(No Model.)

C. H. ROHDE.

TABLE LEAF SUPPORT.

No. 262,984. Patented Aug. 22, 1882.

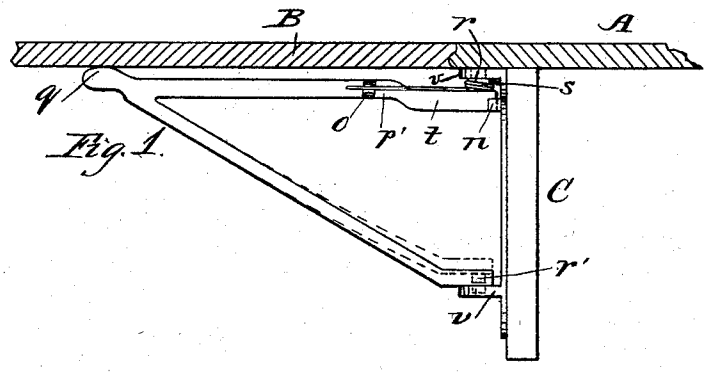


Fig. 1.

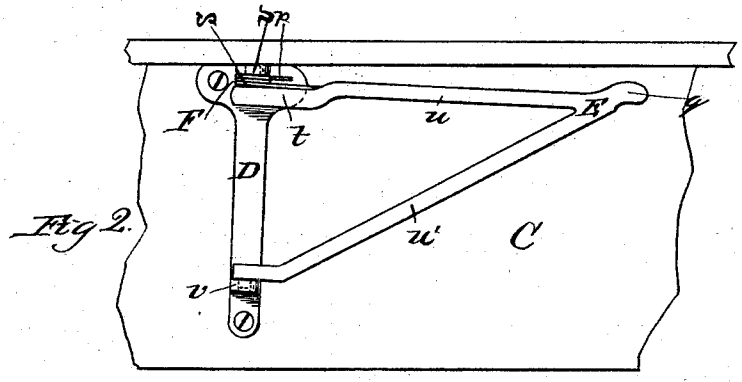


Fig 2.

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CONRAD H. ROHDE, OF CHICAGO, ILLINOIS.

TABLE-LEAF SUPPORT.

SPECIFICATION forming part of Letters Patent No. 262,984, dated August 22, 1882.

Application filed July 6, 1881. (No model.)

To all whom it may concern:

Be it known that I, CONRAD H. ROHDE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Table-Leaf Supports; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, of which—

Figure 1 is a side elevation of my device as attached to a table, and Fig. 2 a front elevation of the same with the support turned to the position necessary for lowering the leaf.

My invention relates to an improvement in the classs of table-leaf supports in which a pivoted bracket tends, through the medium of a spring, to assume and maintain a position at right angles with the rail to which it is attached, said bracket being turned to a position parallel with the rail to permit the lowering of the leaf, and moving outward again automatically when the leaf is raised.

The object of my invention is to simplify, improve, and cheapen the construction of devices of the above class, and to adapt them especially for use with sewing-machine tables.

In the drawings, A represents the top, B the leaf, and C the rail, of a table.

D is a metal plate, adapted to be screwed to the rail, and having two lugs, *v*, each provided with a vertical hole.

E is the support, formed of cast metal, and comprising two branching arms, as shown.

The upper arm, *u*, is horizontal, or nearly so, but is lower toward its inner end than elsewhere, as shown at *t*, and has on said lower portion a projection, *s*, surmounted by a pintle, *r*, which enters the hole in the upper lug. The lower arm, *u'*, is oblique nearly to its inner end, where it likewise becomes horizontal, and it is there provided with a pintle, *r'*, to enter the lower lug. It will be observed that the pintle on the arm *u* projects upward, while that on the arm *u'* projects downward, whereby the parts are connected by being sprung together—that is to say, to attach the support E to the plate D or to remove it therefrom, the arms are pressed toward each other to the position, for example, indicated by the dotted lines in Fig. 1, where the pintle is shown as pressed upward out of the hole in the lug. Upon being released the arms, by their elastic force, resume their original positions. In order to have the parts fit firmly together, the spread of the arms at their inner ends should be a little greater than the distance between the lugs. It will be seen that the arm *u* is slighly lower than the top of the plate D, the raised portion *q*, at the outer end of the bracket, being on a level with said top when said raised part *q* is at its highest point.

F is a spring coiled around the projection *s* of the upper arm, and having its inner end, *p*, lying against the plate D and its outer end, *p'*, lying in a notched stud, *o*, on the side of the arm *u*. A stop, *n*, on the plate D serves to stop the support when it reaches a position at right angles to the rail. The top of the plate D, instead of being level on its upper end, is made slightly sloping, whereby when it is set up snug against the table-top the plate, instead of being upright, stands in a slightly oblique position upon the rail, as represented in Fig. 2. The effect of this is to throw the outer end of the support downward when it is turned back against the rail, as is shown in that figure, thus preventing friction with the leaf when the latter is being raised, and thereby rendering the action smooth and easy.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a table-leaf support, the plate D, adapted to be secured to the table-rail, and provided with the lugs *v*, having vertical holes through them, and with the stop *n*, in combination with the spring-arms *u* and *u'*, the upper arm, *u*, having on its side a notched projection, *o*, and being depressed toward its inner end, and there provided with a projection, *s*, terminating in a pintle, *r*, to enter the upper lug, *v*, and the lower arm, *u'*, having on its inner end a pintle, *r'*, to enter the lower lug, *v*, and the spring F, coiled around the projection *s*, and having one end lying against the plate D and the other in the notch of the projection *o*, substantially as described.

2. In a table-leaf support, the plate D, bev-

eled, as described, on its upper end, and adapted to be secured to the table-rail, and provided with lugs *v*, having vertical holes through them, and with the stop *n*, in combination with the bracket E, formed with the spring-arms *u* and *u'*, having pintles *r* and *r'* to enter the lugs *v*, and also with the raised portion *q* at its outer end, and in combination, also, with the spring F, substantially as described, and for the purpose set forth.

CONRAD H. ROHDE.

In presence of—
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