

(No Model.)

2 Sheets—Sheet 1.

F. M. BRIGHTMAN.
EXTENSION TABLE.

No. 506,902.

Patented Oct. 17, 1893.

Fig. 1.

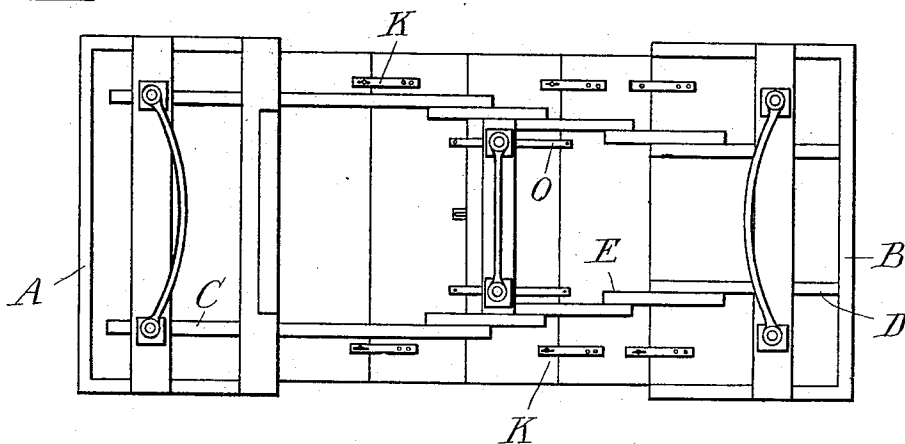


Fig. 2.

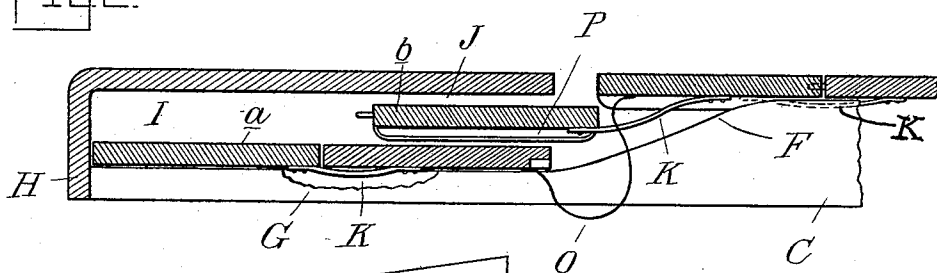
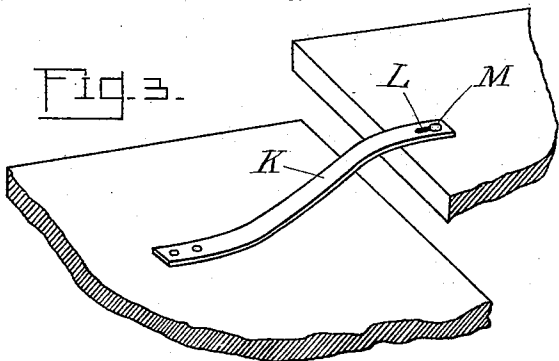


Fig. 3.



Witnesses:

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2 Sheets—Sheet 2.

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Fig. 4

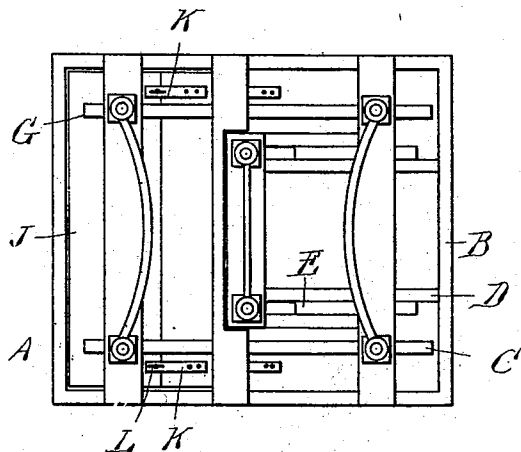
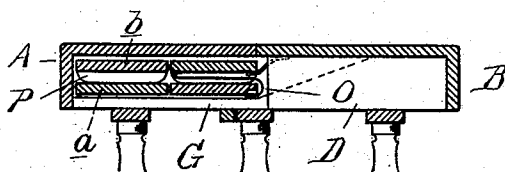


Fig. 5



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UNITED STATES PATENT OFFICE.

