

J. WALLIN.

TABLE.

APPLICATION FILED MAY 14, 1909.

947,982.

Patented Feb. 1, 1910.

2 SHEETS—SHEET 1.

Fig. 1.

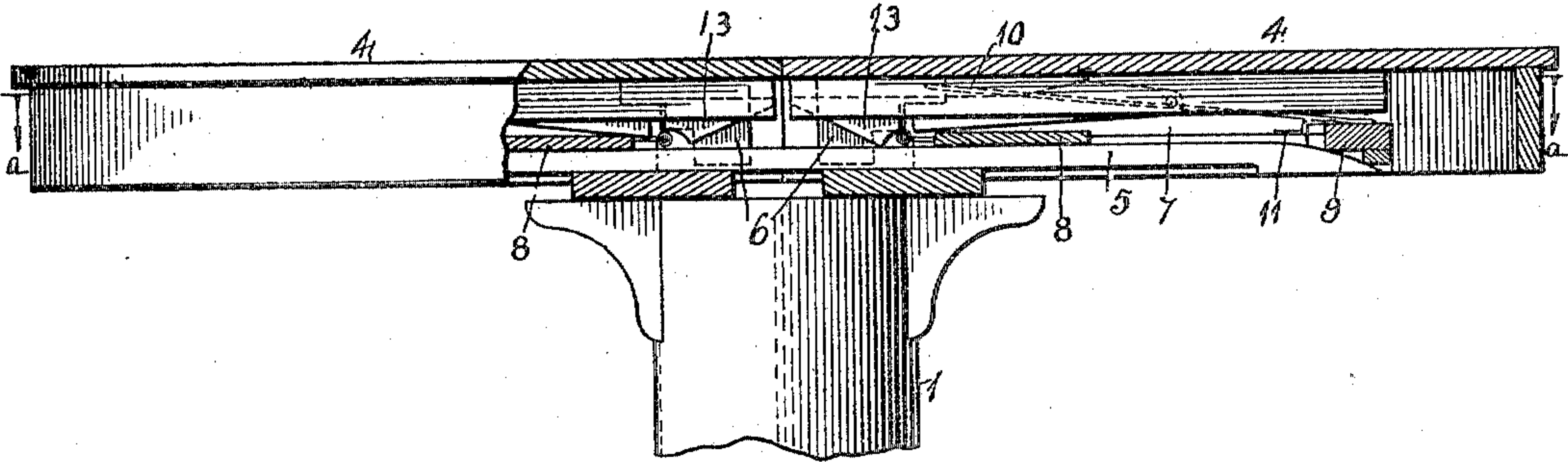
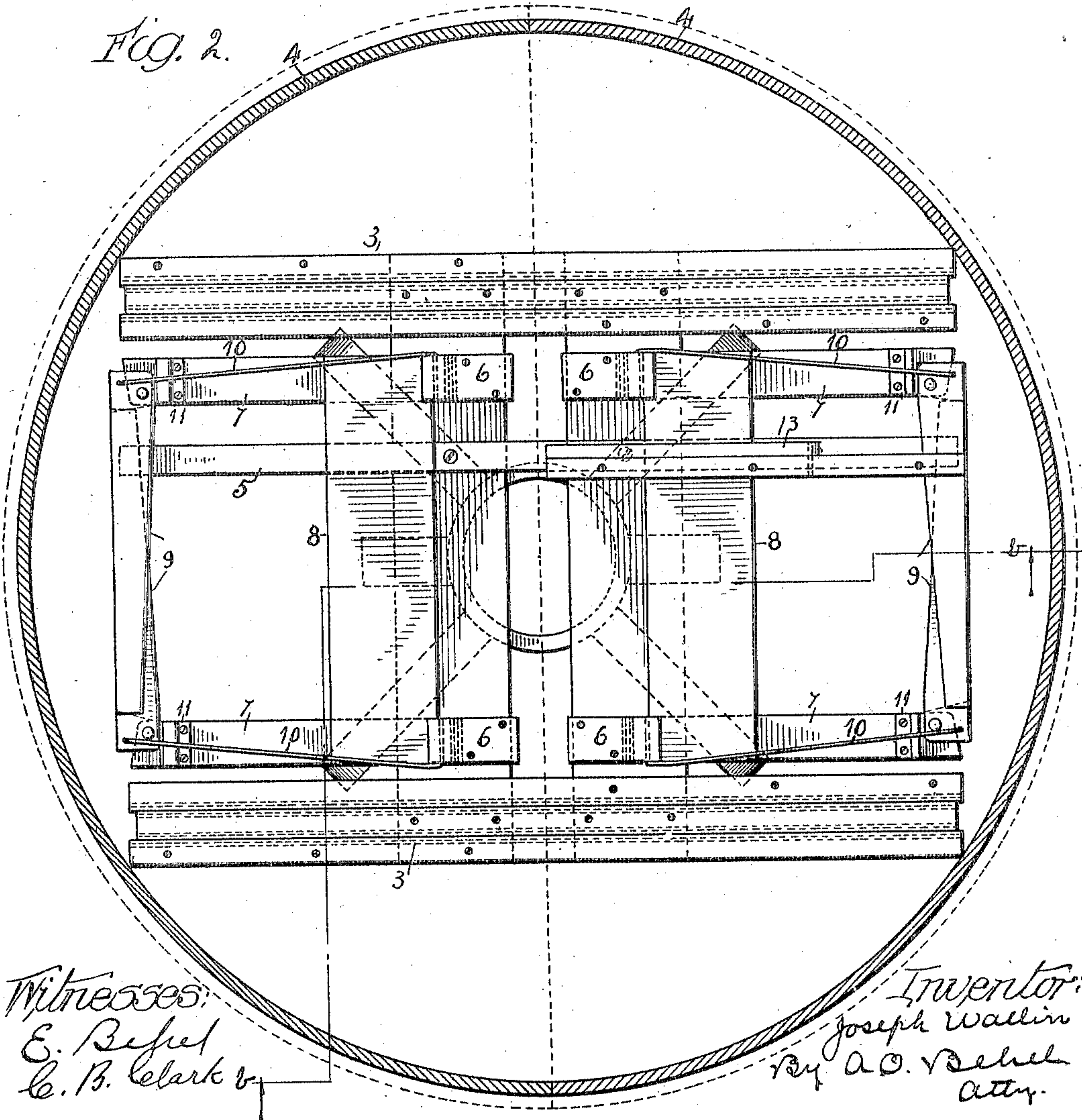


