J. INGELLS.

EXTENSION TABLE.

APPLICATION FILED FEB. 16, 1914.

1,122,205.

Patented Dec. 22, 1914.

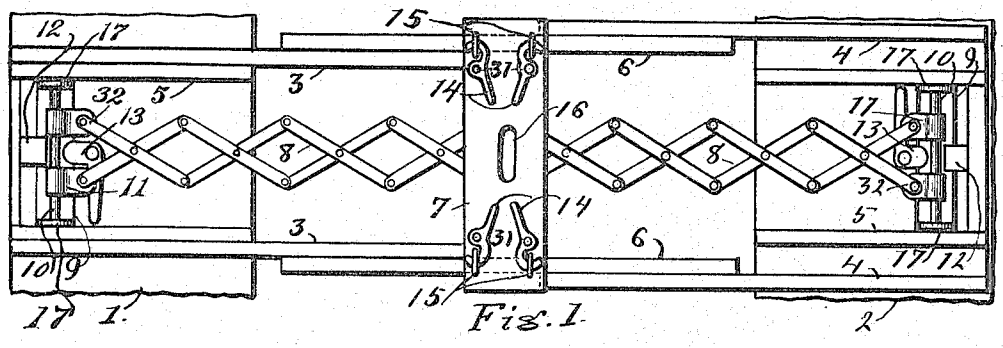


Fig. 1.

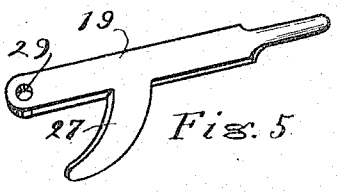


Fig. 5.

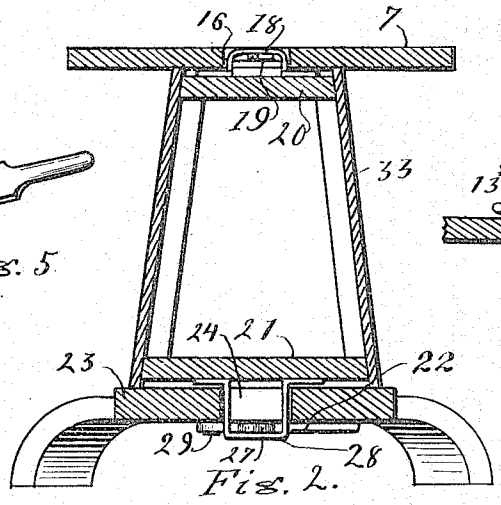


Fig. 2.

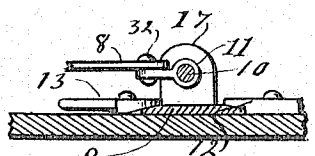


Fig. 4.

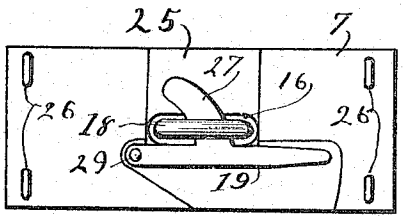


Fig. 3.

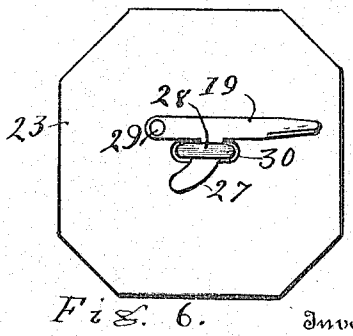


Fig. 6.

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UNITED STATES PATENT OFFICE.

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EXTENSION-TABLE.

1,122,205. Specification of Letters Patent. Patented Dec. 22, 1914.

Application filed February 16, 1914. Serial No. 819,110.

To all whom it may concern:

Be it known that I, JAMES INGELLS, a citizen of the United States, residing at Muskegon, in the county of Muskegon and State of Michigan, have invented certain new and useful Improvements in Extension-Tables, of which the following is a specification.

