

July 4, 1933.

K. B. JOHNSON

1,916,619

ASH TRAY AND SUPPORT THEREFOR

Filed Sept. 20, 1929

2 Sheets-Sheet 1

Fig. 1.

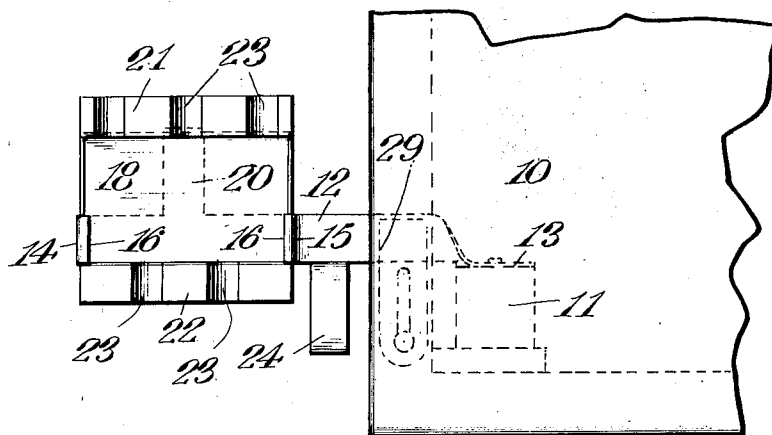


Fig. 2.

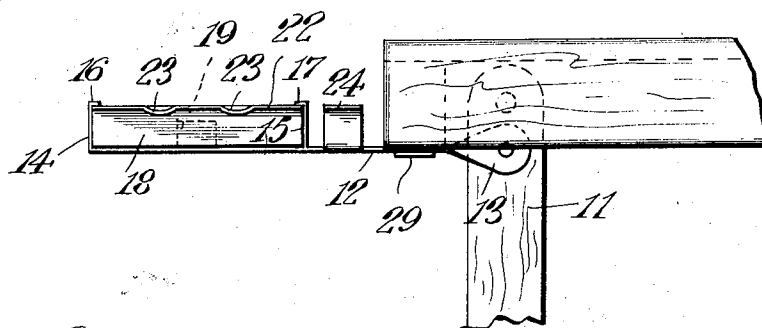
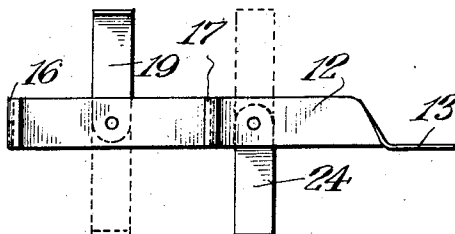


Fig. 6.



INVENTOR
Kenneth B. Johnson
BY
Howard W. Dix
ATTORNEY

July 4, 1933.

K. B. JOHNSON

1,916,619

ASH TRAY AND SUPPORT THEREFOR

Filed Sept. 20, 1929

2 Sheets-Sheet 2

Fig. 3.

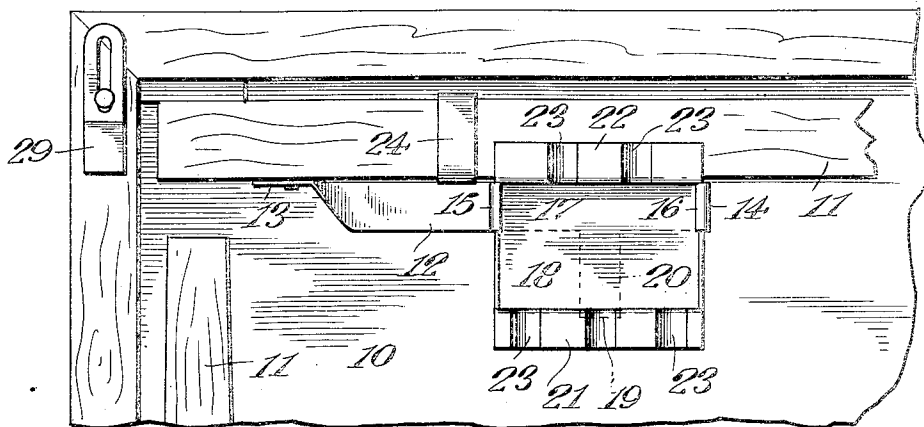


Fig. 4.