Fig. 2.



Witnesses:
E. Beitel
C. B. Clark

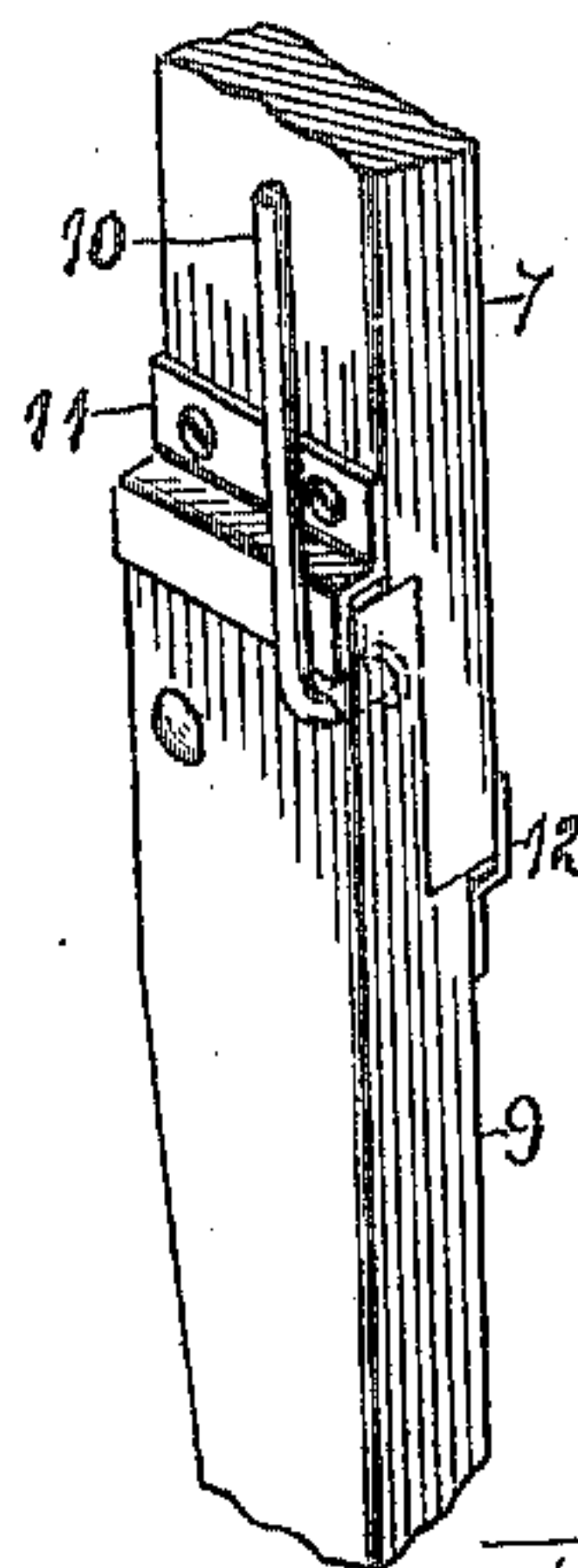
