

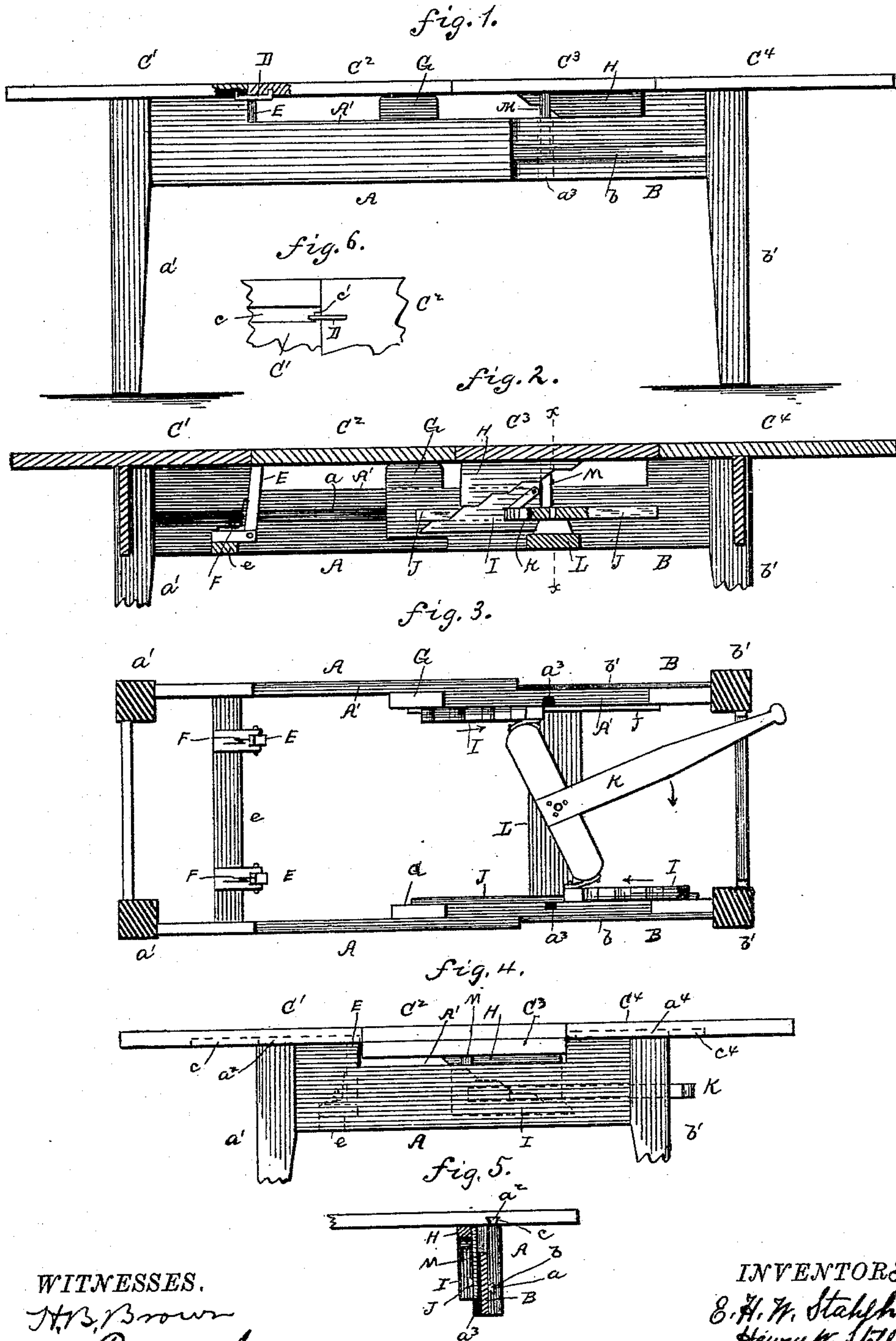
(No Model.)

2 Sheets—Sheet 1.

E. H. W. & H. W. STAHLHUTH.
EXTENSION TABLE.

No. 401,310.

