

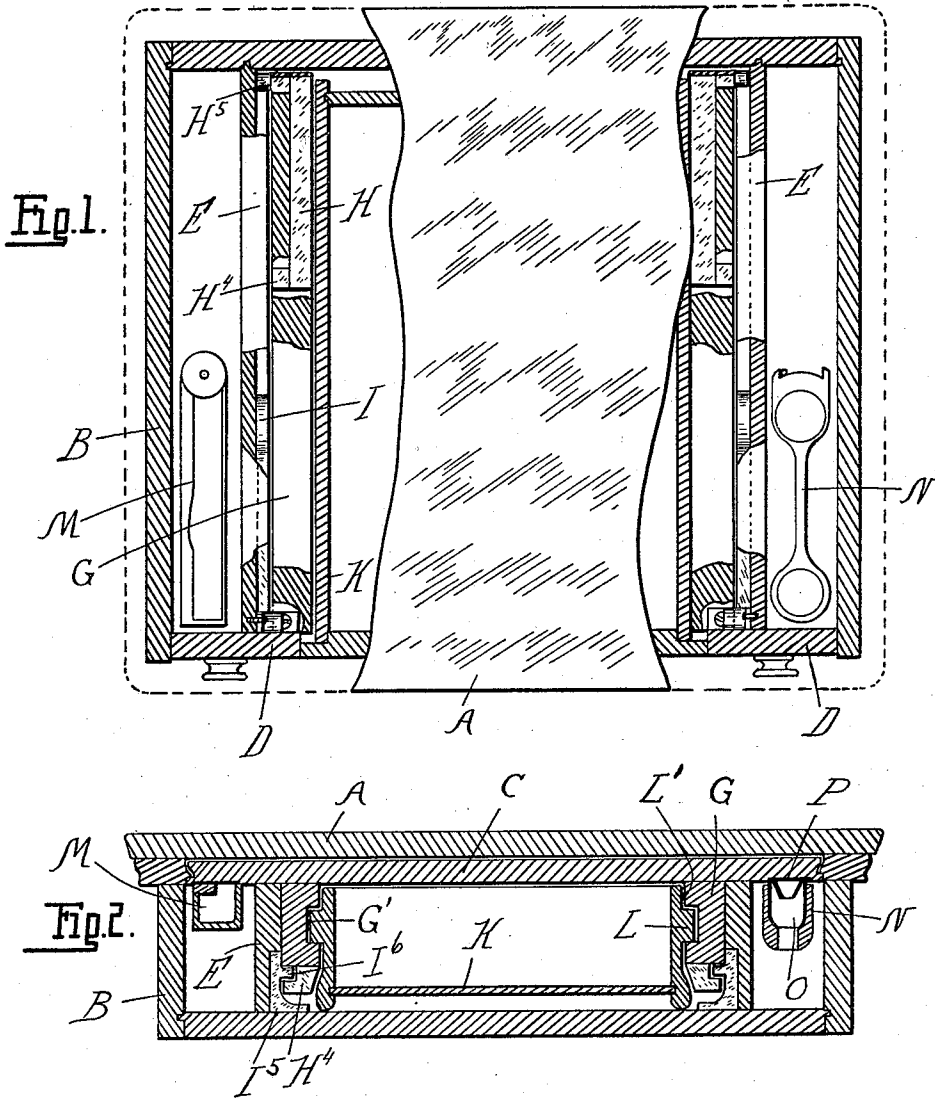
J. HERZOG.
DESK TABLE.

APPLICATION FILED SEPT. 25, 1909.

Patented July 9, 1912.

2 SHEETS-SHEET 1.

1,031,791.



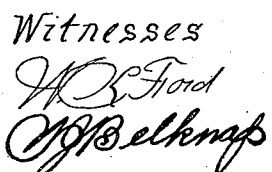
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DESK TABLE.

Patented July 9, 1912.

2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

JOHN HERZOG, OF SAGINAW, MICHIGAN.

DESK-TABLE.

1,031,791.

Specification of Letters Patent.

Patented July 9, 1912.

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To all whom it may concern:

Be it known that I, JOHN HERZOG, a citizen of the United States of America, residing at Saginaw, in the county of Saginaw and State of Michigan, have invented certain new and useful Improvements in Desk-Tables, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to desk tables, and consists in various features of construction as hereinafter set forth.

