June 22, 1954 N. C. SPERRY 2,681,841

TABLE LEG PIVOT LATCH BRACKET STRUCTURE

Filed Dec. 7, 1950

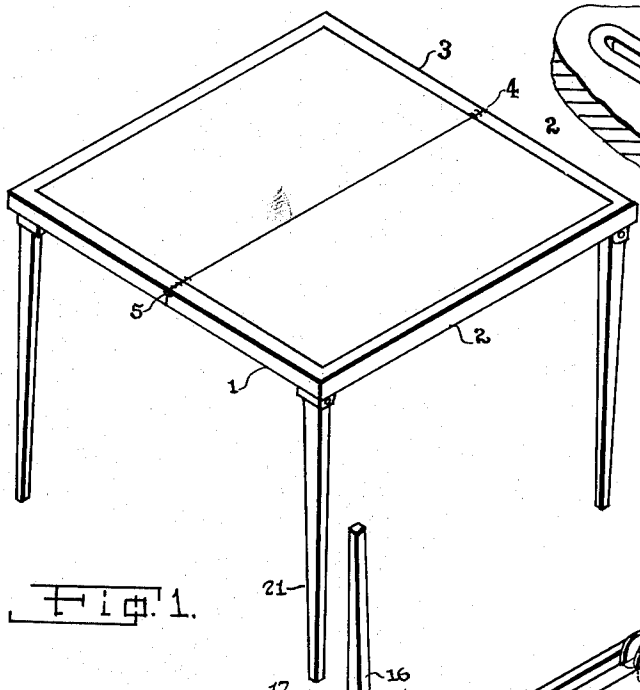


Fig. 1.

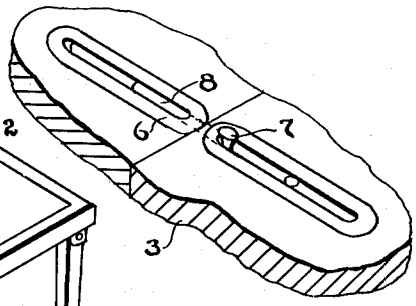


Fig. 4.

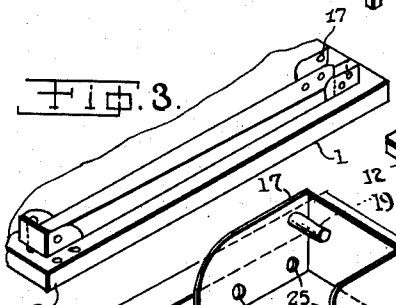


Fig. 3.

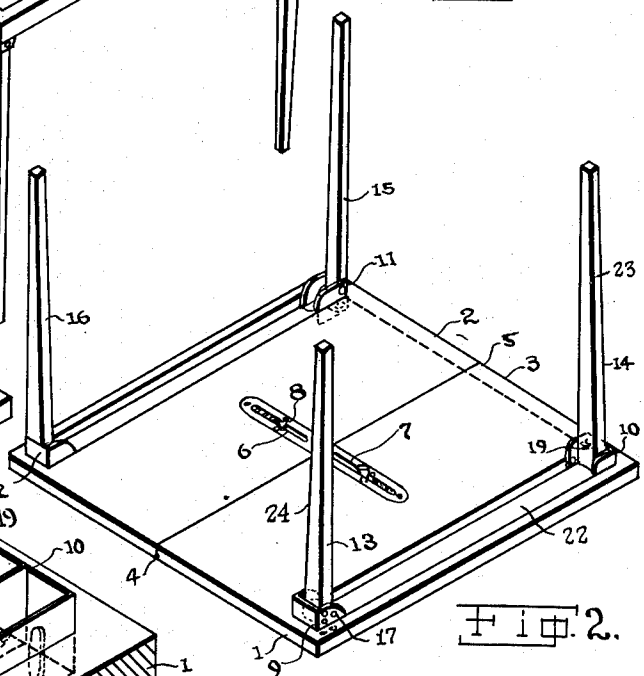


Fig. 2.

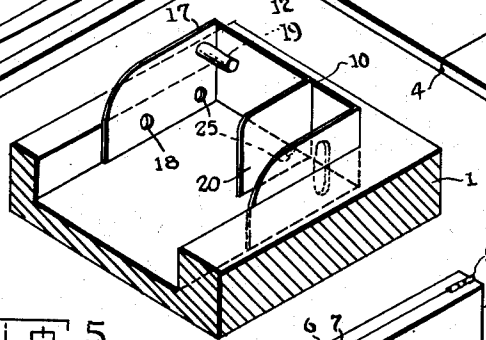


Fig. 5.

