June 19, 1934. R. V. COLLINS 1,963,651

ASH RECEIVER FOR TABLES

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Fig. 1.

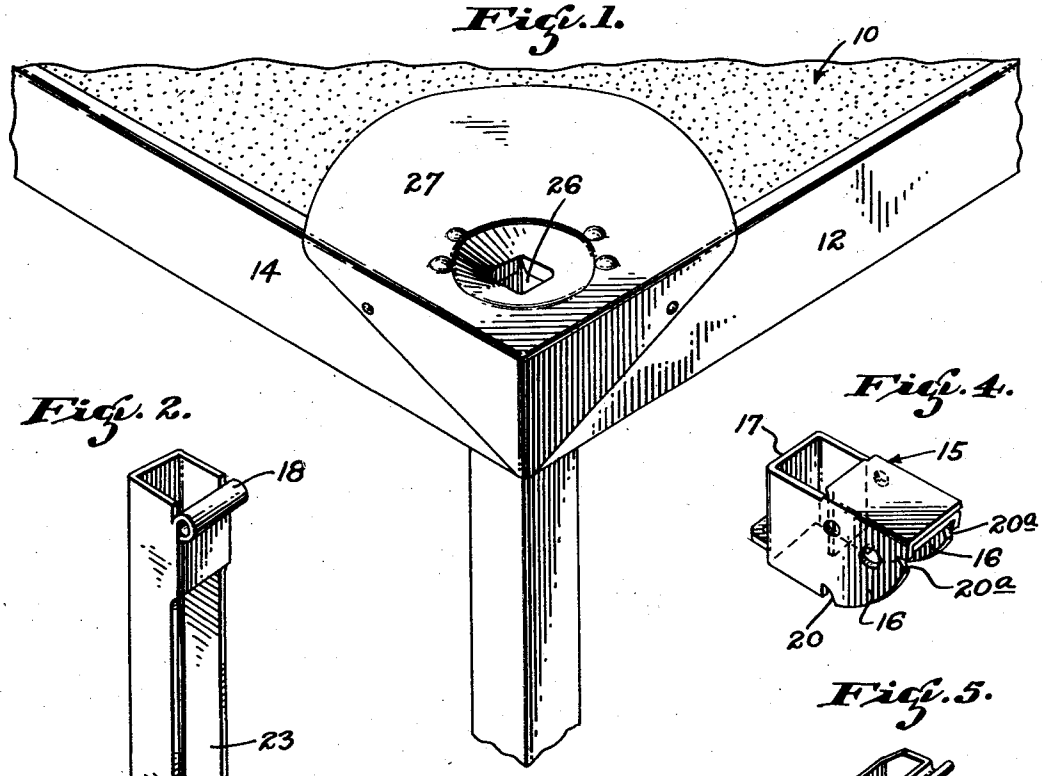


Fig. 2.

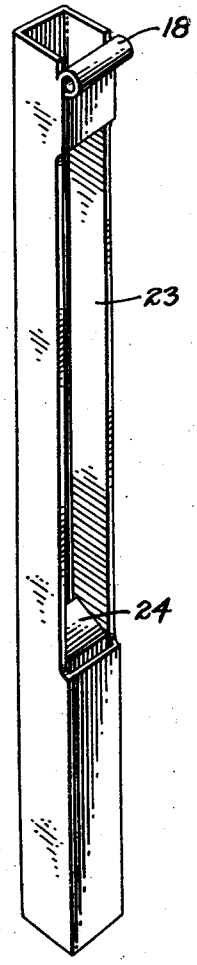


Fig. 4.

Fig. 5.

