E. P. WRIGHT.

TABLES.

No. 183,358. Patented Oct. 17, 1876.

Fig. 1.

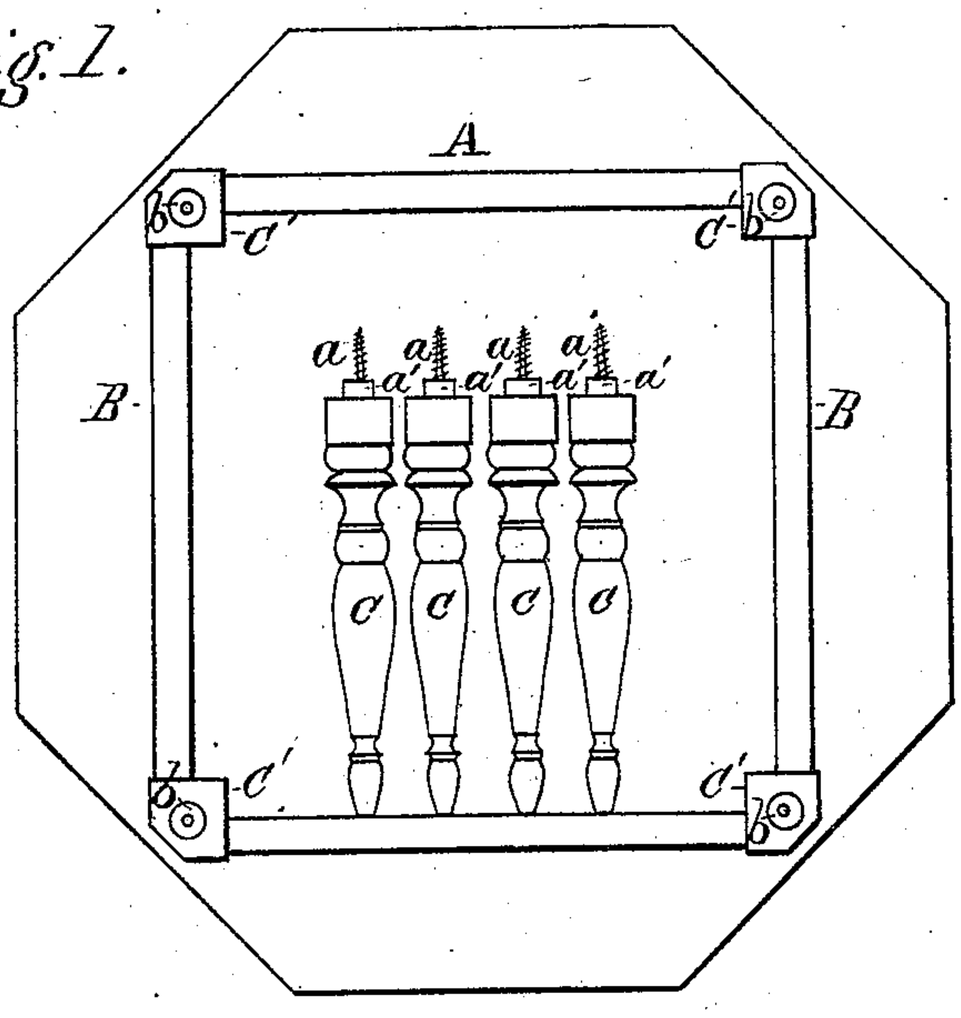

Fig. 2.

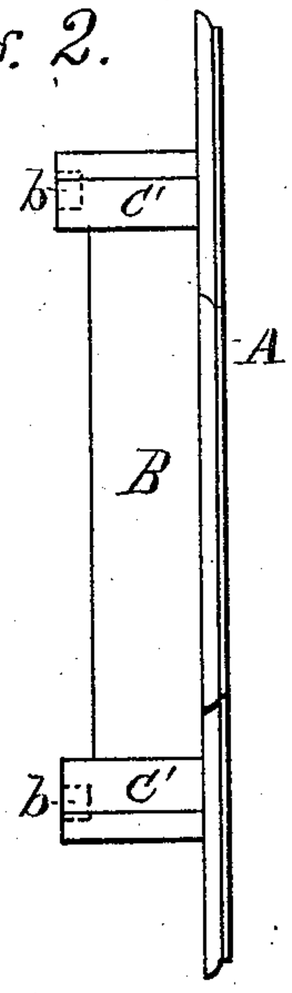

Fig. 4.

