

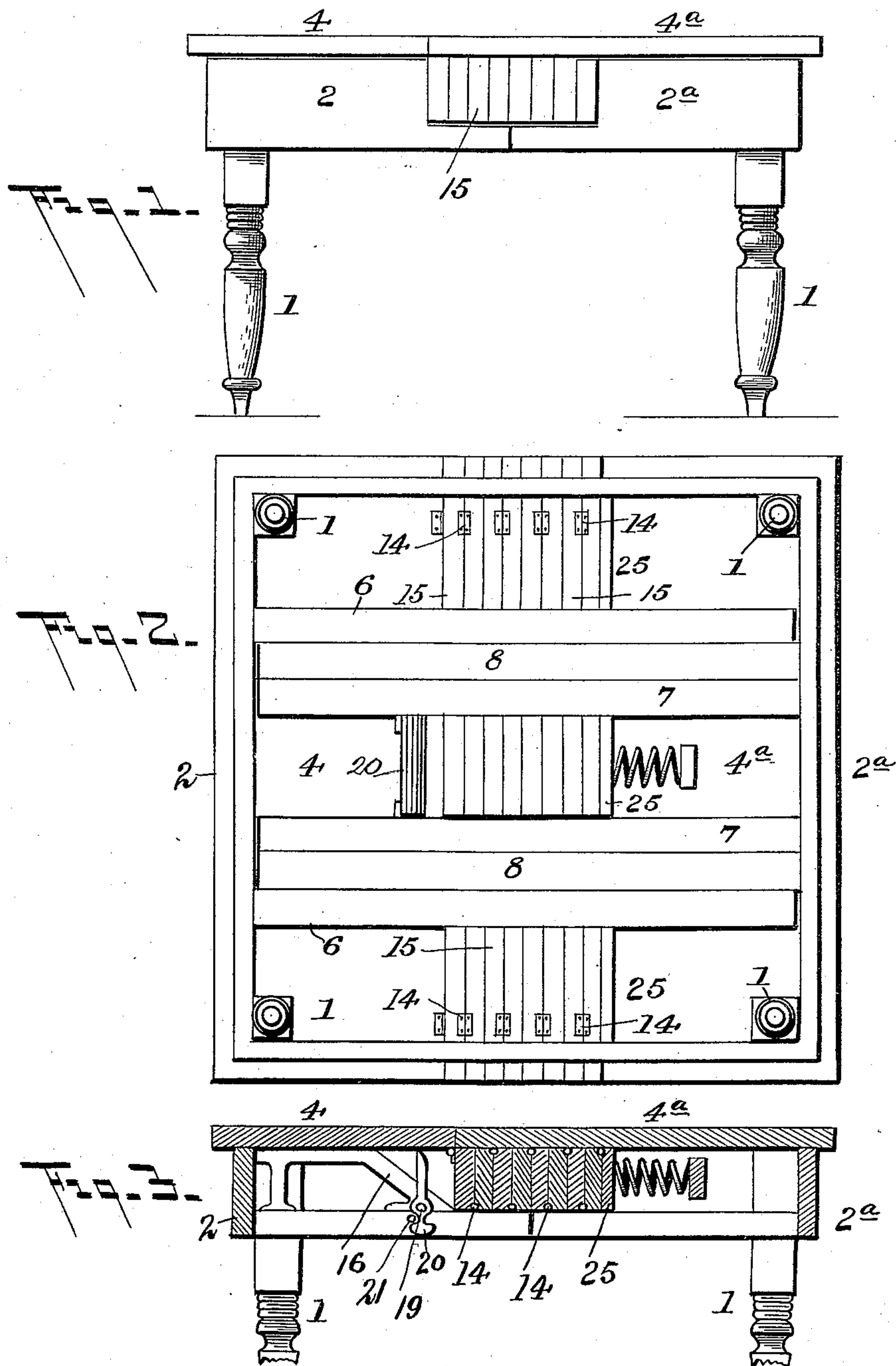
(No Model.)

2 Sheets—Sheet 1.

E. F. BAUM.
EXTENSION TABLE.

No. 507,401.

Patented Oct. 24, 1893.



Witnesses:
F. L. Ourand.
J. L. Bloomer

Inventor:
Edward F. Baum,
Lawson & Co.
Attorneys.