My invention relates to improvements in the extension table described and shown in my application No. 801,505 filed November 13, 1913, and its objects are: First, to provide a means whereby the extensions may be readily disconnected from the table tops and the tops removed without removing the supporting cross girt, or the center supporting slides. Second, to provide a means whereby the table top and the cross supporting girt may be readily removed from the pedestals, standard, and, third, to provide a means whereby the pedestal standard may be readily removed from the base, so that the entire table may be readily disconnected for shipment in the knock down, and as readily re-assembled for use or exhibition purposes. I attain these objects by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is a bottom plan of my table extended, and showing the several buttons and other appliances for disconnecting the parts shown. Fig. 2 is a sectional elevation of the pedestal standard, the base and the supporting girt at the top of the standard, showing how these several parts are secured together when assembling the table. Fig. 3 is a top plan of the supporting top girt disconnected from the pedestal standard and showing how it is to be secured to the pedestal standard. Fig. 4 shows the manner of securing the outer ends of the extension mechanism to the table top. Fig. 5 is a perspective of the button by means of which the several parts are secured, and Fig. 6 is a bottom plan of the base showing the manner of applying the button shown in Fig. 5.

Similar numerals of reference refer to similar parts throughout the several views shown.

The table top 1 is secured to the slides 3 3, and the table top 2, is secured to the slides 4 4, in the usual manner of securing the two halves of a table top to the movable slides in the extension mechanism. The slides 6 6 are detachably secured to the girt 7 by means of staples 15 which are firmly connected with the slides and are made to pass through the slots 26 in the girt 7 so that the buttons 14, which are pivotally secured to the girt as at 31, may be made to pass between the surface of the girt and the end of the loops or staples in such a manner that the slides will be drawn firmly against the surface of the girt, or the buttons may be swung out of engagement with the staples so the latter may be readily removed from the slots 26 and the slides disconnected from the girt 7. In order to disconnect the tops from the girt, even after the staples have been disconnected from the girt 7 it will be necessary to disconnect the extension mechanism 8 8 from the table tops, and for this purpose I have provided a bracket 9, having a supporting shaft 10, at each end of the table. The shafts 10 are supported in arms 17 that stand at right angles with the bracket base 9 and project outward far enough so the slides 11 may slide laterally upon the shafts, with perfect freedom, and the ends of the extension links that form extension mechanism 8, are pivotally secured to the slides 11. As the other ends of these extensions are secured to the girt 7, as shown and described in my former application hereinbefore referred to, it is evident that the top cannot yet be readily removed from the pedestal, hence I have placed permanent brackets 12 on the surface of the table tops 1 and 2, back of which the edges of the brackets 9 9 may be placed, and I have also pivotally secured buttons 13 to the surface of the table top in such positions and in such a manner that they may be thrown around to the positions indicated in Fig. 1, over the other edges of the brackets 9 so that said brackets are held firmly to the surface of the table tops, and to disconnect the brackets from the tops it is simply necessary to disconnect the buttons 13 from the brackets by turning them out of contact with the brackets, when the brackets 9 9 may be readily detached and the top removed without removing the extensions 8 8 from the pedestal. If it is desired to remove the ends, only, of the top without removing the slides 6 6 it is simply necessary to disconnect the brackets 9 9, as hereinbefore described, and the slides 3 3 and 4 4 may be drawn from engagement with the

slides 6 6 and the ends of the table removed separately.

