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G. A. NOETZEL

1,872,491

CARD TABLE TRAY

Filed May 8, 1930

Fig. 1.

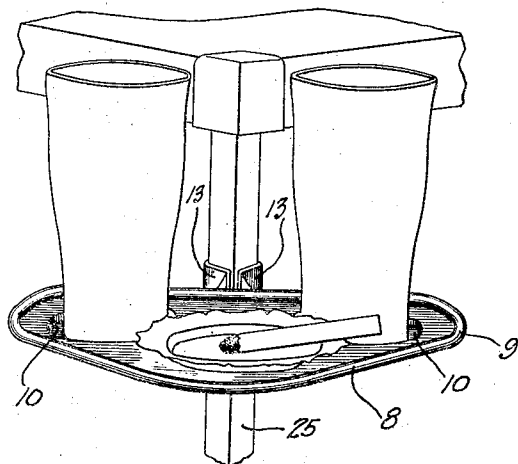


Fig. 4.

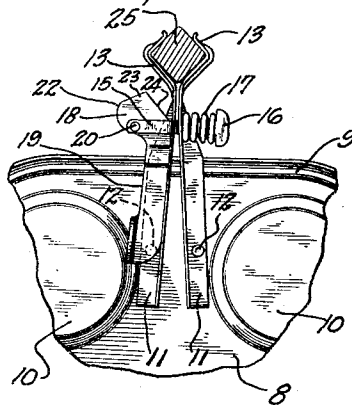


Fig. 2.

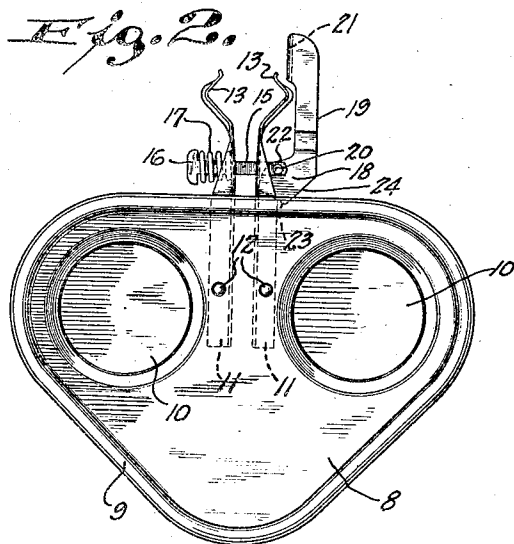


Fig. 3.

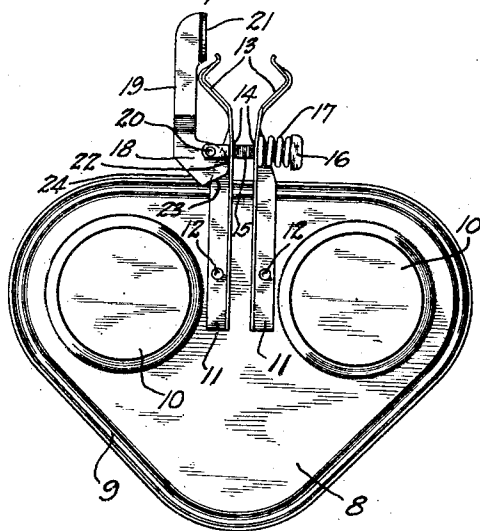
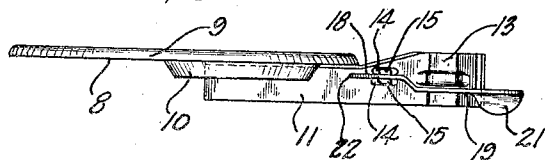


Fig. 5.



INVENTOR.

Gustav A. Noetzel,

BY

Morsell, Keeney & Morsell
ATTORNEYS

UNITED STATES PATENT OFFICE

GUSTAV A. NOETZEL, OF WAUKESHA, WISCONSIN, ASSIGNOR TO ESSENTIAL PRODUCTS CO., OF MILWAUKEE, WISCONSIN, A COPARTNERSHIP CONSISTING OF GEORGE N. GLENNON AND ROGER C. LOEW

CARD TABLE TRAY

Application filed May 8, 1930. Serial No. 450,754.

This invention relates to improvements in card table trays, and more particularly to a tray or receptacle arranged for quick detachable mounting on a corner leg of a small four-legged table such as the ordinary card table.

It is one of the objects of the present invention to provide a tray or receptacle having very simple, novel and effective clamping means for attaching the tray in a horizontal plane to a table leg or other vertical support.

A further object of the invention is to provide a tray of the class described having clamping or attaching means which will permit ready attachment of the tray to card table legs of various sizes and proportions within certain limits.

A further object of the invention is to provide card table trays designed to be used in pairs with a set-up card table, the two trays being quickly attached to upper portions of diagonally opposed legs of the table and being adapted to accommodate ash trays, glasses and other accessories whereby the entire table top is left free and unobstructed for card playing.

A further object of the invention is to provide a card table tray of the class described which is of very simple construction, is neat and attractive in appearance, is relatively inexpensive to manufacture, is strong and durable, and is well adapted for the purposes described.