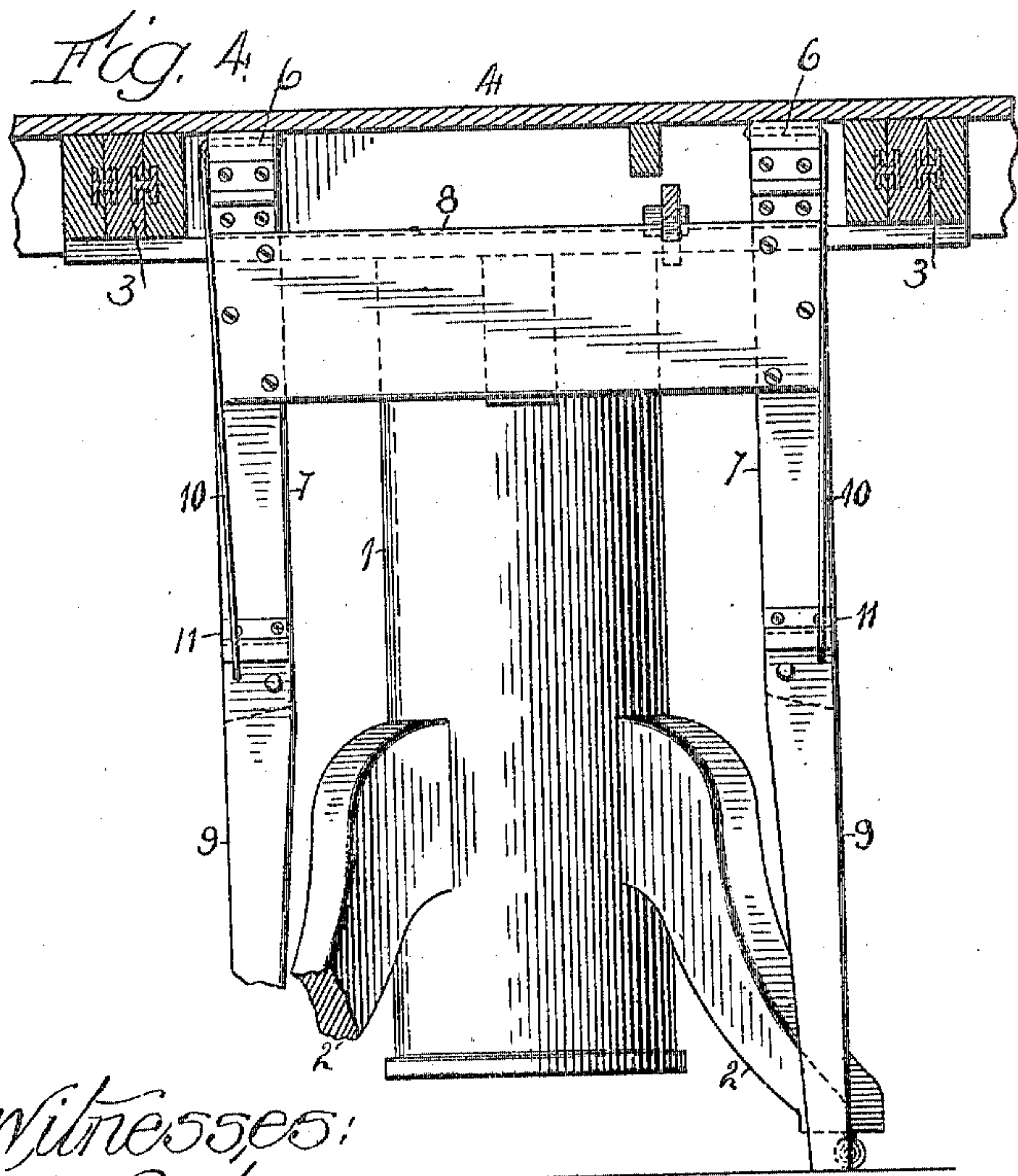
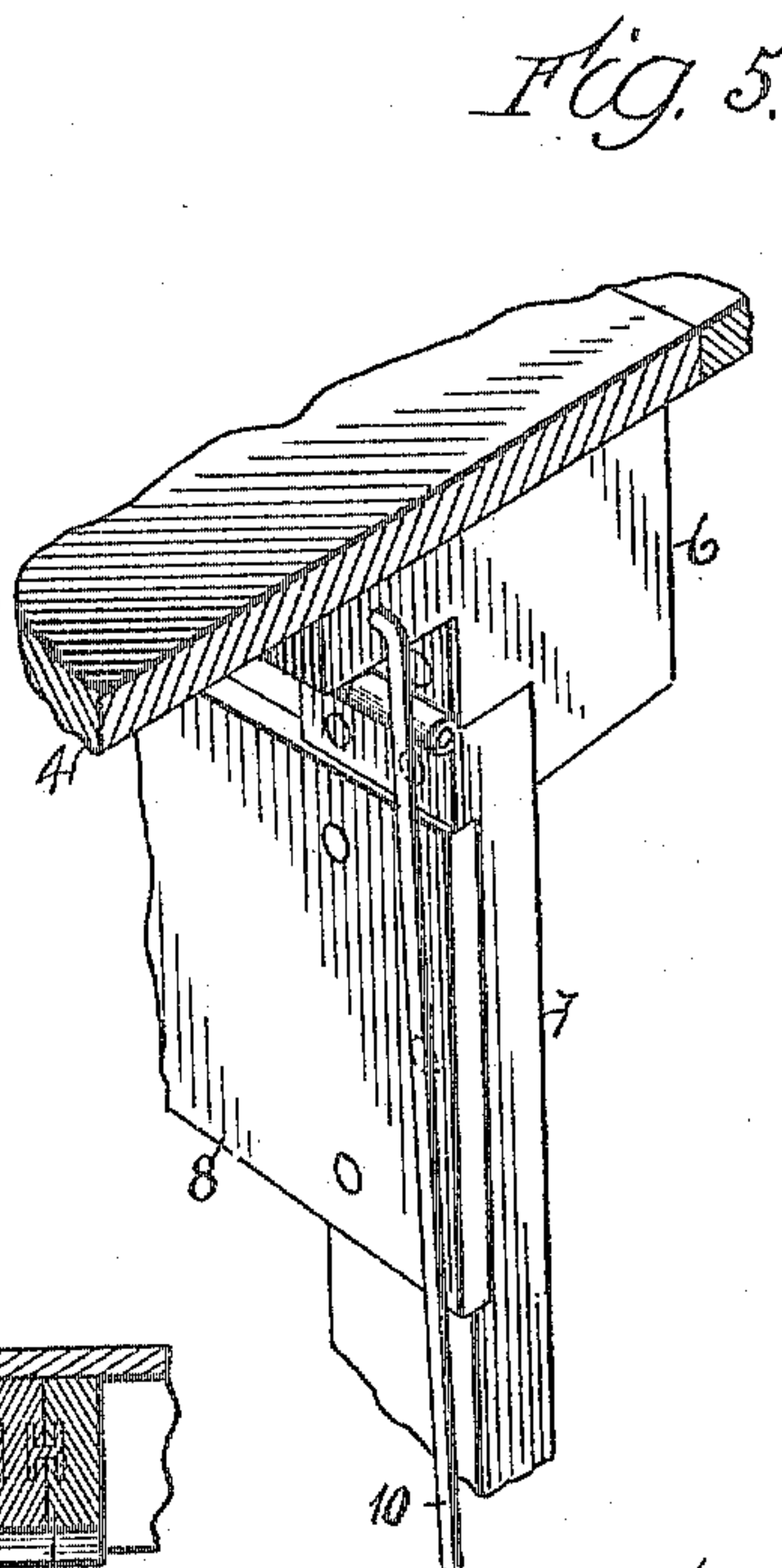