Patented Apr. 9, 1889.



WITNESSES.
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A. Ruppert.

INVENTORS,
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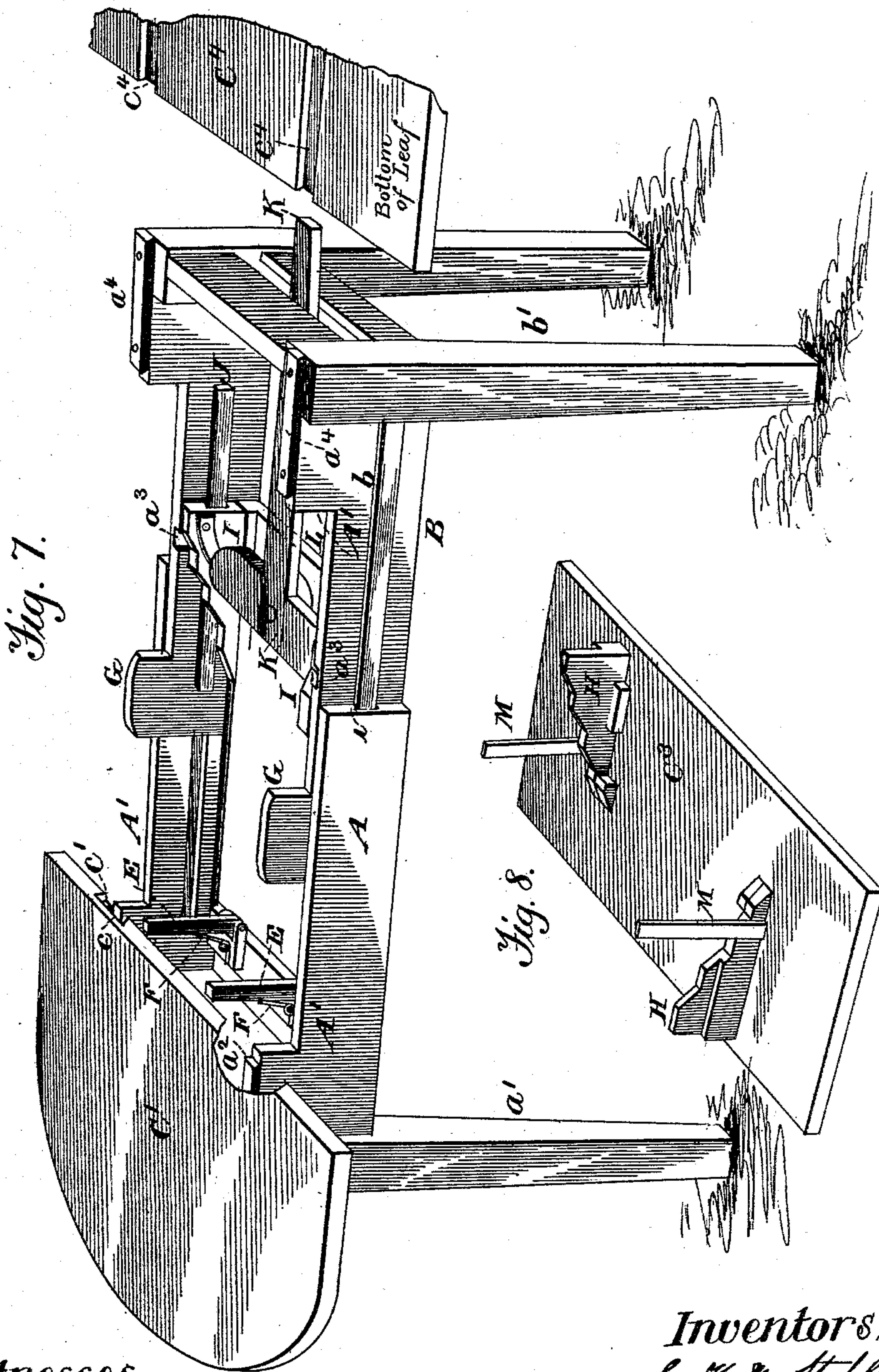
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UNITED STATES PATENT OFFICE.