FRANCIS M. BRIGHTMAN, OF HILLSDALE, ASSIGNOR TO ADOLPHUS D. KIRBY,
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EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 506,902, dated October 17, 1893.

Application filed November 10, 1892. Serial No. 451,514. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS M. BRIGHTMAN, a citizen of the United States, residing at Hillsdale, in the county of Hillsdale and State of Michigan, have invented certain new and useful Improvements in Extension-Tables, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention consists in the peculiar construction of the connection between the leaves which are adapted to be stored in receptacles formed above the end portions of the table.

In the drawings, Figure 1 is a bottom plan view of my improved table, showing the table extended and the leaves in position. Fig. 2 is a vertical section through the table showing it in the act of being closed, the connecting means between the table and end leaf being shown in dotted lines. Fig. 3 is a detached perspective view of a part of two leaves showing an enlarged view of the connecting strap. Fig. 4 is a bottom plan view of the table collapsed, and Fig. 5 is a central longitudinal section through Fig. 4.

A and B are the two end sections of the table having the stationary slides C and D respectively, to which the movable slides E are connected. These slides are of the usual and ordinary construction. The stationary slide C is provided near the end of the section A with an inclined portion F which extends from a guide rail G at the lower edge of the section A near the top of the table, as plainly shown in Fig. 2. The tops of the end sections are provided with depending flanges H, within one of which is formed a storage receptacle I for the leaves J. The leaves when not in use are designed to be stored in the receptacle I and when in use they rest upon the top of the slides and are held together by the usual dowel pins.

In the drawings, I have shown two sets of leaves *a b* arranged in tiers, one above another in the receptacle. It is evident however, that one set alone may be used where a shorter table is desired. Each set comprises two leaves connected together and the connection between these leaves is the improved

feature of my invention and consists of a leaf spring K secured at one end fixedly to one leaf and at the other end provided with a slot L through which a large head screw M engages, whereby a substantially rigid connection is had to allow a limited sliding movement of the leaf upon the spring.

The two sets of leaves are connected together by the flexible strap O. The upper tier of leaves may be guided upon guides at the side of the receptacle, or any other means may be employed to prevent their scratching the under leaves in moving therein, such for instance as felt strips P on the under face.

The parts being thus constructed and the table extended in the usual manner, as shown in Fig. 1, to close it, the edge of the first leaf is detached, allowing that leaf to rise upon the incline F of the stationary slide C and pressure is now brought at opposite ends of the table. The first set of leaves *a* will be forced down the incline, the second one will follow it because the weight of the first leaf acting through the spring K will tip the leaf as it comes to the edge of the incline. The succeeding leaves of the set *b* will follow in the same manner moving upon the top of the set *a*. In drawing the leaves out the operator separates the two end sections of the table and in doing so the leaves will be drawn from the receptacle upon the incline F to the top thereof, and then the operator engaging the dowels in the apertures provided for them the leaves will be held in line with the top. After the first section is withdrawn the second section will be caused to fall by the connecting strap O. The slot L in the spring allows of moving the leaves laterally sufficient to engage the dowels.

What I claim as my invention is—

1. In an extension table of the kind described, the combination of the end sections, the stationary end slide having an inclined portion and the leaves connected together and to one end section by a spring and provided with a limited lateral motion in relation to the spring, substantially as described.

2. In an extension table of the kind described, the combination of the end sections,

the stationary end slides having the inclined
portion F, the leaves connected to one end
section and together in pairs by means of a
leaf spring rigidly connected at one end and
5 having a slight lateral movement in relation
to the leaf at the other end and a flexible strap
O connecting the pairs of leaves, substan-
tially as described.

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

FRANCIS M. BRIGHTMAN.

Witnesses:

FRANK M. STEWART,
FRANK W. PRENTICE.