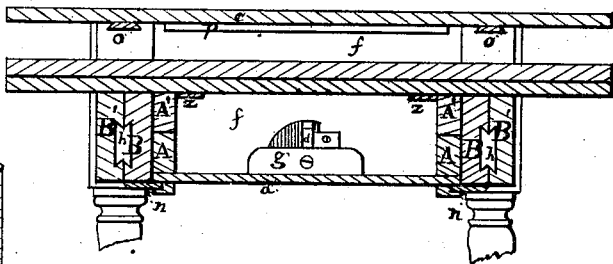


Fig. 3.

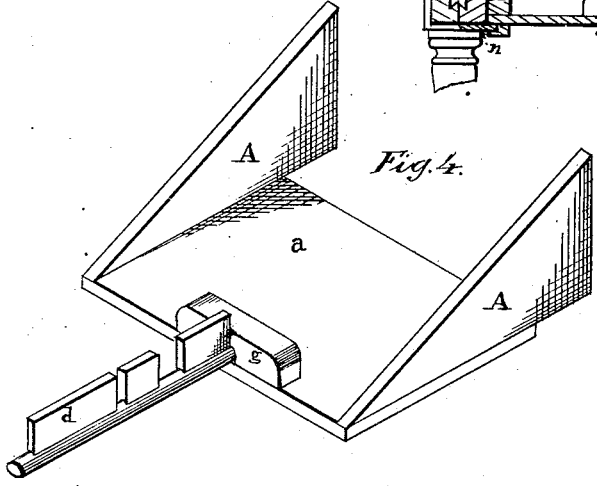


Fig. 4.

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IMPROVEMENT IN EXTENSION-TABLES.

Specification forming part of Letters Patent No. **164,383**, dated June 15, 1875; application filed April 15, 1875.

To all whom it may concern:

Be it known that I, WENDEL MAUS, of the city of Cincinnati, county of Hamilton and State of Ohio, have invented a certain new and useful Improvement in Extension-Tables, of which the following is a specification:

My invention is an improvement in extension-tables; and consists in the combination of certain devices, which will be hereinafter described, and pointed out in the claim.

In the drawings, Figure 1 is a vertical-section view through the center of the table in its extended position. Fig. 2 is a vertical section in the same plane as Fig. 1 with the table closed. Fig. 3 is a central vertical section of the table in a plane at a right angle to the view shown in Fig. 2. Fig. 4 is a perspective view of the slide with its inclines and operating-rod, by which the leaves are elevated and lowered.

A A are inclined slides, permanently secured upon each side of the slide *a*. A' A' are similar inclines in reverse position, and secured permanently to leaf *e*. *g* is a block, secured on slide *a*, to which one end of the slide-operating rod *d* is secured, so as to turn freely. The other end of the rod *d* passes through the end rail *f* of the table, and has a projection upon the upper side suitably notched, so that, by turning it, the slide is locked in any position required, whether one or more leaves are to be used. B B are the inside side rails, secured in the legs on one end of the table, and B' B' are the outside side rails, secured to the legs on the opposite end. In one of the sets of side rails is secured a dovetail slide, *h*, fitting into a corresponding dovetail groove in the other set, which permit the table to be drawn out and closed. On the under sides of the rails B a piece, *u*, is secured, which, projecting inward, forms a rest for the slide *a* to move back and forth on. Underneath the top *c* are secured dovetail-slides *o*, which fit corresponding grooves in the top of the legs, and post of the side rails, which allow the top *c* to be moved back to permit the leaves *e* and *e'* to be raised. *r* is a bar across the top *c* on the under side. It acts as a stop to prevent the top *c* being entirely removed. *x* is a stop on the slide *n* to prevent the slide *a* being pushed too far back.

When the table is to be used it is drawn out the required distance, the top *c* drawn back, when, by drawing out the rod *d*, the slide *a* with its inclines acting upon the inclines A' A' causes the leaves to rise.

If only one extra leaf is required, as soon as the top one comes upon a level with top *c* the rod *d* is turned, when the proper notch, catching over the end rail, or a suitable plate fitted in the rail, locks it in the desired position. If the table is to be extended the full length, the slide is drawn until the top of the lower leaf comes upon a level with top *c* and locked in position. The leaves, which are hinged together, are then unfolded, the upper leaf *e'* being supported by strips *z* secured to the under side of the leaf *e*.

It is evident the construction of the table may be varied without departing from the principle of my invention. For instance, instead of the rod *d* to operate the slide *a* it may be operated by a screw, one end of which is journaled in end rail *f*; the screw working through a thread or nut in block *g*.

When the rod *d* is used I make it with hinges, so it can be turned out of the way when the table is extended.

I also make my tables with three side rails on each side, the middle rail of each set having dovetail or other slides on each of its sides, which fit corresponding grooves in the adjoining faces of the outer and inner rails. When constructed thus the top *c* may be rigidly secured, as the half *e'* is, and the dovetail slides *o* with their grooves and the stop *r* dispensed with.

I claim—

In an extension-table, the combination of the centrally-located leaves *e e'*, one of which has inclined projections A' A' upon its under surface, a slide, *a*, which has reversed inclines upon its upper surface, and a handle or rod, *d*, arranged to operate substantially as described, whereby it may be used to move the slide *a* and lock it in any desired position, substantially as set forth.

WENDEL MAUS.

Witnesses:

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