(No Model.)

E. B. CLARK.

DETACHABLE LEG FOR FURNITURE.

No. 451,755. Patented May 5, 1891.

Fig. 1.

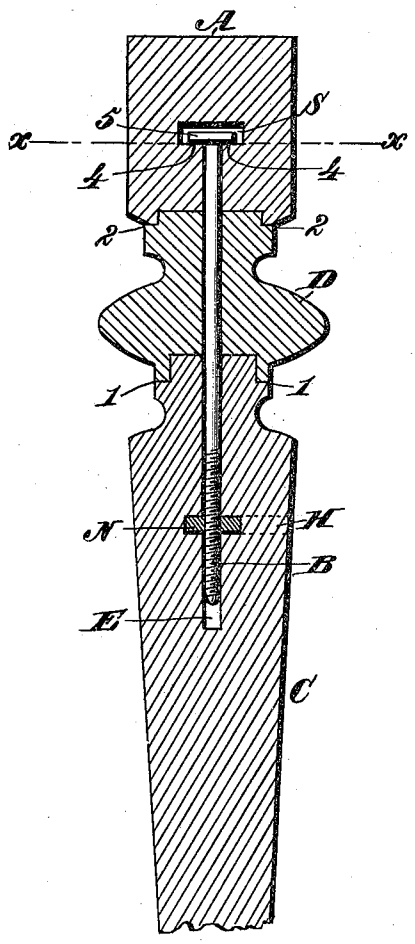
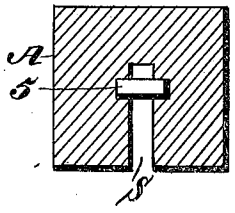


Fig. 2.



Witnesses.
Robt Everett.
Geo. W. Rea

Inventor:
Erwin B. Clark.
By
Edward Taggart.
Atty.

UNITED STATES PATENT OFFICE.

ERWIN B. CLARK, OF GRAND RAPIDS, MICHIGAN.

DETACHABLE LEG FOR FURNITURE.

SPECIFICATION forming part of Letters Patent No. 451,755, dated May 5, 1891.

Application filed July 21, 1890. Serial No. 359,402. (No model.)

To all whom it may concern:

Be it known that I, ERWIN B. CLARK, a citizen of the United States, residing at the city of Grand Rapids, in the county of Kent and State of Michigan, have invented a certain new and useful Detachable Leg for Furniture, of which the following is a specification.

The invention relates to a detachable leg for furniture, and is adapted for tables, stands, chairs, and other articles of furniture; and the object of the invention is to provide a sectional leg with novel means for detachably securing the parts together to permit the convenient removal of the lower leg-section without disturbing the upper leg-section, which is attached to the table-top or other article. To accomplish this object my invention involves the features of construction and the combination or arrangement of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 shows a longitudinal vertical sectional view of a furniture-leg constructed in accordance with my invention, and Fig. 2 shows a horizontal sectional view of the same on line *x x* of Fig. 1.

Similar letters and figures refer to similar parts throughout the drawings.

A represents the upper portion of a leg, which is usually attached permanently to the table or other article of furniture. It is ordinarily constructed square in cross-section, but may be of any suitable form.

S represents a slot, which in vertical section is preferably slotted, as shown in Fig. 1.

In the example of my invention illustrated in the drawings I have shown three sections, A representing the upper section, D representing the middle section, and C representing the lower section. The section D is provided with an opening entirely through it, and is shouldered so as to fit into the grooves shown by 2 2 in Fig. 1 at the top. At the bottom it has a circular groove and shoulder, into which fits the lower leg, the connection being shown by 1 1.

B is a bolt, preferably of iron or steel, which is shown with the head 5. The groove S, being cut from the side of the leg, allows the head and upper end of the bolt to be slipped into the position shown in the drawings, in which position the head rests against the shoulders formed by the upper end of the slot, the slot at the upper end being broader or T-shaped.

Into the part C of the leg a hole is bored. (Shown by the dotted lines H.) Into this hole is fitted a nut N, which is provided with screw-threads adapted to engage with the screw-threads on the lower end of the bolt B.

E represents the hole in the lower section of the leg, which may be made a little deeper than the length of the bolt, if required. The shoulders upon which the bolt-head 5 rests are shown by 4.

In case the table-leg were made in two sections only the joint 1 1 would be dispensed with and the parts D and C be constructed integral with each other. In case more than three sections are used a third joint, similar to the joint shown by 1 1, would be used. It is evident that the number of sections may be increased or decreased to suit the convenience of the manufacturer. The bolt, however, should extend from its connection with the upper section to its connection with the lower section, thereby binding together all the parts of the leg.

I have described what I deem to be the best method of securing the bolt in position; but it is obvious that variations might be made without departing from the spirit of my invention.

By means of the construction above described that part of the leg below the joint 2 2 may be readily detached by turning the leg and with it the nut, thereby loosening the head of the bolt within the slot S and sliding the bolt out of the slot. The leg and the nut N should, however, be turned a sufficient distance to withdraw the tenon in the section D from the socket in the section A, so that the section D can slip horizontally with reference to the upper section, carrying with it the bolt. It is obvious that the bolt extending lengthwise through the detachable center sections from the upper to the lower sections will greatly strengthen the leg, and by use of this bolt the leg can be carved or turned into any desired shape or size without weakening the leg. It is also obvious that, the leg being constructed in sections, short pieces of stock can be used in building up the leg, and, if found desirable, different varieties of wood may be

used in the same leg, thereby giving a variety to the furniture to which it is attached.

Having thus described my invention, what I claim to have invented, and desire to secure by Letters Patent, is—

1. A leg for tables and other articles of furniture, consisting of the upper leg-section A, having the T-shaped slot S extending from its outer side to its center, the screw-bolt B, adapted to be slipped laterally from the side of the upper leg-section into the T-shaped slot thereof, the lower leg-section C, having a longitudinal bore and a transverse bore H extending from the exterior of one side and intersecting the longitudinal bore, and the nut N, adapted to be inserted laterally through the transverse bore of the lower leg-section to engage the screw-bolt, so that by turning the lower section it can be removed, replaced, and tightened, substantially as described.

2. A leg for tables and other articles of furniture, consisting of the upper leg-section A, having the T-shaped slot S extending from its outer side to its center, the screw-bolt B, adapted to be slipped laterally from the side of the upper leg-section into the T-shaped slot thereof, the intermediate leg-section D, having a center bore and a socket-connection with the upper leg-section, the lower leg-section C, having a socket connection with the intermediate leg-section and provided with a longitudinal bore and a transverse bore H, extending from the exterior of one side and intersecting the longitudinal bore, and the nut N, adapted to be inserted laterally through the transverse bore of the lower leg-section to engage the screw bolt, substantially as described.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

ERWIN B. CLARK. [L. S.]

Witnesses:

EDWARD TAGGART,

ARTHUR C. DENISON.