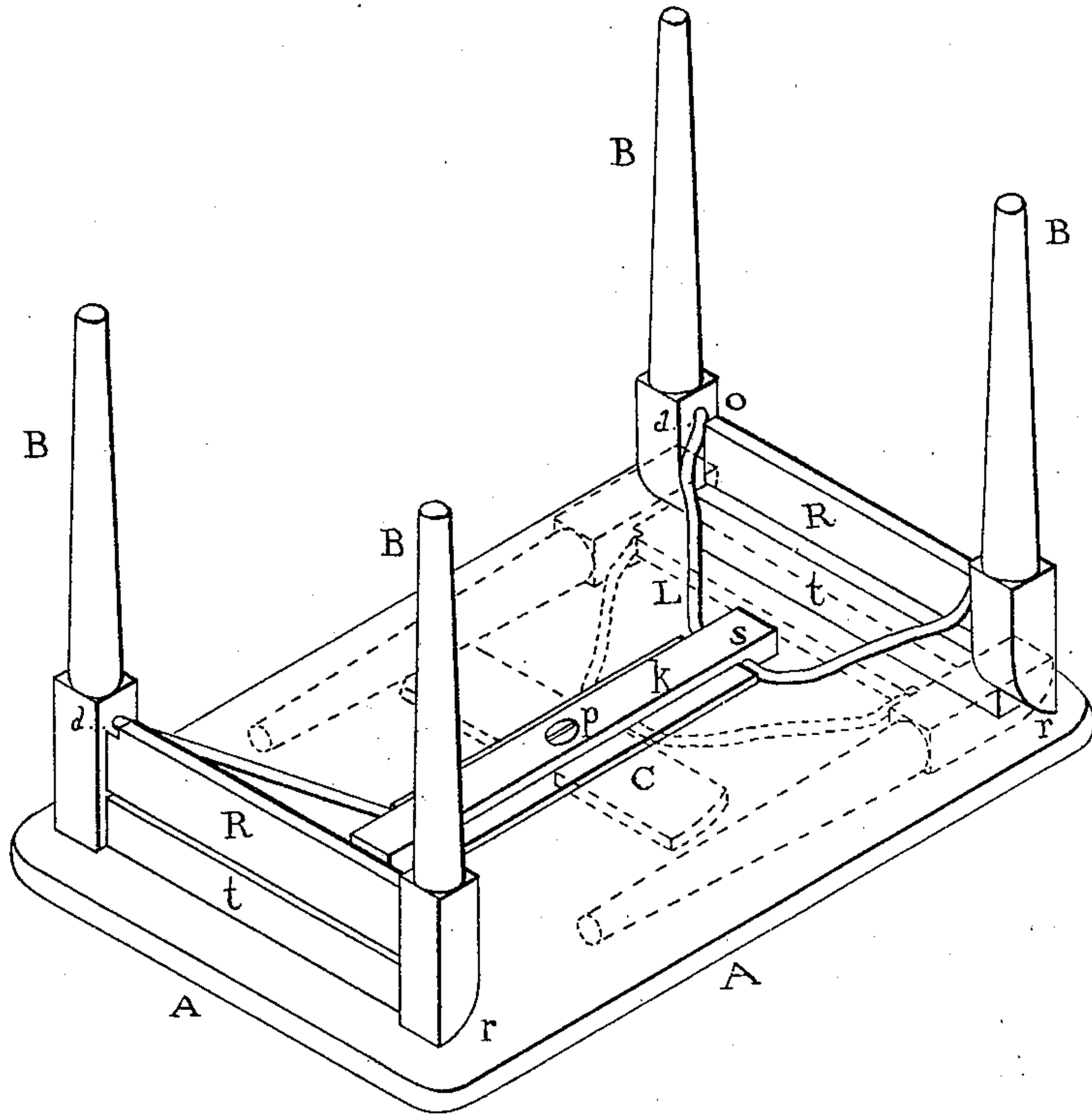


R. H. ARNOLD.
FOLDING TABLE.

No. 185,382.

Patented Dec. 19, 1876.



Witnesses:
E. W. Parsons
Frank Kingsley

Inventor:
Rollin H. Arnold
by *B. F. Parsons atty in fact*

UNITED STATES PATENT OFFICE.

ROLLIN H. ARNOLD, OF HONEOYE, NEW YORK.

IMPROVEMENT IN FOLDING TABLES.

Specification forming part of Letters Patent No. 185,382, dated December 19, 1876; application filed April 21, 1876.

To all whom it may concern:

Be it known that I, ROLLIN H. ARNOLD, of the village of Honeoye, in the town of Richmond, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Folding Tables; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, sufficient to enable those skilled in the art to which it appertains to construct and make use of the invention, reference being had to the drawing accompanying this specification.

In the drawing, which represents the table, in perspective, bottom up, the dotted lines represent the legs folded down close to the leaf, while the full lines show the legs opened out as in standing for use.

My invention consists in a novel combination of devices for holding the legs of a folding table when extended for use rigidly in position. Said devices will be first described, and then pointed out in the claim.

A represents the table bottom-side up. To prevent warping from changes of temperature, near the ends of the leaf are transversely attached the battens *t*, having round tenons, with shoulders formed at each end of the battens, while near the top end in the thick part of the legs are sunk corresponding sockets, into which, after the tenons are inserted, they together constitute a wood hinge, on which the legs turn in folding them to or from the leaf, the rail *R*, to prevent a cross strain and secure desired rigidity, being framed into the legs. In attaching these battens, by screws or other means, to each end of the leaf, they are set off endwise in opposite directions from its center, sufficient to prevent the legs in folding to the leaf from interfering, as shown by dotted lines.

The wire for the loop *L* is chosen with reference to the rigidity of the loop. Its outwardly-bent ends, forming tenons, are loosely inserted behind the shoulders *d* at the lower

edge of the rail *R*, in perforations *o* in the legs, said shoulders permanently securing these tenons in position, while the apex of the loop slides loosely in the keep *k*, which keep is longitudinally attached to the center of the leaf, and the button *C* turns loosely in said keep, its ends when parallel with the keep impinging against the apex of the loop, pressing the same out to the stop *s* of the keep, at which point the legs are at right angles to the leaf.

The operation of my improvement is as follows: To fold the table when standing, it is first turned on its edge; then the button *C*, by turning it crosswise of the table, is released, by which action the loops are set at liberty, when the legs are folded down on the leaf and the table is set aside; or, to set it up, it is set on its side, then the legs are unfolded and turned out at right angles to the leaf, the button is turned its longest way with the keep, rigidly securing all the parts in position, and completing the invention for use.

Having now described the construction and operation of my invention in folding tables, what I claim as my improvement, and for which I ask of the United States Letters Patent, is—

An improved folding table, consisting of the leaf *A*, having the keep *k*, provided with the button *C*, the legs *B*, joined together by the rails *R*, and provided with sockets, in which operate the round tenons of the battens *t*, the metal loops *L*, having their round tenons operating in perforations *o* of the legs secured by the shoulders *d*, and their apexes arranged to slide in the keep *k*, for the purposes substantially as set forth.

In testimony whereof I have hereto, in presence of these two witnesses, subscribed my name on this 17th day of April, A. D. 1876.

ROLLIN H. ARNOLD.

Witnesses:

C. A. PATTERSON,
G. W. PATTERSON.