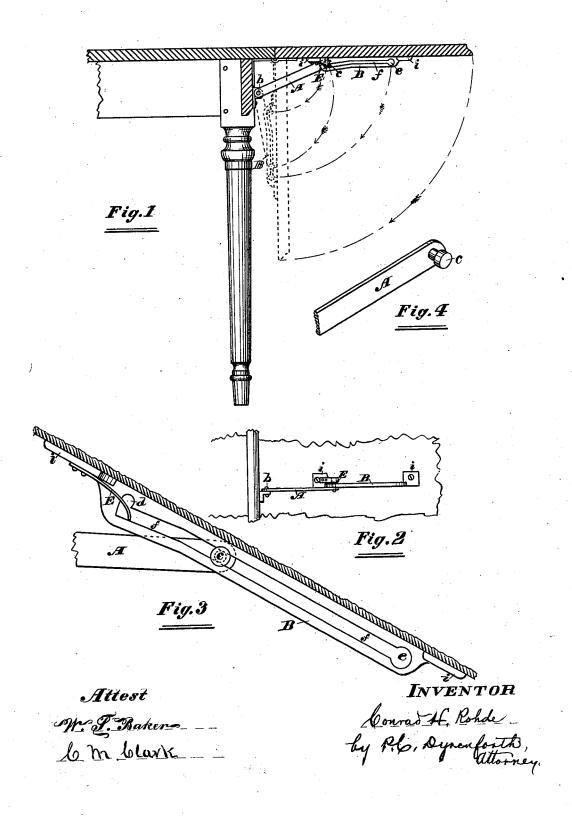
C. H. ROHDE.

TABLE-LEAF SUPPORT.

No. 188,414.

Patented March 13, 1877.



by ancions to ever the stal upwerd into the

Alfred des écografy (. Millo 2019 de la compania de la contra del la contra del la contra del la contra del la contra de la contra de la contra del la contra de la contra del la cont En granden CONRADAROHDE, O FROHICAGO, ILEINOTS o captor to scapered to entropy and eller I and the grandens amortized to tangon activities of scaperative part is been taken as and i occidentes of the

BULLOS SE CLEMPROVEMENT IN TABLE-LEAF SUPPORTS. elevistraquios à

s cosamoti 🐬

· ERPNO BELLEVERSTRIE. by Lotters Patent is --Specification forming part of Letters Patent No. 188,414, dated March 13, 1877; application filed February 13, 1877.

To all whom it may concern:

Be it known that I, CONRAD H. ROHDE, of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Table-Leaf Supports; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of

wetch, emberemeladly be described, and for the

this specification.

The object of my invention is to produce a device for supporting the leaves of tables or of sewing-machines, or to be applied to anything else of a character analogous to these, which device shall, by means of the simplest mechanism possible, act automatically in locking and firmly bracing the leaf upon the latter's being raised to a horizontal position; and the said invention consists in the novel arrangement, hereinafter described, of a brace, a slotted and notched guide, and a spring, the first-named journaled or hinged at one end to the table rail, or whatever may take the place thereof, in such manner that its opposite end may slide freely in the guide, which is secured to the leaf, and be shot upward into the locking notch by the action of the spring at the proper moment—that is to say, just as the leaf attains a horizontal position.

I am aware that various forms of mechanism embodying a brace, a guide, and a spring, and serving, more or less effectively, the purpose above named, have already been patented; but my device differs essentially from them all in its arrangement and mode of operation, as will be seen from the following

description.

In the accompanying drawings, Figure 1 is a side elevation of my device attached to a table. Fig. 2 is an inverted plan view of the same. Figs. 3 and 4 are detail views.

The brace A is pivoted or hinged at b. A stud, c, projects laterally from its opposite end, and slides in the slot f of the guide B as the leaf is raised or lowered, reaching, just as the leaf attains a horizontal position, the notch d, into which it is forced by the spring The stud or pin c has a head upon its outer end, (see Fig. 4,) to prevent it from slipping out of the slot, which the neck closely fits. The circular recess e, at the outer extremity of the slot, is to permit the adjustment in position of the stud c. The head is passed through at that point before the guide is screwed to the leaf, and the guide is made of such length that, once in place, the stud will always fall short of the recess, as indicated by the dotted lines in Fig. 1. The guide B is provided with flauges i i, in order that it

White I claim as men, and docks to cause

may be firmly screwed in place.

It will be observed that the slot f has a slight downward incline at the inner end. This is in order that the upper bar of the guide may be made thicker at that end, so as to suffer no loss of strength in consequence of the notch. It does not in the least affect the action, while it does away with all necessity for recessing the upper end of the leaf to accommodate the thicker end of the guide. If preferred, however, the slot may be made straight throughout. The spring E is fastened at one end to the flange on the inner extremity of the guide, thence projecting in an inclined position downward and outward across the inner extremity of the slot, and passing close to the notch, as clearly shown in Fig. 3. It will be seen that, upon the leaf's attaining a horizontal position, the forcing of the stud upward into the notch, and its subsequent retention there until forcibly removed, are necessary consequences of this mode of construction.

It is obvious, however, that the particular form of the spring is not an all-important feature of the device; but that, if preferred, a helical spring, or any other form that will promptly perform the desired function-namey, drive the stud upward into the notch—may be substituted for the one I have described.

To lower the leaf the hand is passed underneath, and sufficient pressure exerted upon the upper end of the brace to overcome the resistance of the spring, when the leaf will descend by its own weight. It is best to press the leaf upward with the thumb while pressing the brace downward with the fingers, as, by this means, the stud is most readily brought out of the notch..

My device answers its purpose with the ut-

most nicety, and the end sought being attained without the aid of any complicated mechanism whatsoever; but, on the contrary, by means of only the simplest and fewest mechanical agents possible, there is no liability of its getting out of order under ordinary conditions. Moreover, on account of the extreme simplicity of its construction, it can be manufactured at a comparatively small cost.

What I claim as new, and desire to secure

by Letters Patent, is-

The combination of the pivoted brace A,

anouse grantes of the second statements of the control of the cont

entropies of the design on grant figure reduced in the second of the sec

e van den groen en de van de room en de en gesche de steel de stee

and common and an expensive of the first term of the common of the commo

देश वर्णात के हेर्नुष वेजकेषुत्राचे मूलार्थ सम्बन्धकराके राज्येष्ठकते मूचि

having the stud c, the slotted guide B, provided with the notch d, and the spring E, operating to press the stud upward into the notch, substantially as described, and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

andres - face - all an even disconsideration design Tree also introduction social malayers (graves) the e

देवान्त्रेक्, प्रार्टको परिवासका सम्पर्धा होत्र संघर अस्त का का west plantings are the common year and the

 วัลหลือไปเลละ อิจะ จะทำสาม เขากระสมับ 3 ผลสารอิสมั Marketter har train president him en her ken

is I wrenith and carb patenganeers of its an and control of the ender the control of the control

The following of the graph of the person of the second of

I like a course the last for what to said to see the deal of the

CONRAD H. ROHDE.

Witnesses:

The sales of the second for the second secon

A set of the control of the control

Ark Tein dur deute korre, one et sur erene en entrepisco en deute, elimente elemente el parte deute de la compare de la compare

BRUNO KRATZENSTEIN, FREDERICK B. SMITH.