

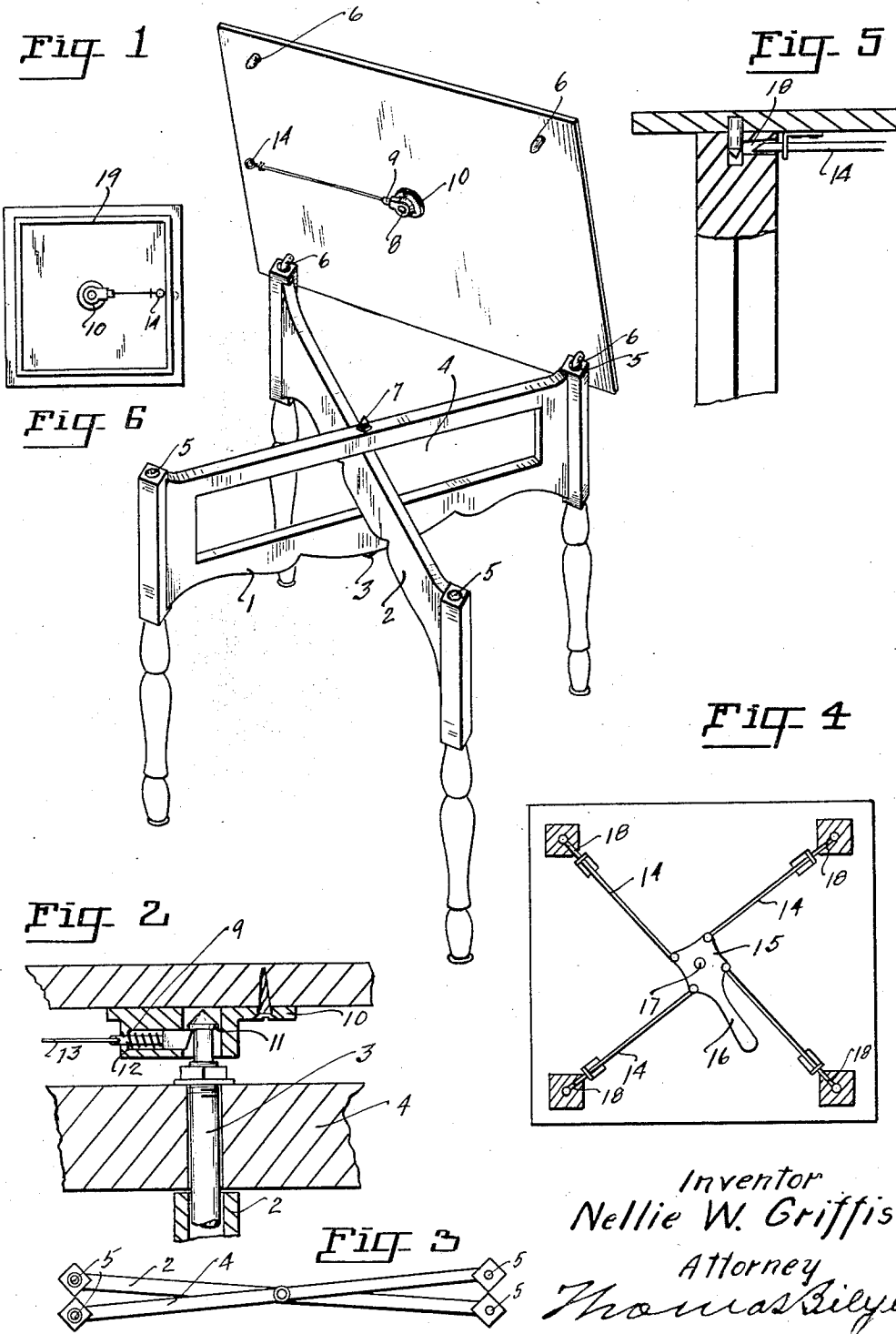
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TABLE

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# UNITED STATES PATENT OFFICE

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## TABLE

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My invention relates to folding tables and particularly these wherein the top is removably secured to the leg and rail structures.

The primary purpose and object of my device is a table and top structure that may be easily and quickly removed and wherein the top may be removed for storage and shipment.

A further object of my invention resides in the leg and rail structure that may be folded to occupy a minimum of space and having a top structure that may be secured to the leg and rail portion and be used to hold the same in distended position for use. The top of which may be quickly unlocked and removed from the body portion.

It is highly desirable in tables of high quality to have one or more tops adapted to placement upon the same body portion of the table so that two or more tops may be adapted for placement upon the same supporting members and each of the tops being removable from the body portion for storage when the table is not required for use or display.

A further object of my device resides in a compact structure that may be shipped in a relatively small package and which may be assembled, by the merchant selling the same, for display, or may be delivered direct to the user or the purchaser of the same and be assembled by him at the point of use.