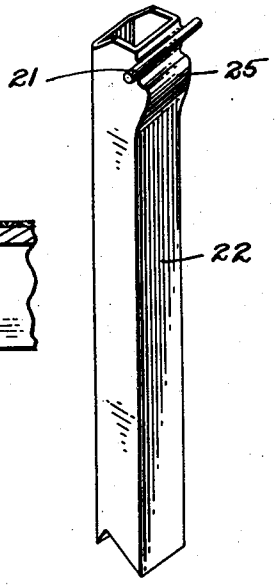
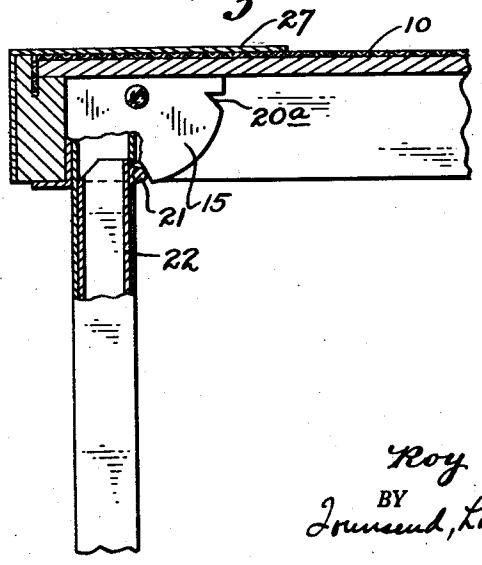


Fig. 3.



INVENTOR.
Roy V. Collins.
BY
Townsend, Lafton & Abbott
ATTORNEYS.

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Fig. 6.