I provide for disconnecting the entire table top, including the extension mechanism 8 8 and the supporting girt 7, by securing a staple or loop 18 to the girt 20, and passing it upward through the slot 16 in the girt 7 in position so the button or latch 19, which is pivotally secured to the surface of the girt 7, as indicated at 29, may be so operated that its tongue 27 may be forced between the end of the staple and the surface of the girt. This tongue is made wedge shaped, as indicated in Fig. 5, so it will enter between the girt and the staple easily but will draw firmly on the staple when thrown to the position indicated in Fig. 3, and will cause the girt 7 to be firmly clamped to the top of the pedestal, 33. It will be readily understood that when the button 19 is carried to position to draw the tongue 27 from contact between the staple 18 and the surface of the girt, the entire table top, including the girt and the extension mechanism may be lifted from the pedestal. I have also arranged to disconnect the standard 33 from the base 23 by securing a staple 28 to the girt 21, and passing it through the slot 24 in the base so it may be engaged by the button 19, exactly as the clamping of the girt 7 to the upper end of the pedestal is accomplished, as hereinbefore described. I prefer that the upper surface of the girt 7 be cut away, as indicated at 25, so the latch and staple will be wholly below the upper surface of the girt.

It will be readily understood that with this line of construction it is a simple matter to assemble, or to knock-down this table without the least danger of injury, and when in the knock-down the table may be shipped at a much lower rate than an assembled table can be shipped for, as it will occupy but about one sixth as much room as an assembled table will occupy, and, besides, anyone can easily assemble the table at its destination, thus saving the expense of hiring an expert to assemble, and enabling the manufacturer to place the tables at the door of the consumer at a much less cost than otherwise could be offered.

It will be readily understood that the pedestal connections of this table may be readily applied to any ordinary extension table so they may be assembled or knocked down as this table may be.

What I claim as new, and desire to secure by Letters Patent of the United States, is:

1. In combination with the top, the extension mechanism and the pedestal of an extension table, a base having a central mortise, a supporting girt having a central mortise, a staple in the lower end of the pedestal in position to pass through the mortise in the base, a staple in the upper end of the pedestal in position to pass through the mortise in the supporting girt, and a hook pivoted to the base to engage the lower staple, and a hook pivoted to the supporting girt to engage the upper staple to firmly secure the base and girt to the pedestal.

2. In combination with the top, extension mechanism, the slides and the pedestal of an extension table, a base having a central mortise, a supporting girt having a central mortise and a mortise near each corner, a staple at the upper end of the pedestal, a staple at the lower end of the pedestal in position to pass through the mortises in the girt and the base, staples on the slides in positions to pass through the mortises near the corners of the girt, and hooks pivotally secured to the base and to the supporting girt in positions to engage the several staples and secure the base and supporting girt to the pedestal, and the slides to the supporting girt.

3. In combination with the top, the slides, the pedestal and the cross link extension mechanism of an extension table, a staple extending downward from the lower end of the pedestal, a staple extending upward from the upper end of the pedestal, a base having a central mortise, a supporting girt having a central mortise and a mortise near each corner, the staple in the lower end of the pedestal passing through the mortise in the base, the staple in the upper end of the pedestal passing through the central mortise in the supporting girt, staples in the slides passing through the mortises near the corners of the supporting girt, means for engaging the staples on the pedestals for securing the base and girt to the pedestal, means for engaging the staples on the slides for securing the slides to the girt, shafts connected with the outer ends of the cross link extension mechanism, brackets on the table top in position to be engaged by said shafts, and buttons pivotally secured to the table top in position to engage the shafts and secure them to the table top.

4. In combination with the top, the pedestal, the base the slides and the cross link extension mechanism of an extension table, a supporting girt having a central mortise and a mortise near each corner, a staple in the upper end of the pedestal in position to pass through the mortise in the center of the girt, staples on the slides in position to pass through the mortises near the corners of the girt, and means for securing said staples to the girt to secure the girt to the pedestal and the slides to the girt.

5. In combination with the pedestal, base, top, slides, and extension mechanism of an extension table, a supporting girt having a central mortise, a staple in the upper end of the pedestal in position to pass through the mortise in the girt, means connected with

said girt and staple for securing the girt to the pedestal, and means for securing the slides to the girt and the table top, and means for securing the extension mechanism to the table top and to the girt so that the girt and the table top and connections may be readily removed from the pedestal.

Signed at Muskegon Michigan February 1914.

JAMES INGELLS.

In presence of—
OSCAR BERG,
GENEVIEVE BERG

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."