No. 821,572. PATENTED MAY 22, 1906.

D. H. ALLEN.

TABLE.

APPLICATION FILED FEB. 13, 1905.

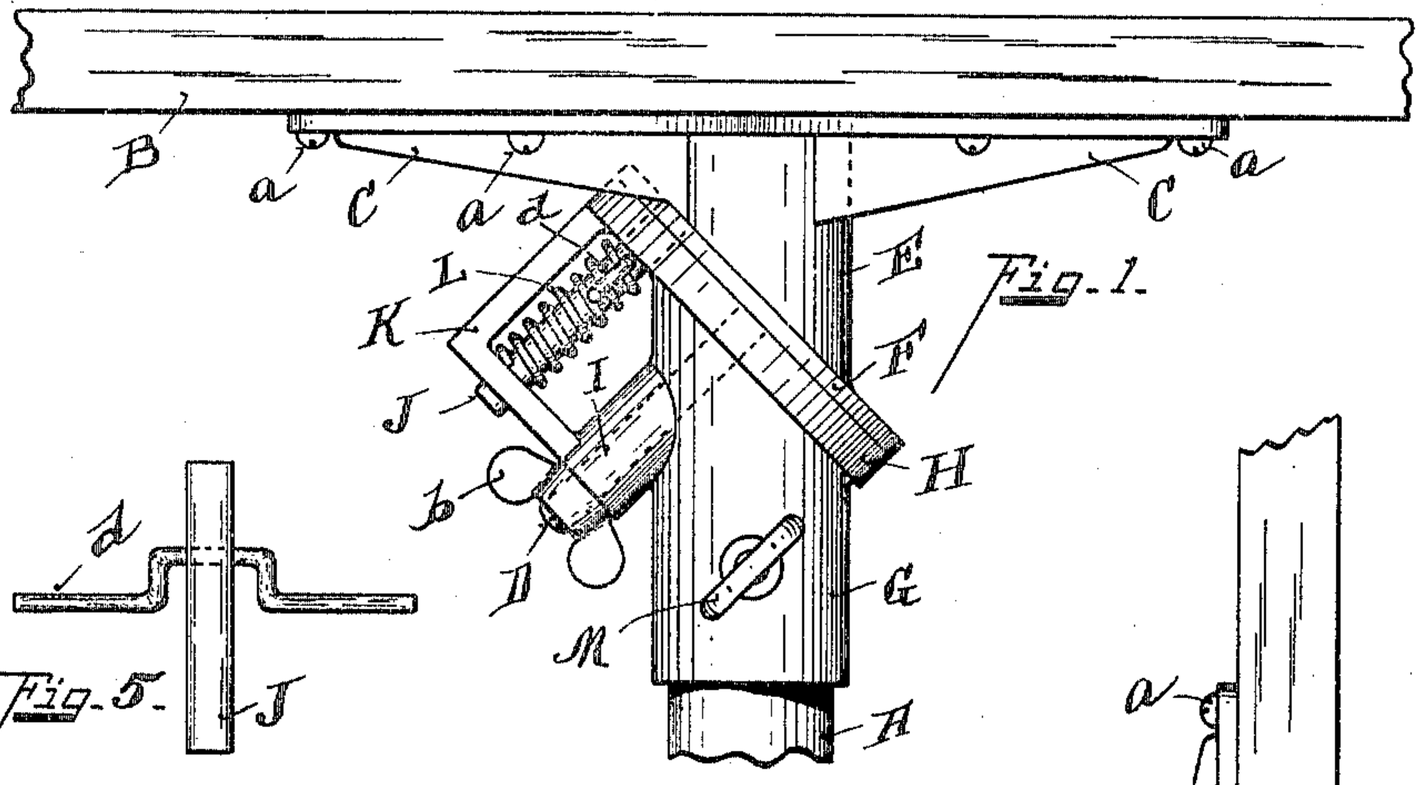

Fig. 1.

Fig. 5.