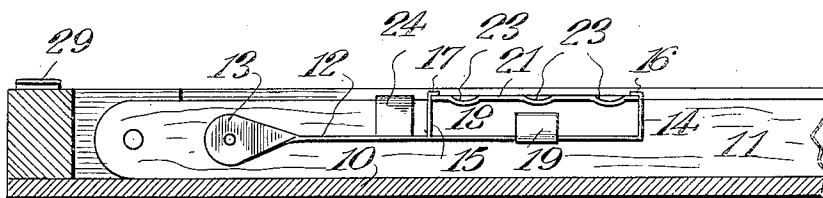
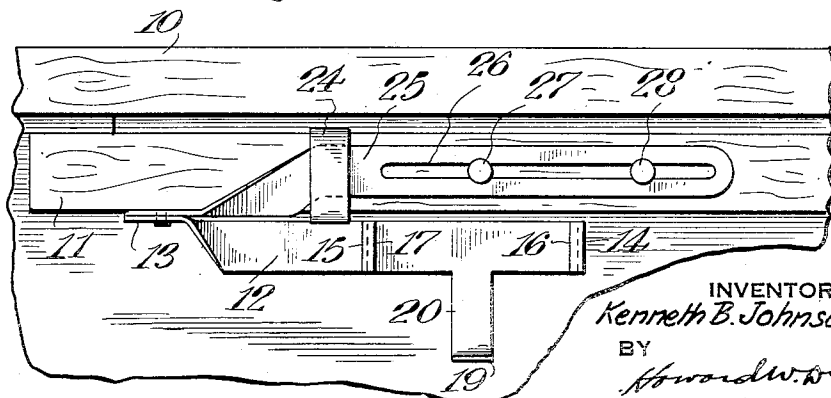


Fig. 5.



INVENTOR
Kenneth B. Johnson
BY
Howard W. Drif
ATTORNEY

UNITED STATES PATENT OFFICE

KENNETH B. JOHNSON, OF KEW GARDENS, NEW YORK

ASH TRAY AND SUPPORT THEREFOR

Application filed September 20, 1929. Serial No. 393,923.

This invention is concerned in new and useful improvements in ash trays and supports therefor.

A main object of the invention is to provide a simple, compact, economically manufactured construction of ash tray and supporting frame, which may be readily marketed at a reasonable price to be sold already applied to a card or other table or support and which may be easily and quickly applied to the table or support by the purchaser himself without any particular trouble or requirement as to mechanical skill.

A further object is to provide a construction which will permit the tray and the supporting frame to be tucked or folded out of the way and out of sight when not in use and especially when the card table is folded up and put away.

A still further object is to provide such a tray and frame construction as will permit the tray to be easily removed from the frame for emptying and cleaning purposes.

Yet another object is to provide a simple construction which can be readily applied to more than one type of table or support.

Further and more specific objects, features, and advantages will more clearly appear from the detailed description given below when taken in connection with the accompanying drawings which illustrate present preferred forms of the invention, which form part of the specification, and in which,

Fig. 1 is a plan view of a support with the device attached thereto and in operative position;

Fig. 2 is a side elevation of the support with the device shown in operative position;

Fig. 3 is an inverted plan view of the device folded away against the leg of the support when the table or support is folded up;

Fig. 4 is a side elevation of the construction shown in Fig. 3;

Fig. 5 is an inverted plan view of a modified form of the invention adapted for use with modified forms of the supporting legs; and,

Fig. 6 is a modified form of the frame for supporting the tray.

In general contemplation of the invention, it is to be noted that it comprises, briefly, an ash tray and a supporting frame pivoted to a support such as a card table and preferably to a leg thereof. The ash tray is preferably removably supported from this frame and

latched therein. The tray-supporting frame is provided with means whereby it is resiliently gripped to the table leg when folded thereagainst when not in use. The table is provided with means whereby the frame is held in operative position when swung into that position. The frame is further provided with means whereby its position on the support or the leg can be easily and quickly adjusted and varied to adapt it to use with different types of supports or legs and to supports where the braces are not disposed thereon in a standard manner.

As shown in the drawings, the device is adapted to be attached to a support such as a card table 10 having foldable legs 11. To this support, preferably to one of the legs 11, there is pivotally fastened a main plate 12 of a tray supporting frame. The outer end of this plate 12 is numbered 13 and is bent to lie parallel to the side of the leg to which it is fastened. The remainder of the plate or arm 12 is bent flat and at right angles to the portion 13 as shown. The outer end of the frame arm or plate 12 is bent either upward or downward but in the drawings is shown as bent upward to form upwardly extending ears or fingers 14 and 15 which are spaced apart and have at their upper ends resilient bent-over portions 16 and 17 which may act as grips against the top edges of the ash tray 18 which is slipped on the supporting arm 12 between the spaced fingers 14 and 15. The movement of the tray in a direction at right angles to the supporting arm 12 is limited by the stop arm or finger 19 which is upwardly extended from a cross arm 20 connected to the middle portion of the arm 12.

