No. 677,442. Patented July 2, 1901.

G. M. EAMES.

SECTIONAL TABLE OR BENCH.

(Application filed Apr. 13, 1901.)

(No Model.) 2 Sheets—Sheet 1.

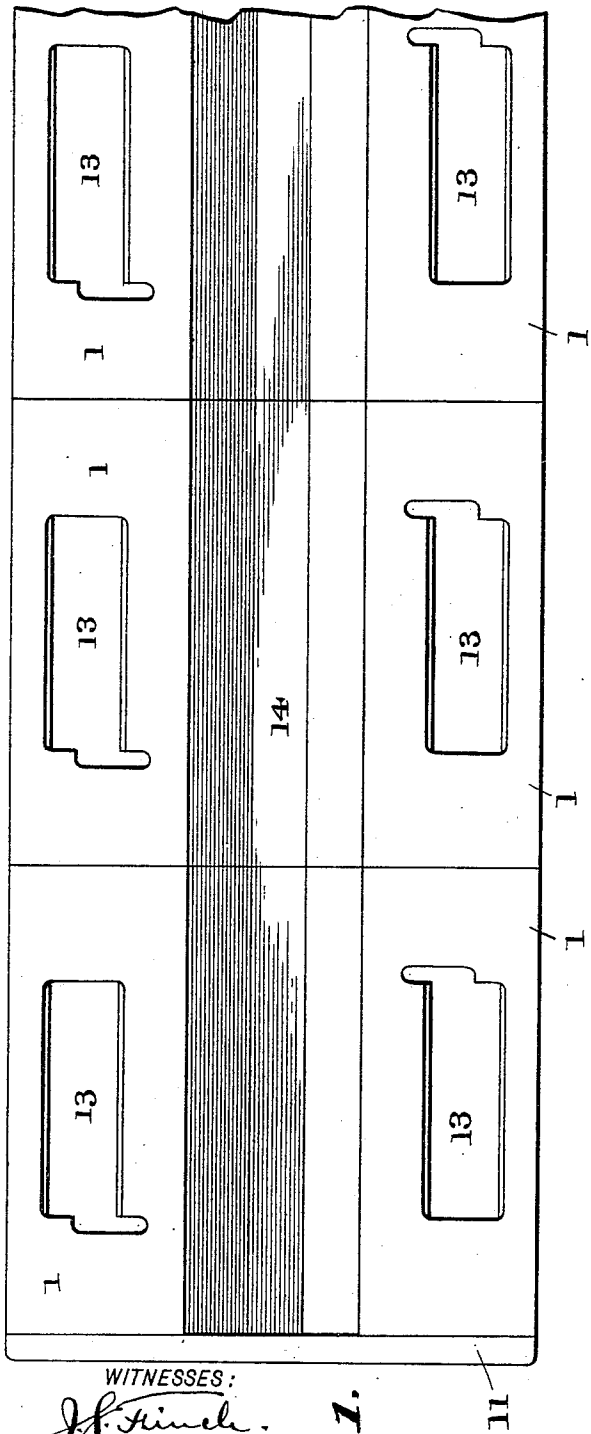


Fig. 1.