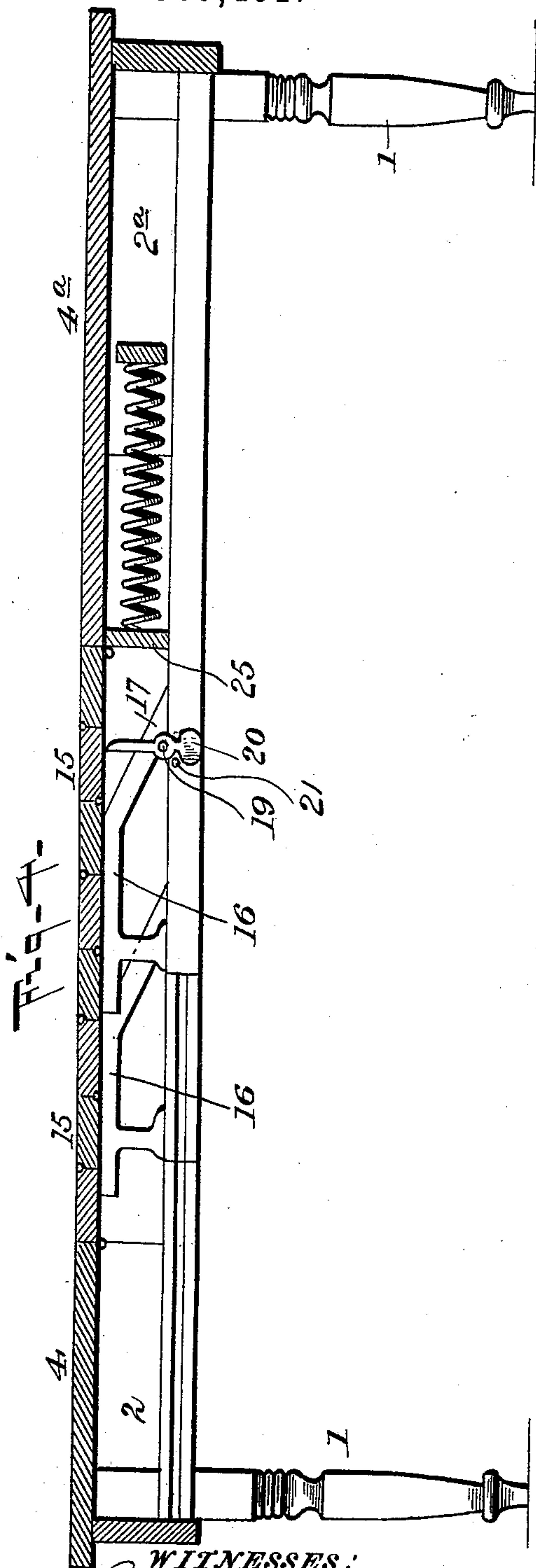
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2 Sheets—Sheet 2.

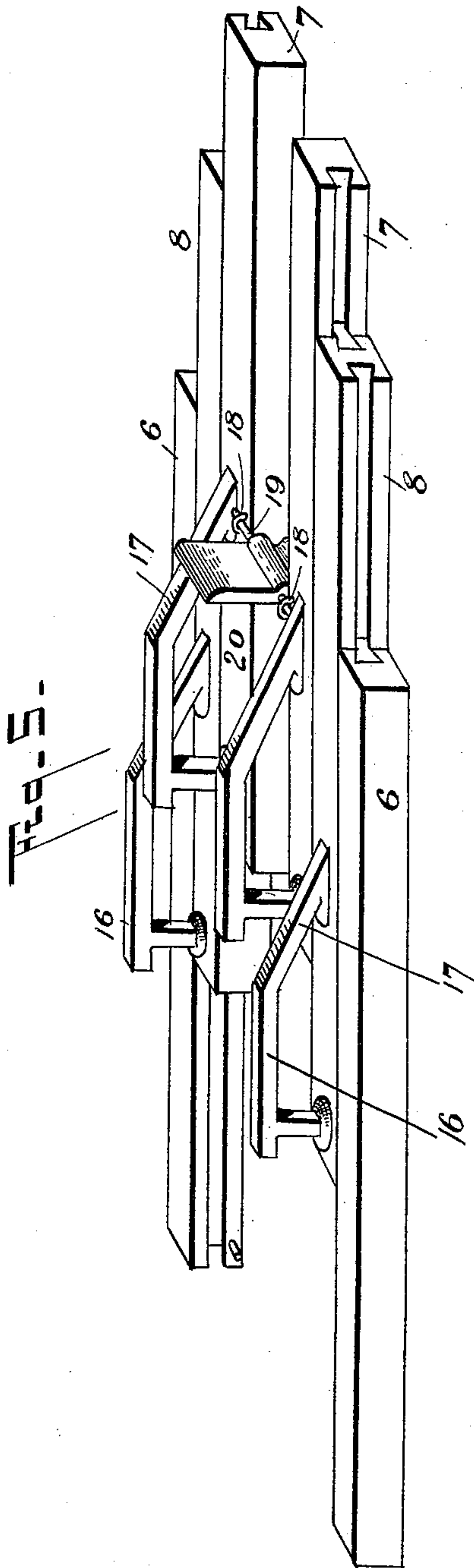
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WITNESSES:
F. L. Orvand.
J. L. Coombs



INVENTOR:
Edward F. Baum
By Louis Taggart & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

EDWARD F. BAUM, OF HARRISBURG, PENNSYLVANIA.

EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 507,401, dated October 24, 1893.

Application filed February 4, 1893. Serial No. 460,932. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. BAUM, a citizen of the United States, and a resident of Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Extension-Tables; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in extension tables of that class or description in which the supplemental leaves are hinged to the main leaves in such manner that when the table is extended said supplemental leaves will be automatically elevated into position and automatically lowered when the table is folded.

The object of the invention is to provide an improved table of the above character, which shall possess superior advantages with respect to efficiency in operation.

The invention consists in the novel construction and combination of parts, herein-after fully described and claimed.

In the accompanying drawings: Figure 1 is a side elevation of an extension table constructed in accordance with my invention. Fig. 2 is an inverted plan view. Fig. 3 is a central longitudinal section. Fig. 4 is a similar view showing the table extended. Fig. 5 is a detail perspective view of the slides.

In the said drawings, the reference numeral 1 designates the legs which support the frames 2, and 2^a to which are secured the main or end leaves 4 and 4^a. The inner ends of frame 2 are recessed or cut-away as seen in Fig. 1, to receive the ends of the hinged leaves herein-after described, over which the inner end of leaf 4^a projects when the table is closed or shut up.

The reference numerals 6, 6, designate inwardly projecting bars secured at one end to the frame 2, and the numerals 7, 7, designate similar bars secured to the frame 2^a. They may also be secured to the main leaves 4 and 4^a, if desired, and between each of the bars 6

and 7, is a slide 8. Any number of these slides may be employed and they and the bars may be provided with tenons and grooves as in the ordinary construction of such tables whereby the slides may be extended.

Connected with the main leaf 4 and the transverse board 25, and also to each other alternately at the top and bottom, by means of hinges 14, is a series of supplemental leaves 15 which extend from side to side of the table, as seen in Fig. 2. When the table is folded these leaves occupy a vertical position, with the inner end of leaf 4^a extending over the same as shown in Figs. 1 and 3, but when the table is extended, they assume a horizontal position, as seen in Fig. 4.

The bars 7 and slides 8, at or near the ends which abut against frame 2, are provided with brackets 16 having their front ends beveled or inclined, as seen at 17. These brackets serve the two-fold purpose of elevating the leaves 15 as the table is being extended, and of supporting them in their elevated position. The bars 7 at the inclined ends of said brackets are provided with staples 18, in which are pivoted the journals 19 of a counterbalanced swinging support 20. A pin or stop 21 is provided in one of the bars 7 to limit the movement of the support.

Underneath the leaf 4^a is located a coiled spring 23, one end of which is secured to a transverse bar 24, while the other bears against a transverse board 25. This board moves with the leaves as they are being elevated, and when they are closed it serves to hold them together.

The operation is as follows: When the table is extended the inclined ends of the brackets will strike the hinged leaves successively elevating them in their movement, and also supporting them after being elevated, as will appear from Fig. 4, the swinging support 20 holding and supporting the last two leaves raised which lie above the inclined ends of the brackets. To fold the table, it is necessary to pull it a little farther apart. Then when it is pushed together, the leaves catch the swinging support and carry it back throwing it off its "dead center," when their weight is sufficient to carry it entirely back and al-

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low them to fall. The pin prevents the "dead center" from being broken by a forward movement.

Having thus described my invention, what I claim is—

1. In an extension table, the combination with the horizontally movable frames, the main leaves secured thereto, the horizontally movable bars secured to said frames and the slides connected with said bars, of the series of supplemental leaves, alternately hinged together at the top and bottom and one of the end leaves of the series hinged to one of the main leaves, and the other end leaf of the series hinged to the transverse board, the brackets having inclined ends secured to said bars and slides, and the swinging counterbalanced support, substantially as described.

2. In an extension table, the combination with the horizontally movable frames, the

main leaves secured thereto, the horizontally movable bars secured to said frames, and the slides secured to said bars, of the horizontally movable transverse board, the series of supplemental leaves alternately hinged together at the top and bottom, and one of the end leaves of the series hinged to one of the main leaves, and the other end leaf of the series hinged to the transverse board, the brackets having inclined ends secured to said bars and slides, the swinging counterbalanced support, and the coiled spring bearing against said movable board, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

EDWARD F. BAUM.

Witnesses:

S. W. FLEMING,

B. EDWARD TAYLOR.