Where table tops are to be used for ornamentation, and where the same are of different colors, the same leg and frame structure may be used to support table tops of different designs and of different color schemes and of different shapes. A complete table being sold in the initial sale, and other top designs be purchased from time to time to fit different color schemes and different period designs. All tops being adapted to the one leg and frame support which is made standard for all and each top.

With these and incidental objects in view, the invention consists of certain novel features of construction and combination of parts, the essential elements of which are set forth in the appended claims, and a preferred form of embodiment of which is hereinafter shown with reference to the drawings which

accompany and form a part of this specification.

In the drawings:

Fig. 1 is a perspective, side view of the body portion of the table shown distended and ready for receiving the table top thereupon.

Fig. 2 is a fragmentary, longitudinal, sectional, side elevation of the central portion of the table frame and of the locking mechanism secured to the top of the table.

Fig. 3 is a top, plan view, of the frame of the table shown folded for shipment or for storage.

Fig. 4 is an inverted, plan view of the table top and illustrating a locking mechanism associated with the top and adapted for locking the top, to the body portion of the table.

Fig. 5 is a fragmentary, sectional, side elevation of the locking mechanism, shown engaged with one corner of the table frame.

Fig. 6 is an inverted, plan view of the table top shown removed from the body member.

Like reference characters refer to like parts throughout the several views.

The table, in preferred embodiment, consists of two pairs of table frame members 1 and 2, each having two legs associated therewith. Each of the frame members being hingedly secured together about a vertical central axis 3. One of the frame members is cut out at 4, to permit the passing of the other frame therethrough before being hingedly secured together. Each of the frames have openings 5, disposed in the top thereof into which suitable dowel pins 6, associate with the underside of the top structure, may be made to engage. In Fig. 1 the dowels 6 are shown ready for entrance into the opening 5, disposed within the frame structure. A central locking bolt 7, is disposed within the top of the central portion of the body, the same being conical in form and adapted to engage within the receiving hole 8 of the locking member. A bolt 9, is associated with the central locking head 10, which is adapted for engagement under the projecting ledge 11, of the central locking pin 7. A compressible element 12, is disposed about the bolt 9 and the bolt is adapted to being actuated

through the actuating lever 13. A suitable hand engaging loop 14 is disposed in the outer end of the actuating member 13. The locking members associated with the under side of the table may be composed of a plurality of locking bolts, as illustrated at 4, and each of which have locking links 14, extending therefrom to a central unit head 15. The head 15 having a handle 16, adapted for rotation about a central axis 17. The rotation of the locking head 15, about the central axis actuates the locking bolts into and out of engagement within the receiving opening 18, disposed in registerable alignment with each of the locking bolts. The rotation of the handle 16 in one direction, locks each of the bolts relative to the body member, and the rotation of the handle in the oppositely disposed direction unlocks the bolts relative to the receiving notches illustrated in Fig. 5. The table top may have a ledge 19 disposed upon the under side thereof which would spot the table frame relative to the top to facilitate the rapid engagement of the top relative to that of the body portion of the table.

While the form of mechanism herein shown and described is admirably adapted to fulfill the objects primarily stated, it is to be understood that it is not intended to confine the invention to the one form of embodiment herein shown and described, as it is susceptible of embodiment in various forms all coming within the scope of the claims which follow.

What I claim is:

1. In a device of the class described, the combination of table frames, one of said frames being cut out to permit the passage of the other of the frames therethrough, means for hingedly securing the frames together, legs for each frame member, receiving holes disposed in the upper surface of each frame member, a removable top, dowel pins outwardly extending from the under side of the top, said dowel pins being adapted for engagement within the receiving holes when the frame members are distended, a pin centrally disposed upon the frame, a locking head disposed the under side of the top and in registerable alignment with the pin of the frame, links carrying locking bolts connected with the locking head, means disposed on said links for disengagedly engaging the top from the frame, and means for manually unlocking the locking bolt from the central locking head.

2. In a device of the class described, the combination of pairs of table frames hingedly secured together about a central journal pin, a table top adapted to engagement with the frame elements when the frame elements are distended, a central unit head carried by the top, links carrying locking bolts outwardly extending from the central unit head, a journal support for the central unit head, receiv-

ing openings disposed within the frame for receiving the locking bolts and means for making and breaking engagement with the receiving openings and the locking bolts by the rotation or counter-rotation of the central unit head.

3. In a device of the class described, the combination of pairs of table frames hingedly secured together about a central vertical axis, a table top adapted to engagement with the table frames and to maintain the frames in distended position when in locked engagement with the top and means for locking and unlocking the top relative to the frame elements consisting of a central unit head having a plurality of links outwardly extending therefrom and carrying locking bolts adapted to engage receiving holes disposed within the frame, when the unit head is rotated in one direction and for unlocking the same when rotated in the opposite direction.

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