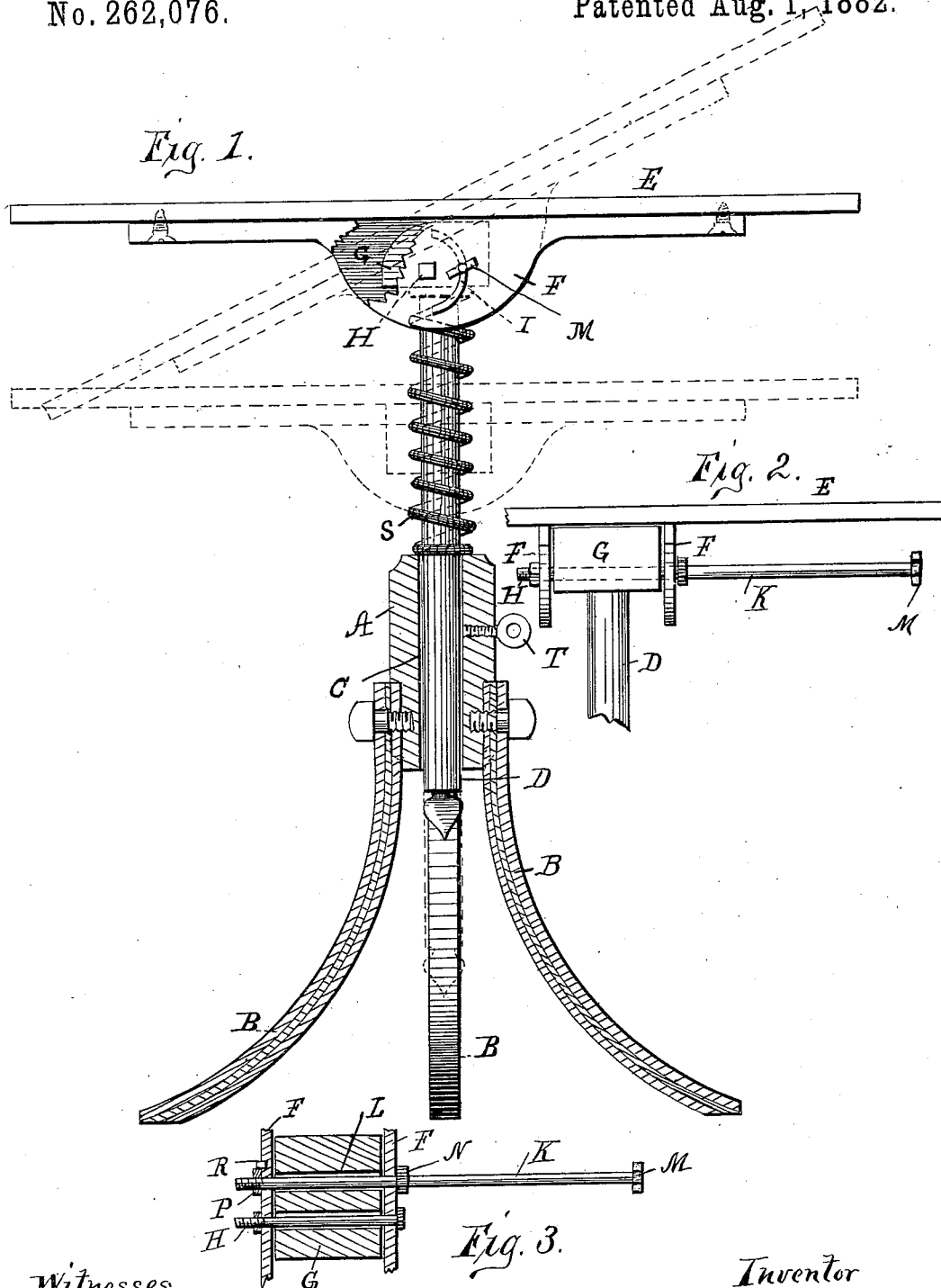


(No Model.)

J. M. MAY.
ADJUSTABLE TABLE.

No. 262,076.

Patented Aug. 1, 1882.



Witnesses

Edwin L. Gerrell

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UNITED STATES PATENT OFFICE.

JOHN M. MAY, OF MAY'S ISLAND, IOWA.

ADJUSTABLE TABLE.

SPECIFICATION forming part of Letters Patent No. 262,076, dated August 1, 1882.

Application filed June 2, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. MAY, of May's Island, in the county of Linn, and in the State of Iowa, have invented certain new and useful Improvements in Adjustable Tables; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to tables wherein the tops are mounted on central parts which are vertically adjustable for supporting the tops at any desired height.

My invention consists, first, in a helical spring arranged between the tubular base and a head-block, to which the table-top is pivoted and clamped, and surrounding the standard, in combination with a clamp-screw for holding the table-top at any desired height; second, in the combination, with laterally-yielding cheek-plates fixed to the bottom of the adjustable table-top, of a pivotal bolt connecting the table-top to a head-block on the vertically-adjustable standard, segmental slots through said yielding cheeks, and a clamp or pinch-bolt for confining the top in an inclined or level position.

Figure 1 represents a view partly in section and partly in elevation of the table. Fig. 2 represents a view of the binding devices by which the top of the table is clamped in any desired position, and Fig. 3 represents a detached view of the clamping devices.

The letter A indicates the base or support of the table, which is mounted upon suitable legs, B. The said base is bored vertically, as indicated by the letter C, for the passage of the upright D, carrying the pivoted table-top E. The said table-top, on its under side, is provided with parallel vertical plates or flanges F, between which the head G of the upright D sets, the pivot-bolt H passing through said head and flanges or plates in such manner that the table-top may be freely turned to a horizontal or inclined position. The flanges or plates are provided with segmental slots I, through which a pinch-bolt, K, extends, the said bolt passing through a suitable transverse aperture, L, in the head G. The said bolt extends to near one edge of the table-top,

where it is provided with a thumb-button, M, by which it may be manipulated. The said bolt is provided with a collar, N, at one side and a screw-nut, P, at the other, the said screw-nut being held from turning by means of a projection, R, in such manner that the flanges may be closed together and tightened against the sides of the head in order to hold the table-top in any desired position.

The letter S indicates a spiral spring surrounding the upright D above the base, and adapted to hold and automatically elevate the said upright and with it the table-top.

T indicates a set-screw, by means of which the upright and the table-top, which it carries, may be clamped in any desired position.

It will be seen from the above description that by simply loosening the screw T the spring S will elevate the table-top to the desired height, when it can be secured in place by tightening the screw T.

It will also be seen that by means of the flat-faced block G on the standard C, the yielding cheeks F F, and the clamp or pinch-bolt K and pivot-bolt H the table-top is made adjustable and can be fixed in a level position or at any desired angle.

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

1. The combination of the table-top, the vertically-movable standard, the head-block fixed to the top of this standard and connected to the table-top, the tubular base through which said standard passes, the helical spring S, confined between the block and base, and the set-screw T, substantially as described.

2. The combination of the laterally-yielding cheek-plates F, forming battens for the table-top, the flat-faced block G on standard D, the pivotal bolt H, the segmental slots I, and the pinch-bolt K, all arranged for adjusting the table-top, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 16th day of May, 1881.

JOHN M. MAY.

Witnesses:

F. A. SIMMONS,
J. J. MCCARTHY.