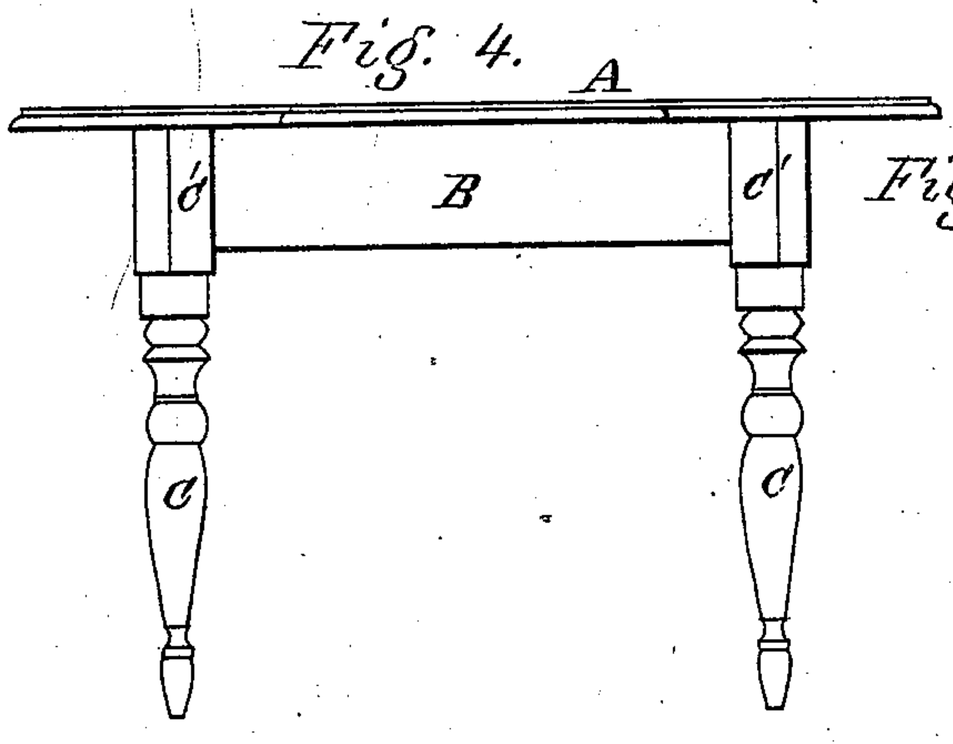

Fig. 3.

Attest.

M. M. Converse

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Inventor.

Ezra P. Wright.

By B. C. Converse

Atty.

UNITED STATES PATENT OFFICE.

EZRA P. WRIGHT, OF SPRINGFIELD, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO JUSTUS V. ELSTER, OF SAME PLACE.

IMPROVEMENT IN TABLES.

Specification forming part of Letters Patent No. **183,358**, dated October 17, 1876; application filed August 8, 1876.

To all whom it may concern:

Be it known that I, EZRA P. WRIGHT, of the city of Springfield, county of Clarke, and State of Ohio, have invented a certain Improvement in Adjustable Table-Legs for Knock-Down Tables, of which the following is a specification:

My invention relates to an adjustable leg for knock-down tables, stands, &c., made in two sections, the upper or square part being fastened into the corners of the frame, which is secured to the table-top in the usual manner.

The leg is divided at the point where the square and round parts unite. The lower or round part of the leg is attached to the end of the upper section by a double-ended screw, the object being to allow of their being easily separated from the upper section and the table knocked down and packed in the least possible space for shipping, also to provide an adjustable leg which shall be firm and substantial when the table is set up.

In addition to the screw, one end of which is permanently screwed into the upper end of the lower section of the leg, the latter is provided with a projecting tenon, (turned on its end,) in the center of which the screw is driven. This tenon fits tightly into a hole bored to receive it in the end of the upper section, so that when the two sections are united the leg is as strong and firm as a solid leg, with the advantage of being easily and quickly attached or detached when required.

Figure 1 is a plan view of the under side of a table provided with my adjustable legs, which are shown detached and placed inside the frame as packed for shipping. Fig. 2 is an edge view of the same. Fig. 3 is an elevation of the lower or detached section of an adjustable table-leg with a tenon and double-ended screw; a portion is broken away to show the relative position of the latter. Fig. 4 is an elevation of a table with my adjustable legs when set up complete.

A is the table-top; B, the rails of the frame. C′ is the upper section of the adjustable leg, which forms the corner-post of the frame, and is mortised and pinned in the usual manner. *b* in Fig. 1 (shown also in dotted lines, Fig. 2) is a hole bored into the upper section C′ the proper depth for the insertion of the tenon *a′* of the leg-section C.

As seen in Fig. 4, a double-ended screw, *a*, of peculiar and novel construction, is permanently inserted down through the center of the tenon *a′* (at the upper end of the lower section C) into the leg. This screw is largest in the middle, and pointed at each end, the thread running in the same direction from end to end. It is driven into the leg with a special tool, consisting of a nut with a shank for fitting in a brace.

The screws may be driven a little more than half their length into the leg-section C, which will prevent their getting loosened or being withdrawn.

In introducing the screw *a* into the upper section C′ while uniting the two sections of the leg, the sides of the tenon *a′*, slipping into the mortise *b*, serves to guide the screw *a* to the center of it, and to insure a perfectly tight joint.

The leg may be divided horizontally on a line with the lower edge of the rails B, so as to lessen the space occupied by the table when packed still more; but the point selected is considered preferable, as affording more margin for a ready fit than where the exterior parts of the leg are required to present an even surface at the joint.

The entering screw end will readily cut its way into the wood, and, after being screwed in when the table is first set up, forms its own nut-thread, which will remain intact, so that the table can be taken down and set up any number of times without injury to the leg.

About one-third of the space required for an ordinary table of the same size is all that is needed for a table with my adjustable leg in packing for shipment, which very greatly lessens its cost of transportation.

The cost of construction is but a trifle more, while its advantages for storage to the manufacturer and dealer are more than threefold over tables constructed with ordinary legs.

I claim as my invention—

As a new article of manufacture, the table, substantially as described, consisting of the top A, rails or braces B, posts C′, with mortise *b*, and legs C, with tenon *a′* and double-ended screw *a*.

EZRA P. WRIGHT.

Attest:

B. C. CONVERSE,

M. M. CONVERSE.