(No Model.)

N. O'BRIEN.

FOLDING TABLE.

No. 564,711. Patented July 28, 1896.

Fig. 1

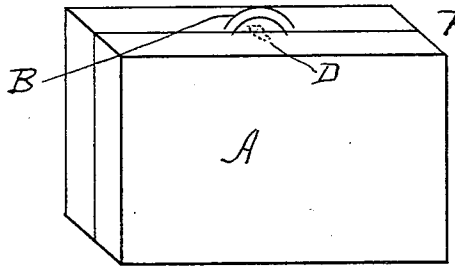


Fig 2

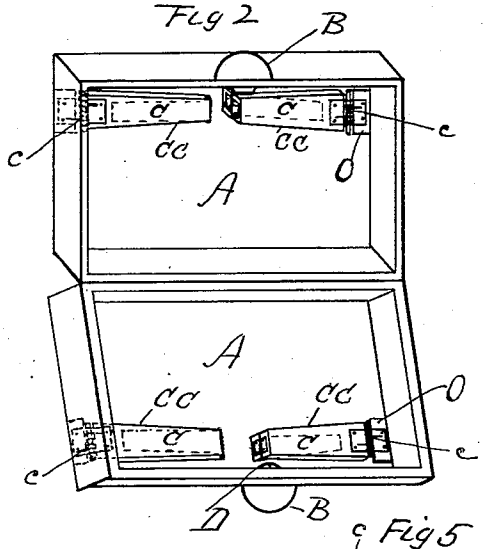


Fig 4

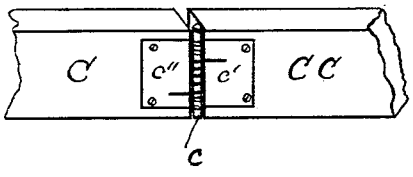


Fig 5

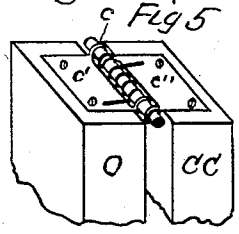
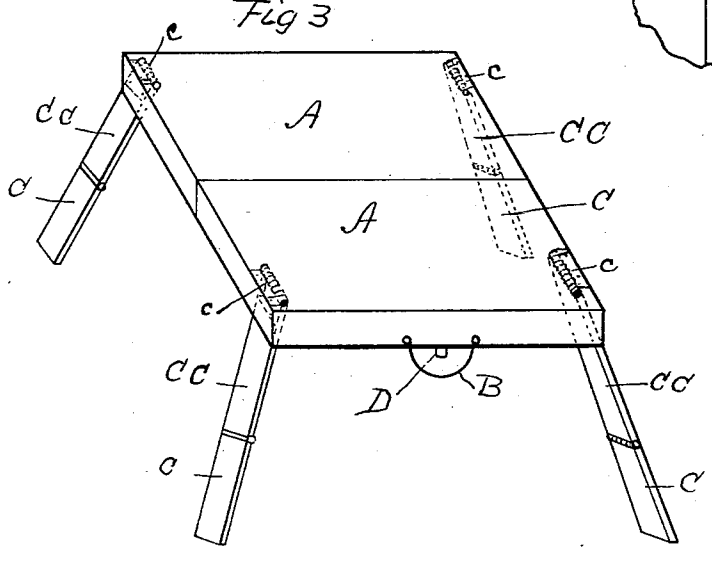


Fig 3



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UNITED STATES PATENT OFFICE.

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FOLDING TABLE.

SPECIFICATION forming part of Letters Patent No. 564,711, dated July 28, 1896.

Application filed October 18, 1893. Serial No. 488,540. (No model.)

To all whom it may concern:

Be it known that I, NEIL O'BRIEN, a citizen of the United States, residing at Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Combination-Tables; and I do hereby declare that the following specification is a full, clear, and exact description of the invention, 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, forming part thereof.

My invention relates to improvements in folding or transformation tables for theatrical or other purposes; and the object of my improvements is to provide a table so arranged in its parts that it can be quickly folded up into the form and shape of a hand-grip and as quickly unfolded or transformed into a table and used as such in theatrical plays. I attain this object by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my table folded up in the form of a satchel or hand-grip. Fig. 2 is a perspective view of my table partly unfolded. Fig. 3 is a perspective view of my table fully unfolded in the form of a table and ready for use. Fig. 4 represents a perspective view of a portion of the leg-sections C and C C, showing the spring-hinge. Fig. 5 represents a perspective view of the upper end of the leg-section C C, attached to the table-top A by a spring-hinge *c* and the block O.

In Fig. 1 the letter A represents the box or imitation hand-grip, which may be made of any suitable material. The handle B is used to carry it by, and it shuts with the spring-catch D.

In Fig. 2 the catch D is shown, while C C C C show the folding legs held in a folded position by the spring-hinges *c c c c*. The legs are of wood or metal and in two parts, one part hinged to the inside corner of the box or grip and the other hinged to the first part, this second part or section being smaller and lighter than the first section, so that when released it will fold first, the heavier section folding last.

In Figs. 4 and 5 the spring-hinge is shown composed of the hinged wings C′ C″, held open by the spiral spring C.

In use the grip is opened and the four legs C C C C unfolded and placed on the floor at such an angle that the top or upper section rests against the side or rim of the box and so that the weight of the top prevents the legs from springing shut, as in Fig. 3. When the table is lifted, the legs, under the impulse of the spring-hinges *c c c c*, instantly fold up into the box, and the box is held closed by the spring-catch D.

What I claim as my invention is—

In a combination-table, legs made in two sections unequal in size and weight, joined together, and to the under surface of the table by spring-hinges on their inner sides, causing the legs to fold themselves automatically and quickly against the under surface of the table when relieved from pressure against the floor; in combination with a folding table having a sufficient recess to accommodate the folded legs when closed; as described and for the purpose specified.

NEIL O'BRIEN.

Witnesses:
O. E. BRIGGS,
W. K. CESSNA.