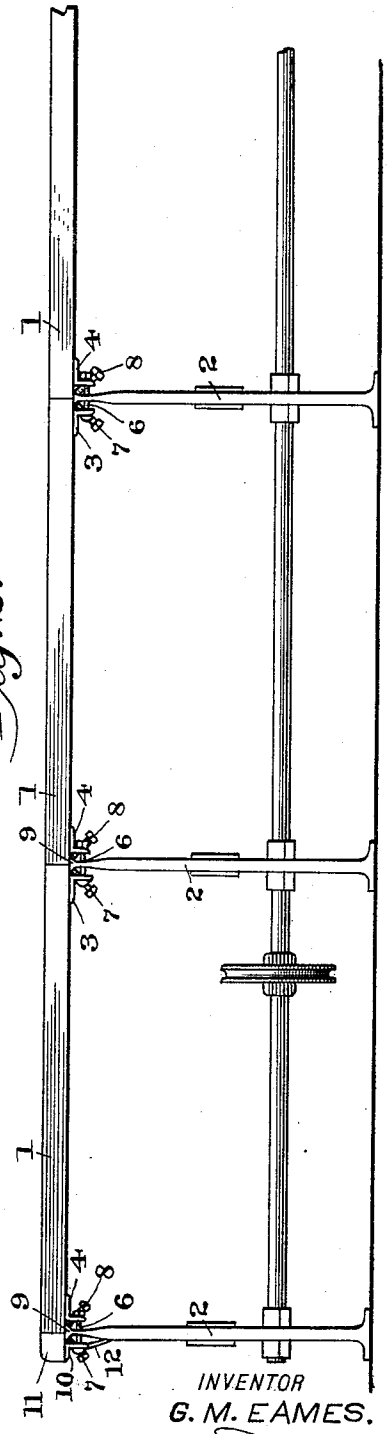


Fig. 2.

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INVENTOR

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Fig. 4.

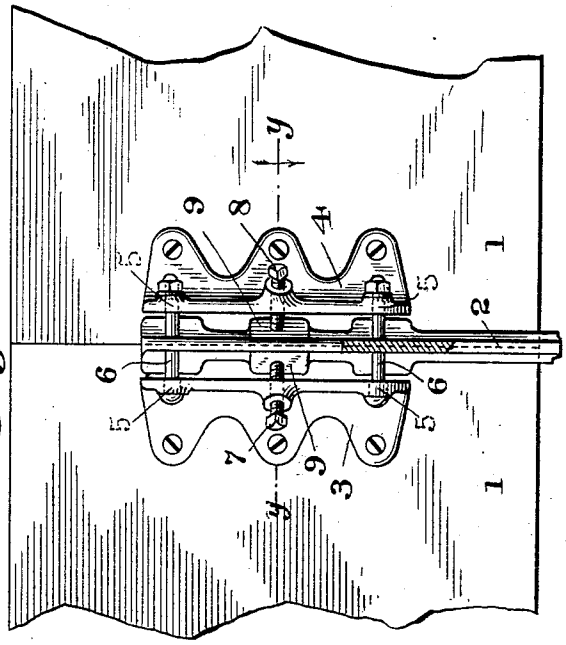


Fig. 7.

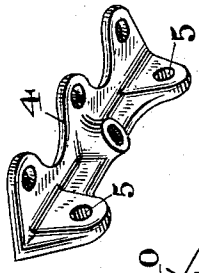


Fig. 8.

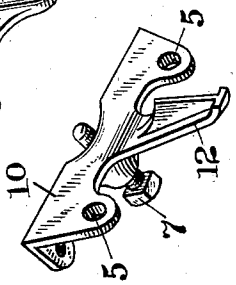


Fig. 3.

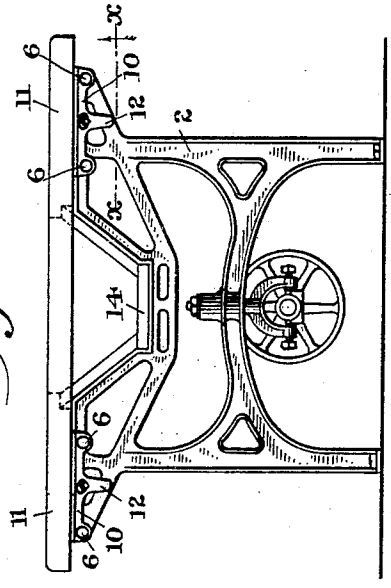


Fig. 5.