In the drawings—Figure 1 is a bottom plan view of the table, partly in section; Fig. 2 is a cross section thereof, showing the extension lid in stored position on the lefthand side and in extended position on the righthand side; Fig. 3 is a longitudinal section with the extension lid in stored position; Fig. 4 is a similar view with the lid in extended position; and Fig. 5 is a perspective view of the engaging slides.

It is one of the objects of the present invention to obtain a construction of extension section which is adapted to be raised to the level of the top of the stationary section.

Furthermore, it is an object to obtain a simple and easily operated means for elevating the extension and for locking the same in position during use.

These objects are accomplished by the following construction:

A is the stationary table top preferably provided with depending side rails B upon three of its sides.

C is the extension top section, which carries the complementary depending front rail section D.

E are stationary slides arranged beneath the table top parallel to the side rails thereof, and connected at their forward ends to the cross bar F.

G are the movable slides secured to the under side of the extension top C, and arranged parallel and adjacent to the stationary slides E.

The engagement between the slides G and E is formed by cooperating members H and I respectively secured to said members. The member H is preferably in the form of a metallic angle, having a portion H' extending over the end of the slide G with a hook H² at its upper end. There is also a horizontal portion H³ extending beneath

the slide and terminating in a downwardly and outwardly projecting lug H⁴.

H⁵ is the pintle upon the end portion H', which projects outwardly and is adapted to engage a longitudinal slot J in the stationary slide E.

The member I is preferably mortised into the stationary slide E, having a longitudinally-extending portion I' fitting a portion of the groove J. At the inner end of this portion, is an enlargement I², having an inclined cam slot I³ and provided with an entering slot I⁴, which connects this cam slot with the groove J. The outer end of the member I is provided with a bracket portion I⁵, which forms a means of connection between the slide E and the cross bar F, and there is also an inwardly-projecting lug I⁶ for cooperating with the lug H⁴, as will be hereinafter described.

The slides G perform the further function of supports for a drawer K carried by the extension section, and to this end are provided with the guide grooves G', with which tongues L on the sides L' of the drawer engage.

The extension top C is provided on the under side thereof and outside of the slides G with a pen box or holder M, and an ink well holder N. These members are pivotally secured to the under face of said extension, and in the extended position thereof may be turned outward for access thereto, while in stored position these members lie between the slides E and the side rails B. The ink well holder N is recessed to receive an ink bottle O and the under side of the extension C is provided with a pad P, upon which the bottle seats in stored position to prevent spilling of the ink.

In use, when the parts are in the position shown in Fig. 3, the extension section is stored beneath the stationary top A, in which position the extension top C rests upon the upper edges of the slides E and the pintles H⁵ engage the inner end of the slot J. To extend the table, the extension section is drawn outward until the pintles H⁵ engage the slotted end portions of the members I and the lugs H⁴ are drawn beyond the cooperating lugs I⁶. In this position, the inner edge of the extension top C is beyond the outer edge of the stationary top A, and may be lifted upward into the same plane. When thus elevated, the lugs

H⁴ will be raised above the lugs I⁶, and by then moving the section slightly inward, said lugs will be engaged with each other. The weight of the projecting portion of the extension section will then tilt the same, so as to raise the pintles H⁵ into engagement with the cam slots I³, and during the further inward movement of the section the pintles will be forced upward until the slides G are level and support the top C in the plane of the top A.

The table may be contracted by merely drawing outward the extension section to disengage the lugs H⁴ and I⁶, permitting the extension section to drop and to be forced inward beneath the stationary top A.

What I claim as my invention is:

1. The combination with a stationary table section, of an extension top normally stored beneath the top of said stationary section, a grooved stationary slide on said stationary section, an extension slide having a pintle at its inner end engaging said groove, a bearing intermediate the ends of said extension slide, and a cooperating bearing on said stationary slide for engaging with the first-mentioned bearing upon the lifting of the extension top, said first mentioned bearing forming a fulcrum for raising the inner end of the slide, and a cam on said stationary slide for engaging said pintle on said extension slide and guiding the latter into its raised position.

