F. L. CASPER.

EXTENSION TABLE.

APPLICATION FILED MAY 19, 1914.

1,121,611.

Patented Dec. 22, 1914.

2 SHEETS—SHEET 1.

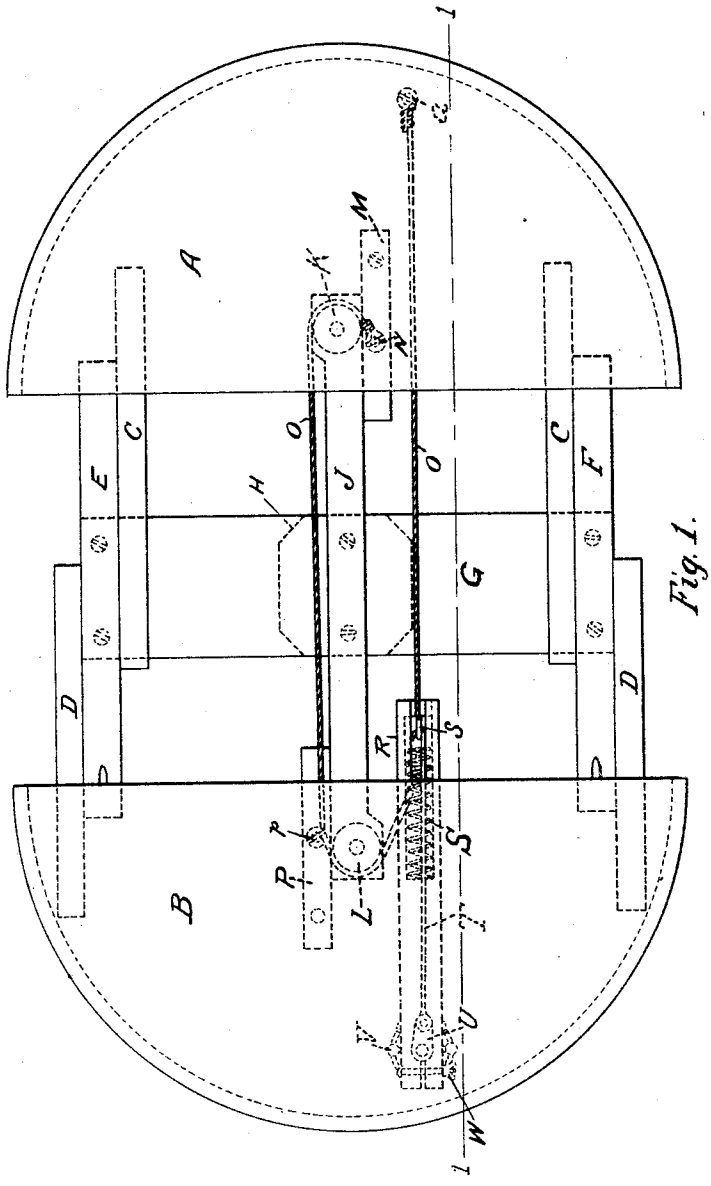


Fig. 1.

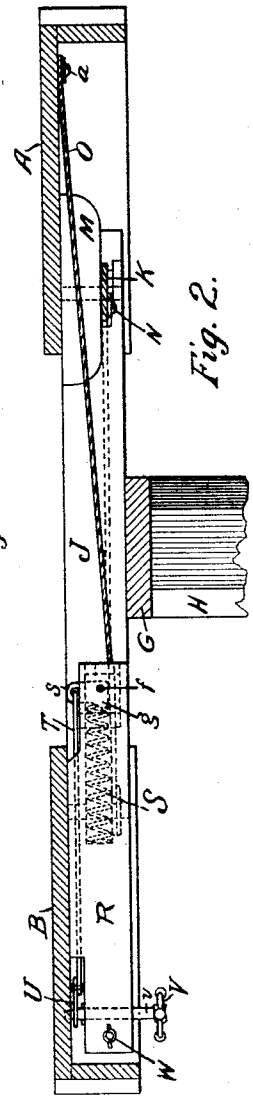


Fig. 2.

WITNESSES:

Beulah Earle.

INVENTOR

Frank L. Casper.

BY Frederick W. Cameron.

ATTY.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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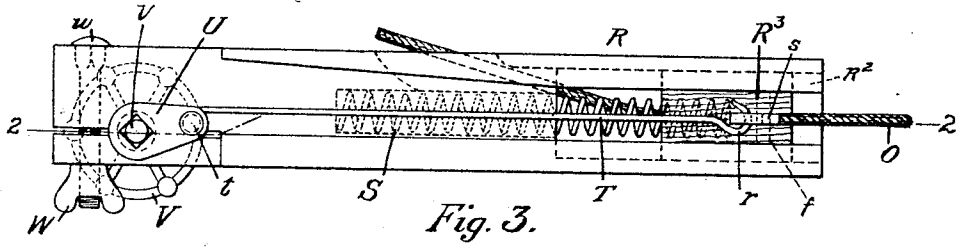


Fig. 3.