With the above and other objects in view the invention consists of the improved card table tray, and its parts and combinations as set forth in the claim, and all equivalents thereof.

In the accompanying drawing in which the same reference characters indicate the same parts in all of the views:

Fig. 1 is a perspective view of the improved card table tray shown attached to a leg of a card table;

Fig. 2 is a plan view of the tray with the clamping members in open or released position;

Fig. 3 is an inverted plan view of the tray with the clamping members in open or released position;

Fig. 4 is a fragmentary inverted plan view

of the tray with the clamping members in closed or clamped position in engagement with a vertical support, the latter being shown in section; and

Fig. 5 is a side edge view of the tray with the clamping members in released position.

Referring now more particularly to the drawing it will appear that the numeral 8 designates a tray member formed of any suitable material and preferably of substantially triangular shape. Said tray member is formed with a slightly raised roller edge or periphery 9 and a pair of opposed depressed circular portions 10 forming wells for receiving and holding glasses and the like.

Pivottally attached to the under-surface of the tray, between the wells or depressed portions 10 by means of pivot studs 12 are a pair of slightly spaced-apart pivot arms 11, L-shaped or right angular in cross-section. The arms project rearwardly from and beyond the rear edge of the tray as shown and the outer ends of said arms are enlarged and are formed as complementary, angularly shaped clamping jaws 13. The outer end portions of said arms are formed with pairs of horizontally alined elongated recesses 14 and the shank portions of a pair of flattened strap members 15 are extended slidably through the pairs of openings 14, one of said members 15 being directly over the other member 15. One pair of ends of the members 15 are formed with heads 16 and a coiled spring 17 is confined on the shank portions of both members 15 between the heads 16 thereof and an outer face of one of the pivot arms 11.

The enlarged inner end portion 18 of a flat operating lever 19 is pivottally connected between the other ends of the members 15 as at 20. The major portion of the operating lever 19 is downwardly offset from the portion pivottally embraced between the members 15 and its outer end portion is formed with a manipulating flange 21. The enlarged head portion 18 of the operating lever 19 is offset inwardly toward the adjacent arm 11 and is formed with a curved cam edge 22, an angularly extending straight edge 23 thereadjacent and another straight edge

24 extended at an angle from the edge 23. The edges 23 and 24 meet at an apex, while the other end portion of the edge 23 merges into the curved cam edge 22.

5 In Figs. 2, 3 and 5 the positions of the parts when the clamping jaws are in open, released position is shown. In this position the clamping lever 19 is swung rearwardly so that its outer end extends in the same direction as the
10 angular clamping jaws 13. The pivot arms 11 may be pivotally diverged with respect to each other so as to spread the clamping jaws 13 and such spreading of the parts, if necessary, may be against the tension of the coiled spring 17. When the jaws are in this position
15 the device may be applied to a table leg 25 or other vertical support by causing the jaws 13 to embrace opposite sides of the leg or support 25. Then, to securely clamp the device
20 on the leg or support the operating lever 19 is manipulated and this is swung in a clockwise direction in Fig. 2, first causing the edge 23 to engage against the outer surface of the arm 11, which will force said arm and its
25 clamping jaw toward the other arm and clamping jaw and into more secure engagement with the support 25. If the cross-sectional width or diameter of the leg or support 25 warrants it the clamping jaws 13 and arms
30 11 may be forced together still more by pushing the lever 19 further in the same direction to cause the apex of the edges 23 and 24 to turn against the surface of the arm 11 until the edge 24 is brought flatly into contact with
35 the member 11. The parts will remain in this adjusted position, but if an even tighter engagement or clamping is desired the lever 19 is pushed still further to its innermost position illustrated in Fig. 4 wherein the side
40 edge of the major portion of the clamping lever 19 engages against the flanged portion of the adjacent arm 11, whereby the clamping jaws are very tightly compressed with respect to the support 25 and clamped thereon. The
45 clamping lever 19 exerts pressure on one of the arms 11 while the coiled spring 17 exerts an expansive force on the other arm 11.

In the use of the improved card table tray it is contemplated that a pair of said trays
50 be used with a card table and said pair of trays are attached to diagonally opposed legs of the table in the manner aforescribed. Each tray will be mounted on a leg slightly below the table surface, as shown in Fig. 1
55 and will serve as a very convenient receptacle for ash trays, glasses and the like, leaving the entire surface of the table free and unobstructed for play.

60 From the foregoing description it will be seen that the improved card table tray is of very simple and novel construction, has effective clamping means susceptible of attachment to legs of various sizes and proportions, and is well adapted for the purposes set
65 forth.

What I claim as my invention is:

A card table tray, comprising a tray, a pair of spaced-apart arms pivotally connected at their inner end portions to said tray and projecting outwardly therefrom, the outer end portions of said arms being formed with complementary clamping jaws, outer portions of said arms being formed with alined openings, a headed bar extending through said openings transversely of the arms, a coiled spring confined on a portion of said bar between its head and an outer face of one arm, and an operating lever pivotally connected at its inner end portion to the other end portion of said bar, the inner end portion of said lever having an inwardly offset portion with angular surfaces for engagement with the other of said arms.

In testimony whereof I affix my signature.

GUSTAV A. NOETZEL.