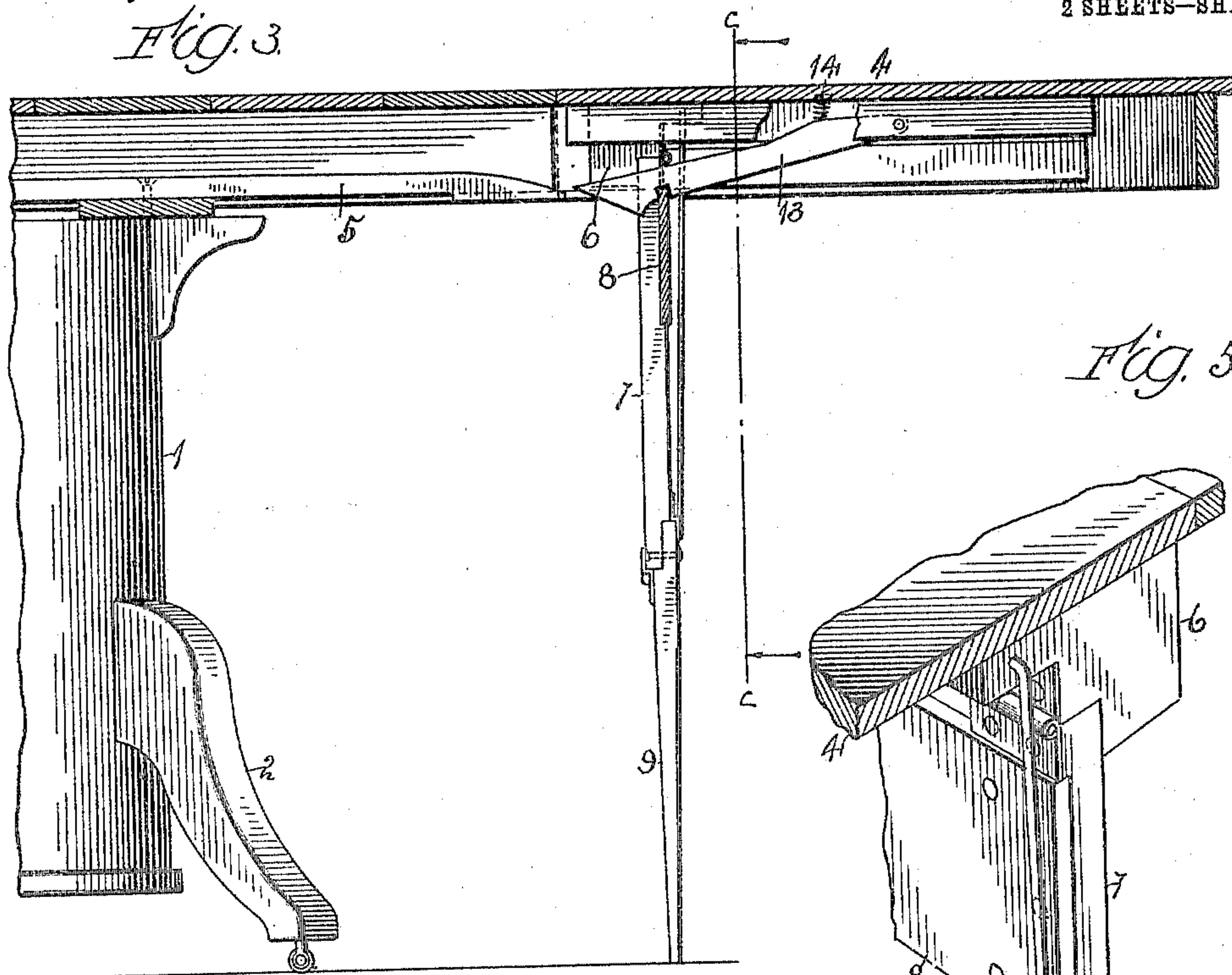
Inventor:
Joseph Wallin
By A. O. Schell
Att'y.