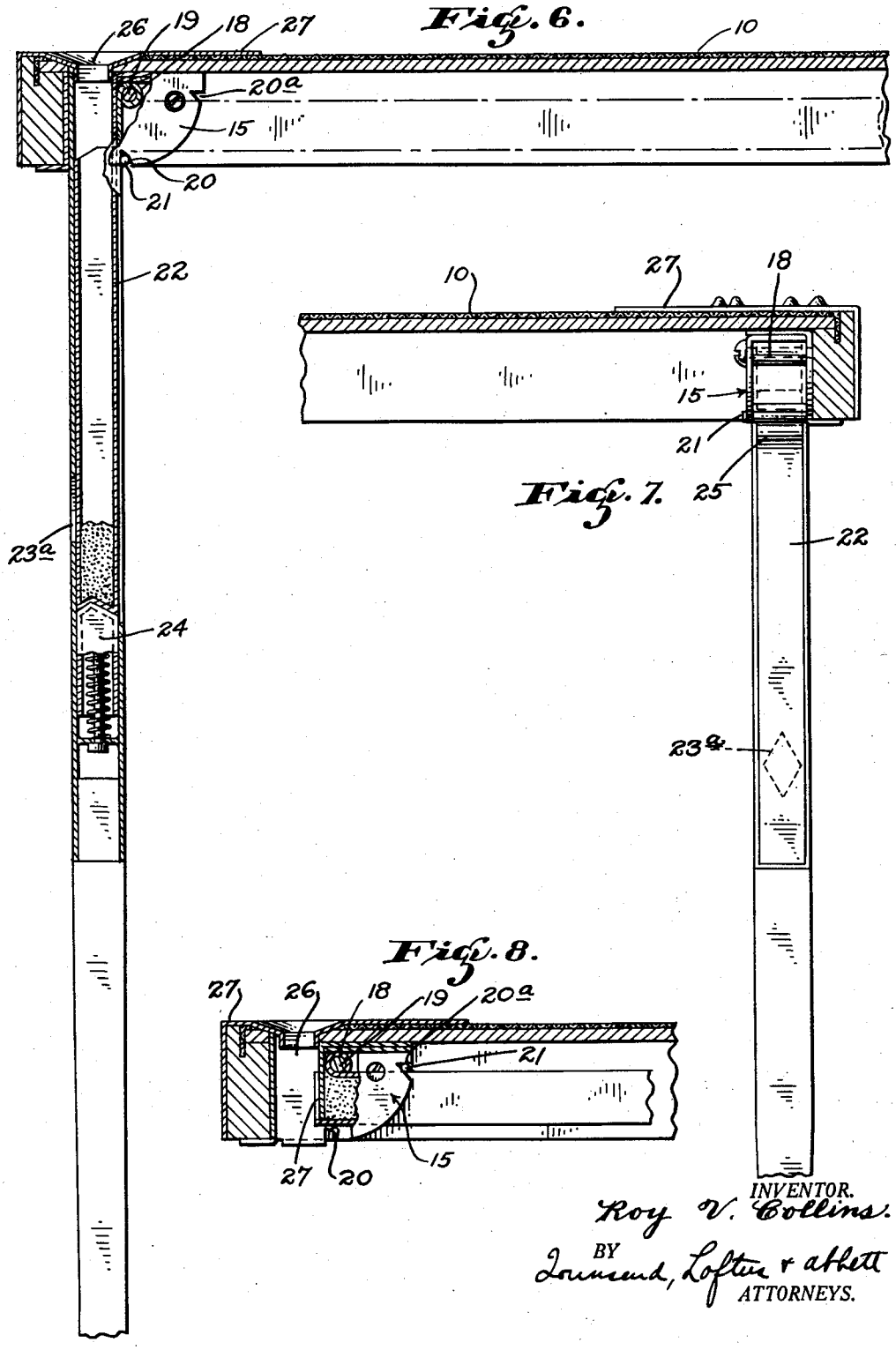


Fig. 7.

Fig. 8.

INVENTOR.
Roy V. Collins.
BY
Townsend, Lofton & Abbett
ATTORNEYS.

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ASH RECEIVER FOR TABLES

Roy V. Collins, Oakland, Calif.

Application January 7, 1931, Serial No. 507,173

4 Claims. (Cl. 45—75)

This invention relates to tables and analogous structures.

It is the principal object of the present invention to incorporate an ash receiver in a table or analogous structure in an unobstructing and concealed position but accessible for use, which ash receiver is of such formation that it will quickly smother burning tobacco and which is so mounted that it may be quickly removed so that it may be emptied and cleansed.

Another object of the invention is to provide a table having pivotal legs which are so connected to the table that they will be held in extended or folded position without the use of folding braces and similar structure.

In carrying the invention into practice, one or more legs of the table is provided with an ash receiver which is comparatively deep and which is removably held within the leg so that it will be in an unobstructing and substantially concealed position. The table top is formed with an opening aligning with the open upper end of the ash receiver so that burning tobacco may be discharged through the opening into the ash receiver. As the ash receiver is comparatively deep, the burning tobacco discharged therein will be quickly smothered so as to prevent the odors of burning tobacco from emanating from the receiver. The receiver can be quickly removed from the table leg so that it may be emptied and cleansed. In the event the table leg is of a folding character for use, for example, in connection with card tables, means are provided to enclose the normally open end of the receiver when the leg is in folded position so as to prevent the ejection of any tobacco remaining therein when the leg is placed in folded position.

One form which the invention may assume is exemplified in the following description and illustrated by way of example in the accompanying drawings, in which:

Fig. 1 is a fragmentary view in perspective showing the corner of a table having a leg within which an ash receiver is incorporated.

Fig. 2 is a perspective view of the table leg with the ash receiver removed therefrom.

Fig. 3 is a fragmentary view in section showing the connection between the table leg and the table.

Fig. 4 is a perspective view of the clip which connects the leg to the table.

Fig. 5 is a perspective view of the ash receiver.

Fig. 6 is a view in section through the table and leg showing the ash receiver mounted in the leg.

Fig. 7 is a fragmentary view in section through the table showing the ash receiver incorporated in the leg.

Fig. 8 is a view similar to Fig. 6 with the exception that the leg is disclosed in folded position.

Referring more particularly to the accompanying drawings, I have illustrated my invention as embodied in a card table of the folding leg type. The invention, however, may be readily applied to other types of tables, desks and analogous structures.

Reference being had to Fig. 1, 10 indicates a card table top having side rails 12 and 14 at its marginal edges. The table illustrated is equipped with four legs but for simplicity sake only one leg is illustrated.

Each leg is pivotally connected with the table top through the medium of a U-shaped clip 15. This clip is formed with parallel side members 16 joined by a base 17 disposed at right angles to the side members 16. The clip fits within the corner at the interior of the rails 12 and 14 with the base 17 abutting one rail and one side member abutting the adjacent rail. The clip is secured to the rails by screws or other suitable fastening means. The spacing between the side members 16 of the clip is sufficient to accommodate the table leg which is preferably but not necessarily square in cross section.

In the accompanying drawings the table leg is illustrated as of hollow metallic construction and while this is the preferred formation thereof, the leg can be of any suitable material and cross sectional configuration which may be adapted for the use to which the leg in the present instance is put.

