C. S. HOOD.

Adjustable Folding-Table.

No. 166,874. Patented Aug. 17, 1875.

Fig. 1.

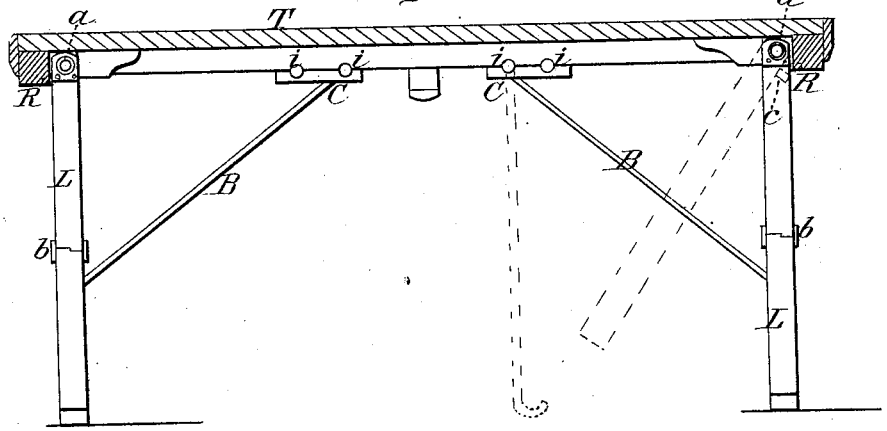


Fig. 2.

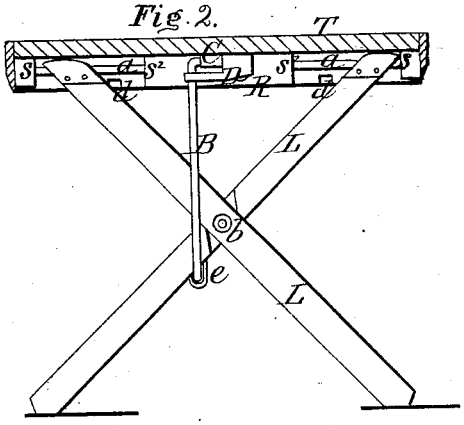


Fig. 3.

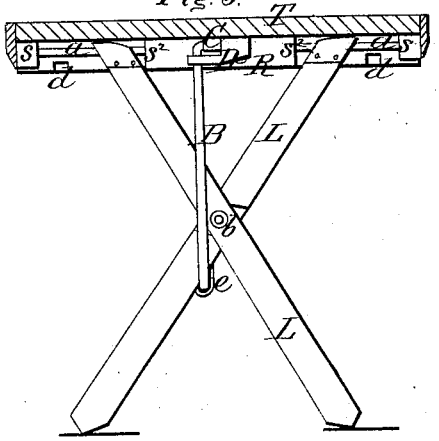
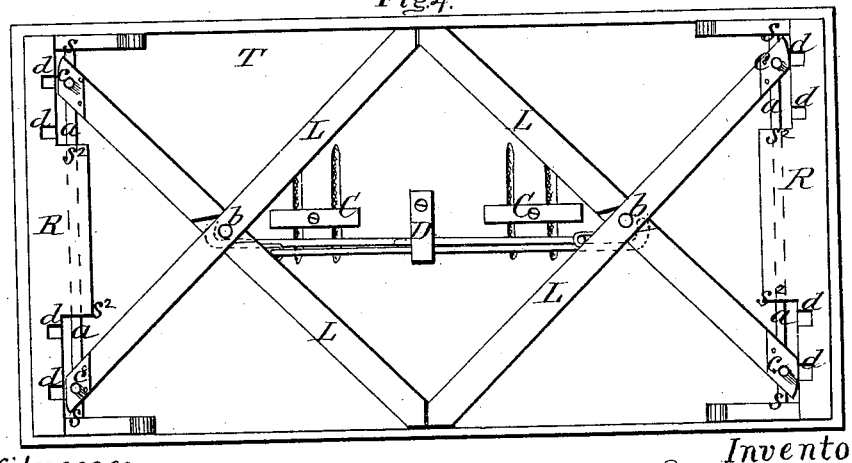


Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

CYRUS S. HOOD, OF CORNING, NEW YORK.

IMPROVEMENT IN ADJUSTABLE FOLDING TABLES.

Specification forming part of Letters Patent No. **166,874**, dated August 17, 1875; application filed July 12, 1875.

To all whom it may concern:

Be it known that I, CYRUS S. HOOD, of Corning, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Adjustable Cutting and Basting Table; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing and to the letters of reference marked thereon, which form a part of this specification.