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C. B. Clark

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By A. O. Behel
att'y.

UNITED STATES PATENT OFFICE.

JOSEPH WALLIN, OF ROCKFORD, ILLINOIS, ASSIGNOR TO EXCEL MANUFACTURING COMPANY, OF ROCKFORD, ILLINOIS, A CORPORATION OF ILLINOIS.

TABLE.

947,982.

Specification of Letters Patent.

Patented Feb. 1, 1910.

Application filed May 14, 1909. Serial No. 496,073.

To all whom it may concern:

Be it known that I, JOSEPH WALLIN, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Tables, of which the following is a specification.

The object of this invention is to provide supports for the tops of an extension table when the tops are extended.

In the accompanying drawings, Figure 1 is a section on dotted line *b b* Fig. 2. Fig. 2 is a section on dotted line *a a* Fig. 1. Fig. 3 is a section similar to Fig. 1, in which the leg is extended. Fig. 4 is a section on dotted line *c c* Fig. 3. Fig. 5 is a perspective view of the upper portion of a table top support. Fig. 6 is a perspective view of the lower section of the table top support.

The table in the main is of the usual construction and comprises the pedestal 1 supported by the feet 2. To the pedestal are connected the extension slides 3, and to the slides are connected the table tops 4. The tops 4 can be opened and closed in the usual manner.

To the pedestal 1 is fixedly connected a bar 5 having its ends beveled in their upper faces, said bar constituting a cam track, as hereinafter explained. This bar extends in the direction of the length of the table slides 3, and beneath the table tops when they are closed.

As the legs or supports for the table tops are the same, a description of one will answer, the same reference numerals being applied to both, as far as shown.

To the underside of one of the table tops or top sections 4 are secured bars 6, and to these bars are hinged legs 7, which are connected by a brace 8. To the free end of each leg 7 is pivoted an extension 9. The free end of the leg is halved also the end of the extension connected therewith. To the bar 6 is pivoted a rod 10 at one end, and its other end is pivotally connected to the end of the extension 9 pivoted to the leg. The connection of this rod with the bar 6 is off the center of the hinge connection of the leg with the bar or cam track, and the connection of the rod with the extension 9 is off the center of the pivotal connection of the extension with the leg. When the legs 7 are in a vertical position, the extensions 9 will form continuations of the legs and rest on the floor

and support a table top. When the legs are raised beneath the table top, they will stand in a horizontal plane and in the lengthwise direction of the table slides. When the legs are in this position, the extensions will occupy positions at substantially right angles to the length of the legs as shown at Fig. 2. The reason for thus folding the extension is to enable the legs to be hinged as near the ends of the table top as possible, in order that a better support may be given the table top. In order that a more rigid connection may be had between the leg and its extension in a lateral direction when the leg is lowered, I have secured a plate 11 to the free end of the leg which overlies one face of an extension, and have secured a plate 12 to the opposite face of the extension which overlies the other face of the leg. When the legs are in vertical positions, a catch 13 pivoted to the underface of the table top, will engage the upper edge of the brace bar 8 connecting the legs of one of the table tops, and hold the legs against movement on their hinge connection with the table top. A spring 14 holds the latch down in a yielding manner.

In closing a table top, the extended legs are carried with it, the latch 13 preventing their folding, when the latch 13 engages an end of the bar or cam track 5 it will be raised free of the brace bar 8 thereby liberating the legs. The further closing movement of the table top will cause the brace bar to contact with the end of the bar 5, and a continued closing movement will elevate the legs beneath the table top into the positions shown at Fig. 1, at the same time the extensions are folded automatically. In opening a table top when the brace bar 8 has moved free of the bar 5 the legs will drop into a vertical position, and the latch 13 will engage the upper edge of the brace bar. As the legs drop, the extensions will be moved into alinement with the legs and serve to support the table top. The operation of the legs is entirely automatic with the opening and closing movements of the table top.

While I have shown the leg extension 9 as folding in a horizontal plane toward and over one another it is evident that they may be folded beneath the legs, or outward therefrom without departing from the scope of my invention.

I claim as my invention.

1. In an extension table, the combination with a table top section, of a permanent support therefor, a cam track carried by said
5 section and disposed between the sides thereof, an extension section slidably mounted on the first section, spaced supplemental supporting legs hinged to the extension section, and a cross bar connecting the legs and
10 riding on and off the cam track to cause the supplemental supporting legs to move to and from their folded position on the movement of the extension section.