At the side of the leg parallel to and opposed to the base 17 of the clip 15, the upper edge of the leg is formed with a ferrule 18. A pivot pin 19 extends through opposite side members 16 of the clip and through the ferrule 18 so as to pivotally connect the leg to the clip 15. As the pivot pin 19 extends at right angles to one of the side rails, the leg will swing in a plane parallel to one marginal edge of the table.

The lower edges of the terminals of the side members 16 are arcuate and concentric to the center about which the leg pivots. These arcuate edges are formed with pairs of aligned notches 20 and 20*a* which are provided for the purpose of receiving a spring-pressed latch member 21 on the leg. The notches 20 are provided to latch the leg in extended position and the notches 20*a* are provided to latch the leg in folded position. When the leg is in extended

position, it is held against the base 17 of the clip 15 by the latch 21 engaging the notches 20. Thus, no braces are necessary to rigidly maintain the leg in extended position. When the leg is swung about its pivotal point until the latch 21 engages the notches 20*a*, the leg will be in a folded position ninety degrees from its extended position and will nest within and parallel to one of the side rails.

The spring-pressed latch 21 is secured to an ash receiver or receptacle 22 which is an elongated hollow member which is square in cross section and formed with a closed lower end and an open upper end. One side of the leg, preferably one inner side, is formed with an opening 23 to receive the ash receiver. The dimensions of the receiver 22 are such that it will snugly nest within the leg. That is, the exterior dimensions of the receiver are just slightly less than the interior dimensions of the leg. The outer wall of the receiver 22 is slightly longer than the opening 23 in the leg so that when the receiver is nested within the leg it will form a complete closure for the opening 23.

Within the leg below the opening 23 is a spring-pressed plunger 24. The upper end of this plunger is shaped to coincide with the lower end of the ash receiver. This lower end is of open V-shape so that relative lateral movement in a direction at right angles to the opening 23 between the lower end of the receiver and the upper end of the plunger will be yieldably resisted when the receiver is in place within the leg. It will be noticed from the drawings that the latch 21 is positioned adjacent the upper end of the receiver with its ends projecting laterally beyond the sides of the leg so as to engage the notches in the side members of the clip 15.

A grip 25 is formed on the exposed side of the ash receiver 22 in a convenient position to lower the ash receiver against the resistance of the spring-pressed plunger so as to disengage the latch 21 from the notches 20 and to bring the upper end of the ash receiver below the upper end of the opening 23 so that the receiver may be disengaged and removed from the leg.

When it is merely desired to fold the leg, downward movement of the ash receiver will disengage the latch from the notches 20 and as the leg is swung to its folded position the ends of the latch will ride over the arcuate edges of the side members 16 until the leg reaches its folded position, at which time the latch will register with and engage the notches 20*a* to yieldably maintain the leg in folded position. The shape of the notches 20*a* is cam like so that it is unnecessary to manually disengage the latch 21 from the notches 20*a* in order to position the leg in its extended position.

The length of the ash receiver is such that burning tobacco placed therein will quickly smother. This is very advantageous as it not only reduces the fire hazard but it prevents the odorous smoke from emanating from the receiver.

The table top is formed with an opening 26 in alignment with the open upper end of the leg. An ornamental corner plate is arranged over the surface and corner surrounding the opening, which plate is formed with a shallow chute projecting through the opening to direct ashes, tobacco, etc. into the open upper end of the leg and thence into the ash receiver.

The open upper end of the leg is closed when the leg is moved to folded position so that the contents of the receiver will not discharge therefrom. This is accomplished by the provision of a stationary closure plate 27 which depends between the side members 16 of the clip 15. This plate 27 is so positioned and of such dimensions that it depends into the upper end of the leg parallel and adjacent to one side thereof when the leg is in extended position. When the leg is moved ninety degrees to folded position, the plate will be disposed transversely of the leg slightly within the end thereof and forming a complete closure therefor.

In operation of the device, assuming that it is constructed as illustrated in the accompanying drawings and that the leg is extended, any ashes or burning tobacco may be deposited into the ash receiver through the opening in the table top. The ashes, etc., will drop downwardly through the leg into the ash receiver and due to the depth of the ash receiver the burning tobacco will quickly smother so that no odorous smoke of burning tobacco will emanate from the receiver.