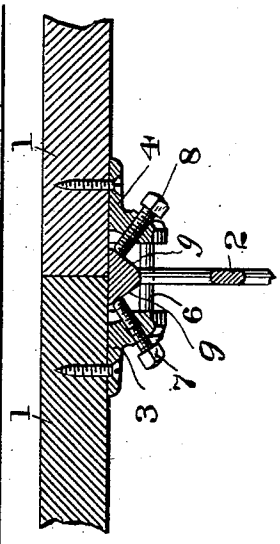
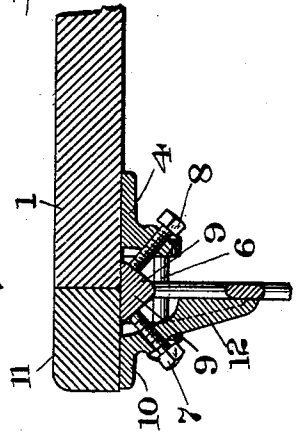


Fig. 6.



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UNITED STATES PATENT OFFICE.

GEORGE M. EAMES, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE WHEELER & WILSON MANUFACTURING COMPANY, OF SAME PLACE.

SECTIONAL TABLE OR BENCH.

SPECIFICATION forming part of Letters Patent No. 677,442, dated July 2, 1901.

Application filed April 13, 1901. Serial No. 55,711. (No model.)

To all whom it may concern:

Be it known that I, GEORGE M. EAMES, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented a certain new and useful Improvement in Sectional Tables or Benches, of which the following is a full, clear, and exact description.

My invention relates to work tables or benches made in sections, and especially to the manner of securing the abutting ends of he sections forming the work-surface of the able or bench.

The object of my invention is to provide a ork-table which may be easily assembled or erected in position for use without requiring any great degree of skill and at the same ime at a considerable reduction in the labor ecessary.

My invention consists in a table or bench composed of sections and supporting-legs, said sections having suitably-constructed clamping knees or brackets applied thereto and adapted to be bolted together and provided with adjusting-screws mounted therein, so as to exert a pressure between the supporting-legs and clamping-knees for the purpose of holding said sections tightly upon the supporting-legs and also to afford a limited lengthwise adjustment of said sections.

In the accompanying drawings, illustrating my invention, in the several figures of which like parts are similarly designated, Figure 1 is a plan view of a work-table composed of sections having their ends butt-jointed and secured together in accordance with my invention. Fig. 2 is a front elevation of said table. Fig. 3 is an end elevation of the same. Fig. 4 is an inverted plan view of the abutting ends of two of the middle sections of said table, taken on the line $x\,x$ of Fig. 3. Fig. 5 is a sectional elevation taken on the line $y\,y$ of Fig. 4. Fig. 6 is a view similar to Fig. 5, but taken in a plane intersecting one of the end sections of the table. Fig. 7 is a perspective view of one of the clamping-knees, such as are attached to the middle sections; and Fig. 8 is a perspective view of one of the clamping-knees for the end sections.

In carrying out my invention as shown in the drawings I use main or middle sections 1, supported upon the legs or standards 2, the upper surfaces of which legs are made flat and of sufficient width for the abutting ends of the sections 1 to rest upon.

3 and 4 are clamping-knees secured to the under surface of the sections 1, near the respective ends of the latter, in such position as to insure the proper alinement of the bolt-holes 5 in said clamping-knees.

6 represents tie-bolts or other fastenings fitted within the holes 5 made therefor, by means of which the respective clamping-knees and said sections to which they are fixed are bolted together.

7 and 8 are adjusting-screws tapped in the respective clamping-knees 3 4, preferably obliquely with relation to the bottom surface of the table. The ends of said adjusting-screws bear against the legs 2 in such manner as to force the table-sections downwardly thereon, and I prefer to provide inclined abutments 9 upon said legs, against which said screws bear.

The clamping-knees 10 for the end sections 11 (only one shown) of the table are made precisely similar to the clamping-knees 3 4, except that an extension or finger 12 is formed on and depends from each of said clamping-knees 10 and is adapted to bear against the adjacent supporting-leg 2 to prevent said end section 11 being tilted downwardly by tightening of either the tie-bolts 6 or adjusting-screws 7 8.