ERNST H. W. STAHLHUTH AND HENRY W. STAHLHUTH, OF CINCINNATI,
OHIO.

EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 401,310, dated April 9, 1889.

Application filed April 27, 1888. Serial No. 272,039. (No model.)

To all whom it may concern:

Be it known that we, ERNST H. W. STAHLHUTH and HENRY W. STAHLHUTH, citizens of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Extension-Tables; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The special object of the invention is to always keep the inner leaves of an extension-table on the frame, so that they may be used without loss of time; secondly, to extend the table-frame itself, so as to give the leaves, with their superposed weight, a firm and substantial support; thirdly, to make both the end leaves slide, so as to contribute to the extension, and, fourthly, to arrange the extension-leaves under the end leaves, so that they may be elevated into place when needed.

Figure 1 of the drawings is a bottom plan view of table without the leaves; Fig. 2, a longitudinal vertical elevation, partly in section of Fig. 1; Fig. 3, a similar view on line *y y* of Fig. 1; Fig. 4, a side elevation showing the extension-leaves one under the other; Figs. 5 and 6, detail views hereinafter described. Fig. 7 is a perspective view with all the leaves removed except the end ones. Fig. 8 is a perspective view showing the step-wedges and the guide-pieces on one of the leaves.

In the drawings we show the table-frame, consisting of the two sections A B, connected by a dovetailed groove and tenon, *a b*, so that they may be drawn out in opposite directions, each being provided with two legs, *a' a'* and *b' b'*. The section A has on top the dovetailed tenons *a² a²*, on which fit the dovetailed grooves *c c*, which are on the under side of the leaf C', said grooves run-

ning to a lip, *c'*, in which are caught the underhooks, D D, which are attached to the under side of the leaf C² just outside of the frame, so that the next leaf C² may be prevented from sliding out on either side.

The leaf C', when pushed as far as possible on the table-frame, is not only supported on the legs and frame, but also upon standards E E, which may be pivoted and upheld by springs, so as not to create too much friction when the end leaf, C', is slid back and forth. It also rests upon the inner end of a riser, G, so that the table will be solid and the leaves not liable to yield under weight.

The leaf C³ is provided on its under side with the fixed wedges H H, corresponding to the wedges I I, which are rabbeted and slide upon rails J J, attached to the inside of the side rails of the frame. Each of the movable wedges I is flexibly connected with one end of the T-head of the lever K, which is fulcrumed upon a cross-bar, L, on the bottom of frame A. The leaf C³ has also on its bottom the guide-pieces M M, which work up and down in the vertical-frame grooves *a³*. The leaf C⁴ has on the under side the dovetailed grooves *c⁴ c⁴*, working on the corresponding tenons, *a⁴ a⁴*, of the frame, so as to allow of extension. When the leaves C' C⁴ are sufficient for table use without the extension-leaves C² C³, the latter lie in the side-frame grooves A' A'; but if one or both of the latter are required the leaf C³ is raised by the wedges I I, which slide under the wedges H H. By moving the T-lever to one side the wedges are pressed against each other to raise leaf C³, and by moving it in an opposite direction the wedges are forced apart, so as to lower said leaf. The leaves are thus all retained in the table, may be easily raised into place, and require but little expenditure of labor or waste of time.

What we claim as new, and desire to protect by Letters Patent, is—

1. An extension-table having two dovetailed tenons, *a²*, on one of its two sections, a correspondingly-grooved leaf, C', with the

lip c' , a leaf, C^2 , with subjacent hooks D, standards E, and riser G, arranged as shown and described, for the purpose set forth.

2. In extension-tables, the lever K and movable wedges I, the latter flexibly connected with one end of the T-head of said lever, in combination with wedges H H and leaf C^3 , as and for the purpose specified.

In testimony whereof we affix our signatures in presence of two witnesses.

ERNST H. W. STAHLHUTH.
HENRY W. STAHLHUTH.

Witnesses:

JOS. WAKEMAN,
H. BRANDHORST.