If it is desired to empty the receiver, it is merely necessary to depress the receiver against the action of the spring-pressed plunger through the medium of the grip until the upper end of the receiver is disposed below the upper end of the opening 23. The upper end of the receiver may then be moved outwardly through the opening 23 and the entire receiver removed for emptying and cleansing.

It will be noticed that the side of the leg opposite the opening 23 is formed with a diamond-shaped opening 23*a*. This opening is disposed contiguous to the bottom of the ash receiver. When the ash receiver is in position its inner surface will be closely adjacent to this opening, so by pressing the finger through the opening the bottom of the ash receiver will be forced outwardly through the opening 23 to permit removal of the ash receiver.

To reinsert the receiver, it is only necessary to insert the bottom or top of the receiver first and then slightly depress it to depress the plunger until the upper end of the receiver may pass through the opening 23. The upper end of the receiver is then moved inwardly into the leg. Upon release of the receiver, the spring-pressed plunger will move it upwardly until the upper end of the receiver is disposed beyond the upper end of the opening 23 and thus the receiver will be removably held in position. As previously described, the lower end of the receiver and the plunger are formed with cooperating surfaces resisting dislodgment of the lower end of the receiver from the leg.

If it is desired to fold the legs of the table, the receiver 22 is depressed sufficiently to disengage the latch member 21 from the notches 20. The leg may then be swung ninety degrees until the latch member 21 engages the notches 20*a* which will yieldably hold the leg in folded position. When the leg is in folded position, the closure plate 27 will form a complete closure for the open upper end of the leg so as to prevent the contents of the ash receiver from discharging.

It will be noticed that the notches 20 are cam-shaped and that the latch member does not bottom therein. This cam-shape of the notches causes the spring pressure exerted against the latch to constantly maintain the leg firmly in extended position.

Although I have illustrated my invention as applied to a card table, it is to be understood that it may be applied to any other type of wall

or structure in furniture. The position of the ash receiver is such that it will be in an unobstructing and substantially concealed position but readily accessible for use.

While I have shown the preferred form of my invention, it is to be understood that various changes may be made in its construction by those skilled in the art without departing from the spirit of the invention as defined in the appended claims.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A table structure of the character described comprising a top, a leg adapted to depend therefrom when in extended position, a clip secured to the top, a pivotal connection between said leg and said clip, said clip having a pair of spaced arcuate edges concentric to the pivotal point of the leg, said edges being formed with a pair of aligned notches arranged substantially ninety degrees apart, an ash receiver removably disposed in the leg, spring means constantly urging said ash receiver upwardly, latch means secured to said ash receiver and positioned to engage said notches whereby to yieldably secure said leg in either extended or folded position, said table top being formed with an opening therethrough in vertical alignment with the ash receiver.

2. A table structure comprising a horizontal top, a hollow leg depending therefrom, said top being formed with an opening therethrough in vertical alignment with said leg, an ash receiver adapted to nest within the leg, said leg being formed with a side opening through which said ash receiver is insertable, means yieldingly retaining the ash receiver in position, the upper end of said ash receiver being open whereby matter discharged through the opening in the top will deposit in said ash receiver.

3. A table structure comprising a horizontal top, a hollow leg depending therefrom, said top being formed with an opening therethrough in vertical alignment with said leg, an ash receiver adapted to nest within the leg, said leg being formed with a side opening through which said ash receiver is insertable, means yieldingly retaining the ash receiver in position, the upper end of said ash receiver being open, said ash receiver being elongated with its upper end open and its lower end closed, said ash receiver being positioned in the leg with its upper end contiguous to the opening through the top.

4. A table of the character described comprising a top, a leg pivotally connected therewith whereby it may be arranged in extended or folded position relative to the top, an ash receiver fitted within the leg, said top being formed with an opening in alignment with the ash receiver in the leg whereby matter may be discharged through said opening into said ash receiver, and means for preventing the discharge of the contents from said ash receiver when the leg is placed in folded position.

ROY V. COLLINS.