It will be noted that the ash tray has at two opposite sides outwardly extending flanges such as 21 and 22 on which are formed the depressions such as 23 on which cigars and cigarettes are suitably held. It will also be noted that when the ash tray and its support are folded back against the leg 11 that one of the flanges above mentioned such as 23 lies snugly over the adjacent flat face of the leg 11. Between the pivot point of the arm 12 with the leg 11 and the ash tray 18, the arm 12 is provided with a laterally extending gripping arm or finger 24 which as shown in Fig. 3 extends over the adjacent top of the leg 11 and then downward along the opposite side of the leg to grip the leg and tend to hold the supporting frame firmly

against the leg when folded thereagainst. At the same time, the side of the main portion of the ash tray adjacent the flange 23 is bearing against the other side of the leg 11 and between this side of the tray and the grip of the finger 24 the tray supporting frame is held firmly against the leg when they are folded in beneath the bottom of the table 10.

As shown in Figs. 2, 3, and 4, there is provided a latch arm 29 fastened to the under face of the table by a pin slot construction, and movable, when the frame is moved to the position shown in Fig. 2, to a position beneath the frame to hold it in this operative position.

As shown in Fig. 5, the frame for the tray has the portion 13 as before but in this instance this portion is not pivotally connected to the leg 11 but is pivotally connected to a similarly bent end of an adjustable arm or plate 25 which has a longitudinal slot 26 therein and receives pins 27 and 28 set therein and fastened to the table leg or other support so as to permit the arm 25 to be moved along the leg or support and adjust the position of the point around which the frame for the tray will pivot with respect to the leg or support. This will permit the tray and its support being attached to many types of supports or legs where the construction may be such as to prohibit the fixation of the frame to any particular point thereon.

In Fig. 6, is shown a modified form of the frame in which the leg gripping finger or arm 24 and the stop finger 29 are swivelled to swing to the opposite side of the main arm 12 to adapt the construction to conditions where the frame is to be attached to the other side of the support or leg from that shown in the drawings.

It is quite apparent therefore that this construction is simple, economical to construct, and easily and quickly adapted to use with the supporting table or other member either in the operative or the closed position. The device is held firmly in position whether open or closed and requires the simplest operation to put it into either position.

While the invention has been described in detail and with respect to a preferred form thereof, it is to be understood that it is not to be limited to such forms or details since many changes and modifications may be made and the invention embodied in other forms without departing from the spirit and scope of the invention in its broader aspects. Hence it is intended that this application is to cover any and all forms and modifications of the invention coming within the language or scope of any one or more of the appended claims.

What is claimed, is:

1. An ash tray support comprising a frame to which an ash tray may be removably connected, means for pivotally connecting the frame to a hinged table leg, and means on the frame engaging the leg to hold said frame in an inoperative position thereon.

2. An ash tray support comprising a frame to which the ash tray may be removably connected, means for pivotally connecting the frame to a hinged table leg, means on the frame engaging the leg to hold the frame in an inoperative position thereon, and means on the table to hold the frame in an operative position when moved to such position.

3. An ash tray support comprising a frame to which the ash tray may be removably connected, means for pivotally connecting the frame to a hinged table leg, means on the frame engaging the leg to hold said frame in an inoperative position thereon, means on the table to hold the frame in an operative position when moved to such position, and means on the frame to grip the ash tray and to limit its movement thereon in one direction.

4. An ash tray support comprising a frame to which the ash tray may be removably connected, means for pivotally connecting the frame to the leg of a table, means on the frame to grip the leg and hold the frame thereto when the frame is folded against the leg.

5. An ash tray support comprising a frame to which the ash tray may be removably connected, means for pivotally connecting the frame to the leg of a table, means on the frame to grip the leg and hold the frame thereto when the frame is folded against the leg, and means on the table to be moved into position to support the frame and the tray in the operative position.

6. An ash tray support comprising a frame to which the ash tray may be removably connected, fingers on the frame to grip the tray to hold it thereon, a stop member on the frame to limit the amount to which the tray can be moved on to the frame, and a gripping finger on the frame to enable it to be held against a support in a predetermined position.

7. An ash tray support comprising a frame to which an ash tray can be removably connected, an arm on said frame pivotally connected to a hinged table leg, a finger on the frame to engage said leg in one position of the frame, and a latch member on the table frame to be moved beneath the frame in another position thereof to hold it in that position.

This specification signed this 19th day of September, 1929.

KENNETH B. JOHNSON.