No. 678,888. Patented July 23, 1901.

J. LUGER, JR.

DETACHABLE TABLE LEG.

(Application filed Oct. 8, 1900.)

(No Model.)

Fig. 1.

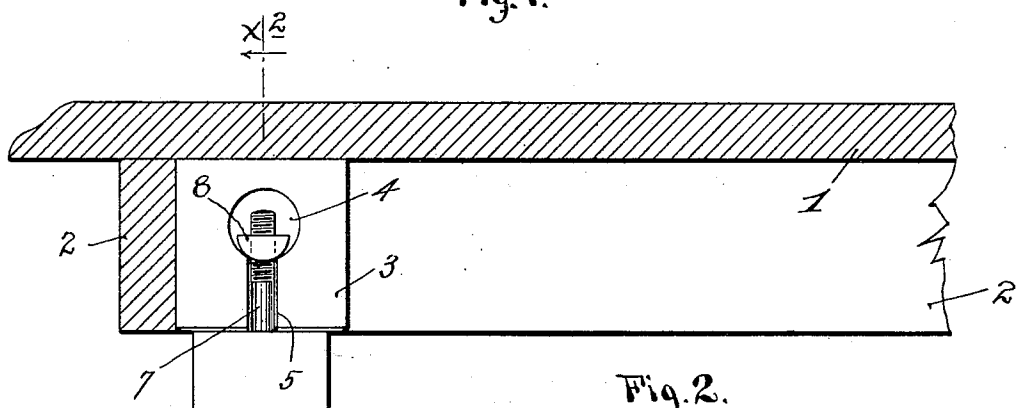


Fig. 2.

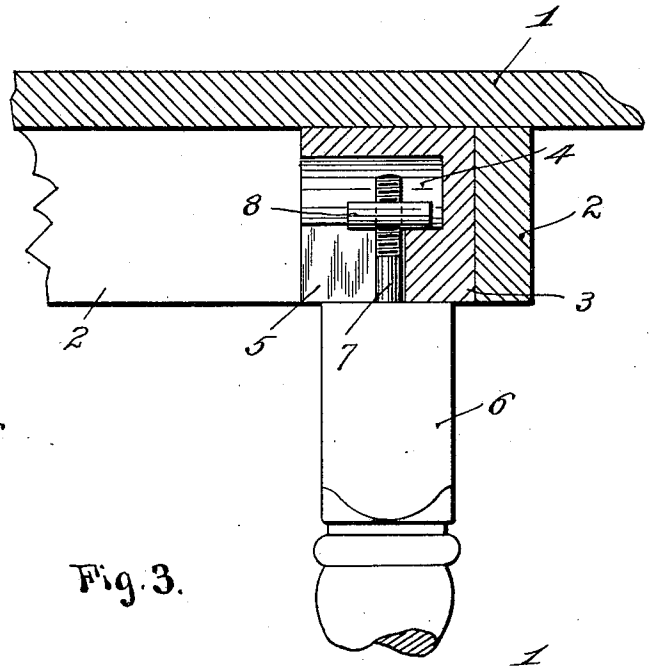
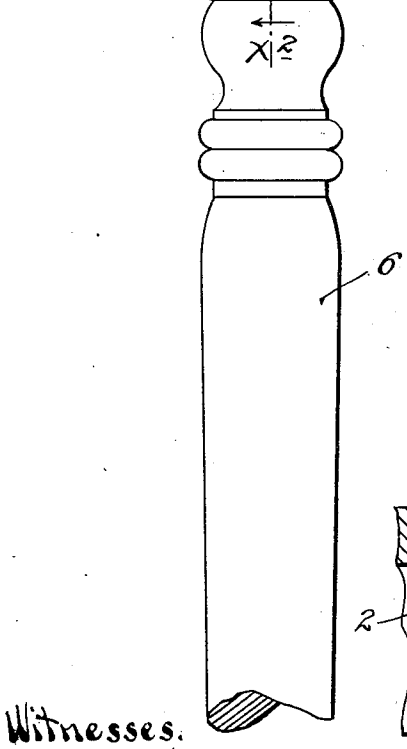
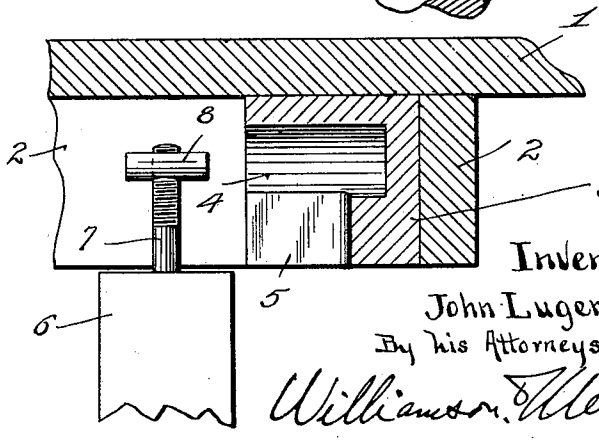