2. In an extension table, the combination
15 with a table top section, of a pedestal supporting the same, a supporting bar located beneath said section and having a cam track, an extension section slidably mounted on the first section, supplemental supporting legs
20 hinged to the extension section, and a cross bar connecting the legs and riding on and off the cam track and supporting bar to cause the supplemental supporting legs to move to and from their folded position on
25 the movement of the extension section.

3. In an extension table, the combination with relatively movable top sections, of a permanent support for one section, a folding supplemental support for the other section,
30 means for locking the foldable support in its operative position, and means automatically operating on the relative movement of the sections and successively operating the locking means and supplemental support
35 to effect successively the unlocking of the folding support and its folding movement.

4. In an extension table, the combination with relatively movable sections, of a permanent support for one section, a supplemental support pivoted on the other section,
40 a latch for locking the pivoted support in its operative position, and means automatically operated on the relative movement of the sections to effect successively the operation of the latch and the folding movement
45 of the supplemental support.

5. In an extension table, the combination with relatively movable sections, of a permanent support for one section, a supplemental support pivoted on the other section,
50 a latch for locking the pivoted support in its operative position, and means carried by the permanently supported section and successively engaging and operating the latch and
55 support to first release said support and then effect its folding movement.

6. In an extension table, the combination with a table top section, of a pedestal supporting the same, an extension section
60 slidably associated with the table top section, a folding supplemental support hinged to the extension section, a latch pivoted on the extension section and detachably engaging the support to hold it in its operative
65 position, and a cam track carried by the

first mentioned section and detachably and successively engaging and operating the latch and folding support on the inward movement of the extension section to first
70 release said support and then effect its folding movement.

7. In an extension table, the combination with relatively movable top sections, of a swinging leg pivoted to one section, a swinging extension pivoted to the leg, and a device
75 connected to the extension at one side of its pivot axis and connected to said top section at one side of the pivot axis of the leg to effect the swinging of the extension on the leg upon the swinging of said leg. 80

8. In an extension table, the combination with relatively movable top sections, of a swinging leg pivoted to one section, a swinging extension pivoted to the leg, and a rod
85 pivoted directly to the extension at one side of its pivot axis and also pivoted directly to the top section at one side of the pivot axis of the leg to effect the swinging of said extension upon the swinging of the
90 leg.

9. In an extension table, the combination with a top section, of a pedestal supporting the same, an extension section slidably mounted on the top section, a cam track carried by the pedestal supported top section, spaced legs hinged to the extension
95 section, a cross bar connecting the legs and riding on to and off of the cam track, a latch pivoted to the extension section and detachably engaging the cross bar, said latch
100 riding on to and off of the cam track, foldable extensions pivotally mounted on the lower ends of the legs, and rods pivoted to the extensions and to the extension section.

10. In an extension table, the combination of a pedestal, table tops slidably supported by the pedestal, a foldable support for each table top, an extension to each support, and means supported by the pedestal
105 with which the supports contact when the table tops are being closed, thereby folding both the supports and extensions beneath the table tops.

11. In an extension table, the combination of a pedestal, table tops slidably supported by the pedestal, a foldable support for each table top, an extension to the support, connections whereby the supports and extensions are folded beneath the table tops
115 by the closing movement of the tops, catches for holding the supports in a vertical position beneath the table tops when the tops are extended, and means for releasing the catches by the closing movement of the tops. 120

12. In an extension table, the combination of a pedestal, table tops slidably supported by the pedestal, legs pivotally connected to the underside of each top, an extension pivoted to each leg, a rod connecting each of the extensions with its table top,
125 130

and means with which the legs contact in the closing movement of the top, thereby folding the legs, and said rods folding the extensions in connection with the legs, beneath the table top.

13. In an extension table, the combination of a pedestal, table tops slidably supported by the pedestal, legs pivotally connected to the underside of a top, an extension pivoted to each leg, a rod pivotally connecting each of the extensions to the table top, means with which the legs contact in the closing movement of the top, thereby

folding the legs, and said rods folding the extensions in connection with the legs, beneath the table top, and plates connected to the legs and to the extensions serving to hold the extensions rigid in a lateral direction with respect to the legs. 15

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 20

JOSEPH WALLIN.

Witnesses:

J. AUG. CARLSTROM,
A. O. BEHEL.