2. The combination with a stationary table section, of an extension top stored beneath the top of said stationary section, a slide for supporting said extension top, a guide on said stationary section having a horizontal slot and an upwardly and inwardly inclined slot connected therewith, a pivot pin carried by the inner end of said extension slide adapted to alternatively engage said slots and permitting the lifting of the extension top, a lug on said extension slide intermediate its ends, a cooperating lug on said guide above the lug on said extension slide when the latter is in the plane of storing, said lugs being engageable in reverse position whereby the lug on the guide forms a fulcrum for lifting the inner end of the extension slide, said inclined slot cooperating with the pivot pin to automatically draw the extension slide inward upon the lifting of the inner end of the latter.

3. The combination with a stationary table section, of an extension section stored beneath the top of said stationary section, a slide for supporting said extension section having a pivotal engagement at its inner end permitting the lifting of the outer end, a bearing upon the stationary section for engaging said slide upon the lifting of the outer end forming a fulcrum for lifting the inner end whereby said extension top is raised into the plane of the stationary top,

a cam upon the stationary section, and a member upon the slide cooperating with the cam upon the lifting of the inner end of the slide to automatically draw the latter inward.

4. The combination with an extension top stored beneath the top of the stationary section, a slide for supporting said extension top, a guide on the stationary section having a horizontal slot, and an upwardly and rearwardly inclined slot in communication with the horizontal slot, a pivot pin carried by the slide adapted to engage said slots, a lug on the slide and a cooperating lug on the guide forming a fulcrum for lifting the inner end of the extension slide, said pivot pin cooperating with the inclined slot to automatically draw the extension slide inward upon the lifting of the inner end of the latter.

5. The combination with a stationary table section, of an extension top stored beneath the top of said stationary section, a guide on the table section, and a slide carried by the extension top, a member secured to the slide having a lug and a pintle extending laterally therefrom and spaced from each other, said guide being provided with a horizontal slot with which the pintle has a sliding engagement, and a member secured to said guide having a lug arranged above the first mentioned lug in the stored position of the extension top and positioned below and engaging the first mentioned lug when the top is extended, whereby the lug on the guide forms a fulcrum for lifting the inner end of the slide to position the extension top in the plane of the stationary top, and said last mentioned member having communicating upwardly inclined and horizontal slots, the horizontal slot registering with the slot in the guide, and the inclined slot permitting the raising of the inner end of the slide.

6. The combination with a stationary table section, of an extension top stored beneath the top of said stationary section, a slide for supporting said extension section having a pivotal engagement at its inner end permitting the lifting of the outer end, a bearing for engaging said slide upon the lifting of the outer end forming a fulcrum for lifting the inner end whereby said extension top is raised into the plane of the top of the stationary section, and a cam adapted to engage the pivot pin and shaped to automatically draw the slide inward upon the lifting of the inner end of the slide.

7. The combination with a stationary table section, of an extension top stored beneath the top of the stationary section, a slide for supporting said extension top, a guide on said stationary section for the slide, complementary members secured respectively to the guide and slide, one of

said members being provided with a lug and a pintle extending laterally therefrom and spaced from each other, and the other of said members having a lug adapted to be engaged by the first mentioned lug in the extended position of the extension top and forming a fulcrum for lifting the inner end of the slide to position the extension top in the plane of the stationary top, and said last mentioned member having horizontal and inclined slots which are adapted to be alternately engaged by said pintle.

8. The combination with a stationary table section, of an extension section stored beneath the top of said stationary section, a slide upon said extension section for supporting the same having an engagement with the stationary section permitting the lifting of the outer end of the extension section, a bearing upon the stationary section for engaging said slide upon the lifting of the outer end of the extension section forming a fulcrum for lifting the inner end of the slide whereby the top of the extension is raised into the plane of the stationary top, means upon the stationary section, and means carried by the extension section cooperating with said first mentioned means to automatically draw the extension section

inward upon the lifting of the inner end of the slide.

9. The combination with a stationary table section, of an extension section stored beneath the top of said stationary section, a slide upon said extension section for supporting the same having an engagement with the stationary section permitting the lifting of the outer end of the extension section, a bearing upon the extension section, a bearing upon the stationary section for engaging the first mentioned bearing upon the lifting of the outer end of the extension section and forming a fulcrum for lifting the inner end of the slide whereby the top of the extension section is raised into the plane of the stationary top, a cam upon one of said sections, and means upon the other section cooperating with the cam to automatically draw the extension section inward upon the lifting of the inner end of the slide.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN HERZOG.

Witnesses:

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RUTH BENJAMIN.