In the practical application of my improvement the table-sections 1 and 11 are manufactured and supplied to the trade with the clamping-knees screwed in proper position thereon, and in erecting a table in position for use the legs 2 are first secured in proper position to the floor. The table-sections are then placed upon the supporting-legs, and the parts are then bolted together, as previously described. The adjusting-screws 7 8 are then manipulated to force the bolted sections tightly down upon the supporting-legs. In case a limited lengthwise adjustment of the table-sections is required the same may be obtained by loosening one of the screws 7 8 and tightening the other, as will be readily understood by reference to Figs. 4 and 5.

In the drawings I have shown my improved

table as equipped for use in connection with sewing-machines, what is known to the trade as a "double table" being illustrated, each of the various sections 1 being provided with an opening 13 for the reception of a sewing-machine and a work-trough 14 separating the two rows of table-sections; but of course I do not wish to be confined to this particular construction of table, since my invention is equally applicable to tables or work-benches for various other uses.

What I claim is—

1. In a sectional work-table, the combination of supporting-legs with table-sections mounted thereon, clamping-knees fixed to said sections and bolted together, and adjusting-screws carried by said clamping-knees and coöperating therewith and with the supporting-legs to force said table-sections against and hold them in position upon said legs, substantially as set forth.

2. In a sectional work-table, the combination of supporting-legs with table-sections mounted thereon, clamping-knees fixed to said sections and bolted together, and adjusting-screws carried by said clamping-knees and coöperating therewith and with the supporting-legs to permit a limited lengthwise adjustment of said sections and to force the sections against and hold them in position upon said legs, substantially as set forth.

3. In a sectional work-table, the combination of supporting-legs with table-sections mounted thereon, clamping-knees applied to said sections and bolted together, and adjusting-screws tapped in said clamping-knees and adapted to bear against said supporting-legs, substantially as set forth.

4. In a sectional table, the combination of supporting-legs provided with inclined abutments, table-sections mounted on said legs, clamping-knees applied to said sections and bolted together, and adjusting-screws tapped in said clamping-knees and adapted to bear against the inclined abutments formed on said supporting-legs, substantially as set forth.

5. In a sectional table, the combination of supporting-legs, table-sections mounted thereon, clamping-knees applied to said sections and bolted together, one of said clamping-knees being provided with a finger or extension adapted to bear against an adjacent supporting-leg, and adjustings-crews tapped in said clamping-knees and adapted to bear against said supporting-legs, substantially as set forth.

6. A sectional work table or bench, having a series of sections butt-jointed, clamping-knees applied to the adjacent ends of such sections, supporting-legs arranged between adjacent knees and receiving the abutting ends of the sections, and means to connect the knees about the legs, substantially as set forth.

7. A sectional work table or bench, having a series of sections butt-jointed, clamping-knees applied to the adjacent ends of such sections, supporting-legs arranged between adjacent knees and receiving the abutting ends of the sections, means to connect the knees about the legs, and means to adjust the sections about the legs, substantially as set forth.

In testimony whereof I have hereunto set my hand this 12th day of April, A. D. 1901.

GEORGE M. EAMES.

Witnesses:
C. N. WORTHEN,
E. I. VAN HORN.

Corrections in Letters Patent No. 677,442.

It is hereby certified that in Letters Patent No. 677,442, granted July 2, 1901, upon the application of George M. Eames, of Bridgeport, Connecticut, for an improvement in "Sectional Tables or Benches," errors appear in the printed specification requiring correction, as follows: In line 51, page 1, the word "drawings" should read *single illustration given;* in line 61, same page, the word "represents" should read *are;* and in line 54, page 2, the compound word "adjustings-crews" should read *adjusting-screws;* and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 16th day of July, A. D., 1901.

[SEAL.]

F. L. CAMPBELL,
Assistant Secretary of the Interior.

Countersigned:

E. B. MOORE,
Acting Commissioner of Patents.