Fig. 3.





Witnesses.
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

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DETACHABLE TABLE-LEG.

SPECIFICATION forming part of Letters Patent No. 678,888, dated July 23, 1901.

Application filed October 8, 1900. Serial No. 32,333. (No model.)

To all whom it may concern:

Be it known that I, JOHN LUGER, Jr., a citizen of the United States, residing at North St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Detachable Table-Legs; and I do hereby 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.

My invention relates to tables, and has for its object to provide a simple and efficient device for detachably connecting the table-legs to the top or body of the table.

To this end the invention consists of the novel devices and combinations of devices hereinafter described, and defined in the claim.

Figure 1 is a view in vertical section, showing a portion of the table the legs of which are secured by means of my improved devices. Fig. 2 is a transverse vertical section taken on the line x^2 x^2 of Fig. 1, some parts being broken away; and Fig. 3 is a view corresponding to Fig. 2, but showing the leg detached from the body.

The numeral 1 indicates the table-top, which, as shown, has depending side and end rails 2.

The numeral 3 indicates corner-blocks, which are rigidly secured to the table-top 1 and, as shown, are located in the corner angles formed by the rails 2. These corner-blocks may be thus secured or in any other suitable location and in any suitable manner, as by screws or glue, or both. Longitudinal seats or recesses 4 are bored into the blocks 3, and narrow slots or passages 5 are cut from the seats 4 through to the bottoms of the said corner-blocks.

The numeral 6 indicates one of the legs, of which, of course, the table would ordinarily have four.

The numeral 7 indicates a screw-threaded bolt or stud which projects vertically from the upper end of the leg 6 and is rigidly secured at its lower end within the leg in any suitable manner—as, for instance, by screw-threads.

The numeral 8 indicates an elongated nut which works on the screw-threaded upper end of the bolt 7 and, as shown and preferred, is semicylindrical in cross-section, although it might be round or have other form. The nut 8 being loosened, the leg is applied by moving it laterally from the position indicated in Fig. 3 into the position indicated in Fig. 2, under which movement the bolt 7 is moved sidewise through the passage 9, and the elongated nut 8 is moved endwise into the cylindrical seat 4. The nut 8 cannot turn within the seat 4, and hence the leg 6 is tightened and secured by turning it, together with the bolt 7, so as to cause the nut to tightly clamp the upper end of the leg against the bottom of the corner-block 3. It will thus be seen that it is not necessary to remove the nut from the bolt, either in the act of connecting or detaching the leg from working position. It is also evident that the leg may be attached and detached very quickly and without the use of a wrench or tool of any kind and also that the device for attaching the leg is of extremely small cost. The nut 8 and the seat 4 for the same in the table-block 3 must be of such relative shapes or of such relative sizes as to prevent the rotation of the nut within the seat when the leg is being screwed up to place.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

The combination with a table-top, having a corner-block 3 formed with the horizontal recess or nut-seat 4 with contracted bolt-passage 5, said seat 4 opening directly at one side of the block, of the table-legs 6 having the screw-bolt 7 rigidly anchored to and projecting from its upper side, and the nut 8 on the said bolt 7, which nut and bolt are, respectively, insertible in said seat 4 and passage 5, by lateral movement of the parts, and which nut 8 is of such length that it cannot be turned within the said seat 4, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN LUGER, JR.

Witnesses:
A. B. HACKERT,
A. F. HOPPE.