I desire to give the public in this patent a substantial and cheap folding table, especially adapted for cutting and basting, and having very simple means for adjusting its height, and holding, when so adjusted, without set or clamp screws or springs of any kind. I combine, with the table, legs crossing each other in the shape of an **X**, pivoted at their points of crossing, and hinged upon rods, so as to fold inward, and be spread and brought near together upon said rods, to bring their upper and lower ends nearer to or farther apart, to raise and lower the table, as may be desired. With these adjustable legs I combine pins, arranged to enter notches in the table-rail, to hold the legs in their adjusted position as to height, and making a very simple hold-fast, as the legs need only be moved upon their hinge-rods toward or from the center of the table crosswise, such movement being governed by suitable stops, to bring these holding-pins in position to enter the notches when the legs are brought into a vertical position. In making such movement of the legs they are turned at an angle to the table, so that the pins may move clear of the notches in the under rail, to which the legs are hinged. The legs are braced in their positions to support the table by braces hinged to the legs, and hooking into a suitable button-fastening on the under side of the table, and near the center thereof, and adapted to the adjustment of the legs. In their folded positions the legs and their braces are turned inward, and held upon the under side of the table by a suitably-arranged button, to render the table compact.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of a table embracing my invention; Figs. 2 and 3, cross-sections of the same adjusted at different heights, and Fig. 4 a bottom view of the table with the legs folded and secured in such position.

The legs L, for supporting the table T, are hinged in a peculiar manner to cross-rails R, secured at each end of the table. The legs are of **X** shape, and connected by a strong pivot-bolt, *b*, at their crossing, so that they can be opened wider to lower the table, and brought near together to raise it higher. To effect this the upper ends of the legs are provided with eyes or loops, through which pass horizontal rods *a*, properly secured to the cross-rails R, and the table near the corners thereof, in a manner to serve not only as the hinges upon which the legs are folded inward to the under side of the table, but as ways upon which the hinged ends can be moved inward or outward crosswise, to bring their upper and lower ends nearer to and farther from each other to make the adjustment in height stated. In this the legs have a center and upper-end joint-connections, and both rendered rigid in a simple and strong manner when the table is in use. The cross-joint bolt *b* allows the cross-wise adjustment of the legs, and the end rod-joints *a* the folding of the legs with the length of the table. This is the chief feature of my invention. The joint-rods *a* are secured in recesses at the ends of the rails R, whereby two stops are formed—one, *s*, to limit the outward adjustment, and the other, s^2, the inward adjustment of the legs, for the purpose of bringing a strong pin, *c*, in the outer side of each leg to enter notches *d* in the cross-rail R, made at distances apart to correspond with the adjustment of the legs, and by which means the legs are held firmly in their adjusted positions, and by which such adjustments can be easily made. A strong brace-rod, B, hinged to one of the legs by one end, *e*, is interlocked by its other hook end with a button, C, to hold the legs in position to support the table, the said button C having hold-fasts *i i*, arranged at a distance equal to that of the interlocking notches *d* of the cross-rail, so that the brace B will hold in either adjustment of the legs. A simple bent end of the brace-rod makes this fastening by hooking in

openings in the button. To adjust the table from a higher to a lower level, as may be desired, the brace is unhooked from the button, and the legs turned upon their hinged rods in toward the table-bottom just enough to clear the pins *c c* of the rail-notches *d*, when the leg ends can be moved freely upon the rods *a*, either outward or inward to the stops *s* or s^2, and the legs again turned up with the pins in the notches, and the brace hooked in place. In the folded positions of the legs both are held with their brace-rods B by means of a button, D, with which one of the braces is locked to hold both legs upon the bottom of the table by one rod, as shown in Fig. 4, to allow it to be conveniently placed aside when not in use, and especially to facilitate transportation in numbers packed together like table-tops. The table may be provided with suitable graduated scales on its surface.

I claim—

1. In a cutting and basting table, the combination, with the table T, of the supporting cross-legs L, having the horizontal rods *a*, with the table and the cross-joint-bolt *b* connection, whereby the legs may be adjusted upon their rod-hinges by a sliding movement crosswise to raise and lower the table, and be folded with the table lengthwise, substantially as herein set forth.

2. The combination, with the legs L, hinged or jointed at *b* and *a*, to be adjusted in height, and to fold inward, as described, of the hinged brace-rod B and hold-fast button C *i*, substantially as and for the purpose described.

3. The combination, with the legs L, hinged to adjust the table to a greater or less height by a sliding movement crosswise upon horizontal way-rods *a*, of side pins *c* on the hinged ends of said legs, the cross-rail R, provided with the notches *d*, and the brace hold-fasts *i i*, whereby the legs are locked and braced both crosswise and lengthwise to support the table, substantially as herein set forth.

4. The combination, with the X-legs, hinged to be adjusted upon horizontal way-rods *a*, and provided with pins *c*, for interlocking with the cross-rail, of the stops *s* s^2, whereby to limit the movement of the legs upon said rods, to bring them coincident with the interlocking notches, substantially as herein set set forth.

In testimony that I claim the foregoing I have affixed my signature in presence of two witnesses.

CYRUS S. HOOD.

Witnesses:

JOHN G. WITT,

U. D. HOOD.