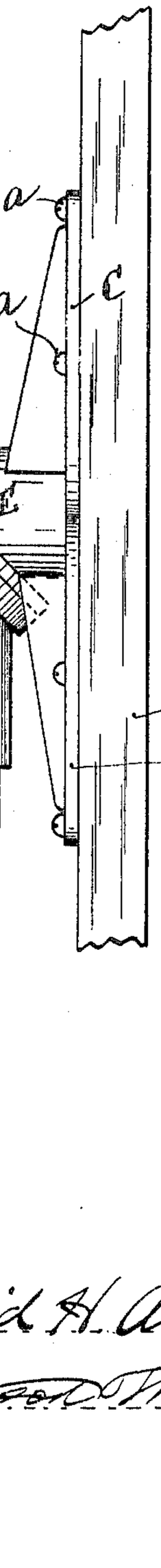

Fig. 2.

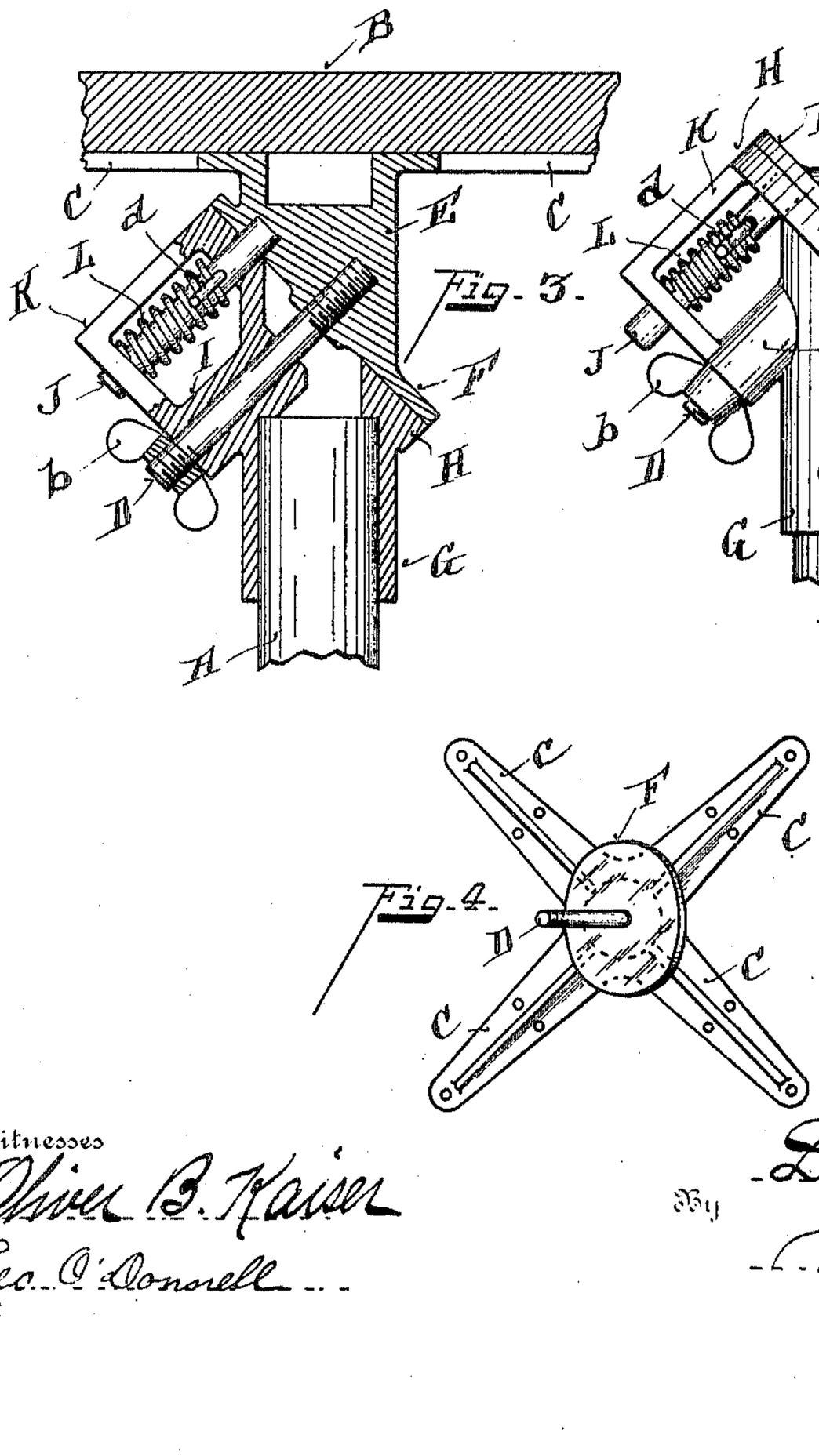

Fig. 3.