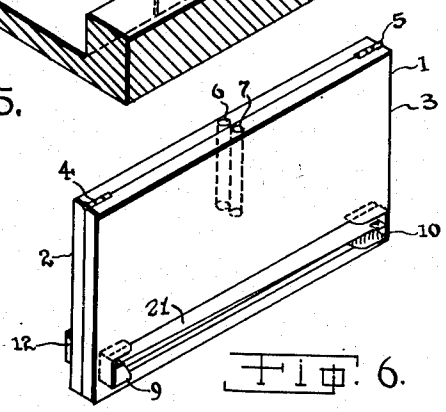


Fig. 6.

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TABLE LEG PIVOT LATCH BRACKET STRUCTURE

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Application December 7, 1950, Serial No. 199,605

1 Claim. (Cl. 311—90)

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My invention relates to collapsible tables, and more especially to card tables, an object being to provide a table construction wherein the means for its support when assembled and set up will hold it sturdy, neat and stable; while when in a collapsed condition it will be very neat and compactly fitted together to occupy a relatively small place, suitable for a small apartment room or tourists' service or as a toy table when used by children.

A particular object of my invention is to provide a collapsible table that is handy, economical, compact and easy to understand in its construction, both in its folded and unfolded positions, and a table that will keep its legs firmly closed or firmly opened when so adjusted.

I achieve the purposes of my invention by the device described in this specification, defined in the claim and shown in the drawings.

In the drawings:

Fig. 1 is a perspective of my new collapsible card table.

Fig. 2 is a perspective of an upside down view of my new table.

Fig. 3 is a detail of the relative leg fitting folded arrangement like each of the two table sections.

Fig. 4 is a detail of the table top stabilizing unit shown in perspective and a part cut away.

Fig. 5 is a detail of the table leg stabilizing means for the table when set up.

Fig. 6 is a perspective of the folded table.

I shall now describe the salient features of my new table as I set forth, in a comprehensive manner, the essential details of its design and construction, where in a table 1 has a pair of top sections 2 and 3 operatively held together by a pair of hinge members 4 and 5.

A pair of reinforced members 6 and 7, with a stabilizing pin 8 adapted to hold the top sections 2 and 3 firmly and level when the table is set up for use.

Note that I am providing a leg brace 9, 10, 11 and 12, for each of legs 13, 14, 15 and 16, respectively, each of which braces have stop member sockets 17 and 18 to receive a spring pin 19 set into each leg for holding the leg firmly either in open or folded position and is provided also with a resilient clamp 20 for holding the free end 21 of an opposed folded leg.

Note further, in this table 1 construction, that legs 13 and 14 fold up against the bottom 22 of

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table 1 in a manner bringing the flanking tapered edges 23 and 24 of legs 13 and 14 together where they coincide, forming a more compact leg arrangement when the legs are folded.

Note in Figure 5 that sockets 17 and 18, respectively, cooperate with pin 19 adapted to be secured resiliently into one of the corner legs 13, 14, 15 or 16, so that when the leg is upright pin 19 seats into socket 17, and when the leg is folded down the same pin arcuately slides down to seat into socket 18 of the leg brace 9, 10, 11 or 12. This pin 19 is shown removed from the leg to give it a clear illustration. Resilient clamp 20 is adapted to snugly and resiliently press against the free end of a folded leg, while anchoring holes 25 in the leg braces are adapted to hingedly hold the folding leg in place.

I have thus described my invention and now I claim it:

A folding table comprising a channel defined in the under surface of opposed sides of said table top, each corner of said table top provided with a leg support and brace member shaped to define an E bracket seated respectively in the end of said channel structure, a hinged leg, the larger space in the bracket which is provided with hinge pin sockets for the anchoring support of one leg and provided in the outer wall of said brace with a latching socket for engaging the leg in extended position and a similar socket for engaging the leg in a folded position, said leg provided with a resilient latch pin for automatically snapping into said sockets when the leg is moved to bring the pin in registry therewith, the smaller space in said E type leg brace defined by a central partition plate adapted to resiliently and slidably engage the free end of a folding adjacent coinciding tapered leg when folded into said channel.

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