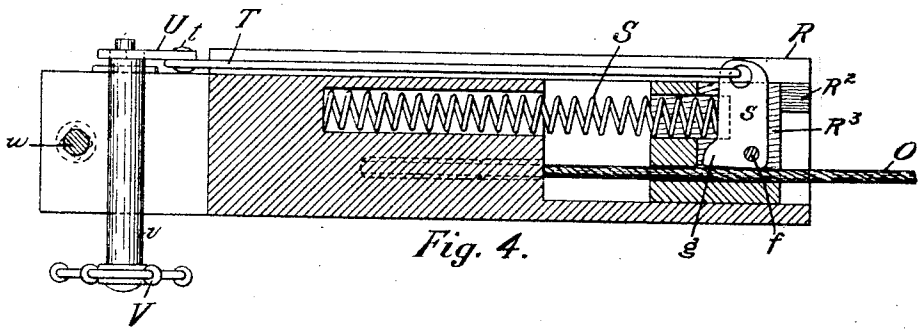


Fig. 4.

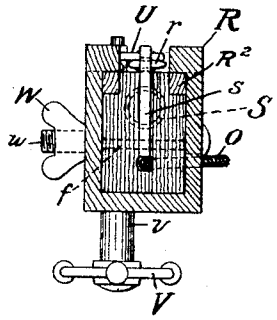


Fig. 5.

WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANK L. CASPER, OF HOWE CAVE, NEW YORK.

EXTENSION-TABLE.

1,121,611. Specification of Letters Patent. Patented Dec. 22, 1914.

Application filed May 19, 1914. Serial No. 839,516.

To all whom it may concern:

Be it known that I, FRANK L. CASPER, a citizen of the United States of America, residing at the village of Howe Cave, in the county of Schoharie and State of New York, have invented certain new and useful Improvements in Extension-Tables, of which the following is a specification.

My invention relates to extension tables, and the object of my invention is to provide a table which may be extended without dividing the central standard, and which will open uniformly, that is, to the same degree on each side of the center, with a means for locking the table in its desired position; together with such elements and combinations as are hereinafter more particularly set forth and claimed. I accomplish these objects by means of the mechanism illustrated in the accompanying drawings, in which:

Figure 1 is a plan. Fig. 2 is a section along the lines, 1—1, on Fig. 1. Fig. 3 is a plan view, after the removal of the table top, of the locking mechanism. Fig. 4 is a section along the lines, 2—2, on Fig. 3. Fig. 5 is an end view of right hand end of Fig. 4.

Similar letters refer to similar parts throughout the several views.

A and B, are the two corresponding parts of the table top. The top, A, on its underside is attached to the extension arms, C, C, while the top, B, is attached to the extension arms, D, D. The extension arms, C, C, and D, D, are provied with tongues which mesh with the grooves in the stationary arms, E, F. The arms, E, F, are attached to the plate, G, which is secured to the standard, H, which standard rests on the floor. To the plate, G, about midway between the sides of the table, I secure a bar, J, carrying at its ends the sheaves, K and L. To a suitable block, M, attached to the table top, A, I secure one end, N, of a cable, O. The cable, O, is preferably held by the screw, p, in contact with the block, P, attached to the table top, B. It then passes from the sheave, L, and enters the lock case, R, and extends through the lock case across the bar, J, to the table top, A, to which it is secured at a. Within the lock case, R, I place a hook, r, which engages a brake block s, pivoted at f to the slide block, R^3, and adjacent to the cable, O, so that when the hook draws on the brake block the toe, g, on the brake block will bind against the cable, O, and act as a brake. A further movement of the hook, r, will draw the slide block, R^3, which is bound against the cable, as aforesaid, and take up any slack and bring the parts closely together. The stop block, R^2, in the lock case, R, limits the outward movement of the slide block, R^3.

The spring, S, is arranged in the lock case, R, so that one end will rest against the slide block, R^3, in such a manner that the resiliency of the spring will tend to exert a greater grip on the cable. The hook shank, T, is secured to the rod, t, on the crank arm, U, mounted on the shaft, v, which is rotated by the hand wheel, V. The hook shank, T, at the end of which is the hook, r, is attached to the rod, t, on the crank arm, U. As thus arranged, to lock the table the hand wheel, V, is rotated which will cause the brake block, s, to be drawn toward the hand wheel, slightly compress the spring, S, and grip the cable, O. Extending through the lock case, R, which is bifurcated at the end, is a bolt, w, provided with a wing nut, W, which when the wing nut is secured onto the bolt will tend to draw the two parts of the block, R, together so as to bind on the shaft, v, and thus prevent the rotation of the shaft, v, and therefore prevent the opening of the table.

With my arrangement a ten foot extension table may be locked in any position of opening that is desired, and all is accomplished in a very simple, economical and efficient manner.

What I claim as my invention and desire to secure by Letters Patent is:

An extension table provided with a top portion divided into two parts; arms attached to each part; a standard; a plate attached to said standard; blocks on said plate; each of said arms adapted to reciprocate in said blocks; a cable; a bar; sheaves at each end of said bar; said cable passing over said sheaves and attached to one part of said table top; a lock case attached to one of said portions of the table top; a slide block arranged in the lock case adapted to

engage said cable; a brake block; a spring in said lock case tending to cause the slide block to grip said cable; a hook attached to said brake block; a crank connected with said hook; a hand screw for operating said crank; and means for locking the crank, all substantially as described.

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

FRANK L. CASPER.

Witnesses:
PALMER RICKARD,
EDWARD STANDHART.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."