Fig. 4.

Witnesses

Oliver B. Kaiser

Leo. O'Donnell

Inventor

David H. Allen

By

Attorneys

UNITED STATES PATENT OFFICE.

DAVID H. ALLEN, OF MIAMISBURG, OHIO.

TABLE.

No. 821,572. Specification of Letters Patent. Patented May 22, 1906.

Application filed February 13, 1905. Serial No. 245,418.

To all whom it may concern:

Be it known that I, DAVID H. ALLEN, a citizen of the United States, residing at Miamisburg, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Tables, of which the following is a specification.

My invention relates to a folding table-leaf.

One of the objects of my invention is to provide means for turning the table-top from the vertical to the horizontal position by mounting the same on an inclined axis formed in the sectional table-support, one of which revolves upon the other, and having a broad bearing-surface to form a rigid support for the top upon the stand.

Another object of my invention is to provide an improved inclined axial support for the table-top journaled upon the standard.

Other features of my invention are more fully set forth in the description of the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of a portion of the table-top and the standard-support, showing the table in the horizontal plane. Fig. 2 is a side elevation showing the table-top in the vertical position. Fig. 3 is a central vertical section through the table-top and its connections with the standard. Fig. 4 is a bottom plan view of the arm supporting the table-top. Fig. 5 is an elevation of the keeper-pin with the spring removed.

A represents the pedestal for supporting the table.

B represents the table-top.

C represents the arms to which the top is secured by screws *a*.

D represents the inclined axial shaft of the table-top.

E represents a short standard projecting down bodily from the table-supporting arms C.

F represents a flange projection integral with the standard E and forming therewith a turn-table plate. The axial shaft D is rigidly secured to this plate.

G represents a sleeve journaling on the support A at the lower end thereof.

H represents an inclined plate formed integral with said sleeve and having an inclination coincident with the turn-table plate F and forming a bearing therefor.

I represents a sleeve extension secured to the sleeve G and forming an extended bearing for the shaft D. Shaft D is shown screw-threaded and provided with a thumb-nut *b* for locking the axis and table at any desired position.

J represents a keeper-pin the lower end of which is journaled in the bracket K.

L represents a spring for forcing the keeper-pin upward. An orifice is pierced through the plate H, and said keeper-pin projects through the same. One or more holes are formed in the turn-table F, into which the keeper-pin is thrust by the force of the spring L to hold the table-top preferably in the horizontal plane. (Shown in Fig. 1.) The keeper-pin is released by outward pressure brought on the hand-rod *d*.

Mode of operation: When it is desired to turn the table from the horizontal to the inclined position, the keeper-pin is retracted and the table turns on its inclined axial support, and it can be brought into vertical position. (Shown in Fig. 2.) M represents a thumb-screw tapping through the sleeve G for locking the said sleeve to the supporting-post. I have shown the inclined axial shaft to be comparatively small in cross-section and strengthened against lateral strain by the extended flange or table on the top section of the pedestal and an enlarged flange or plate supporting the same upon the bottom section. The general result could be obtained in a less efficient manner by employing an inclined axial support of increased area and journaling the same at the desired inclination in the bottom section of the pedestal or standard.

Having described my invention, I claim—

In a table, a standard having a plate fixed upon the top thereof and inclined at an angle of approximately forty-five degrees, a top having a supporting-stem depending therefrom, a plate fixed upon the end of said stem and inclined similarly to said first-mentioned plate, said plates pivoted together in the center lines of the stem and pedestal, and means carried by said plates for automatically interlocking the same when the top is moved to a horizontal position.

In testimony whereof I have hereunto set my hand.

DAVID H. ALLEN.

Witnesses:

JNO. R. PEIFFER,

W. A. REITER.