

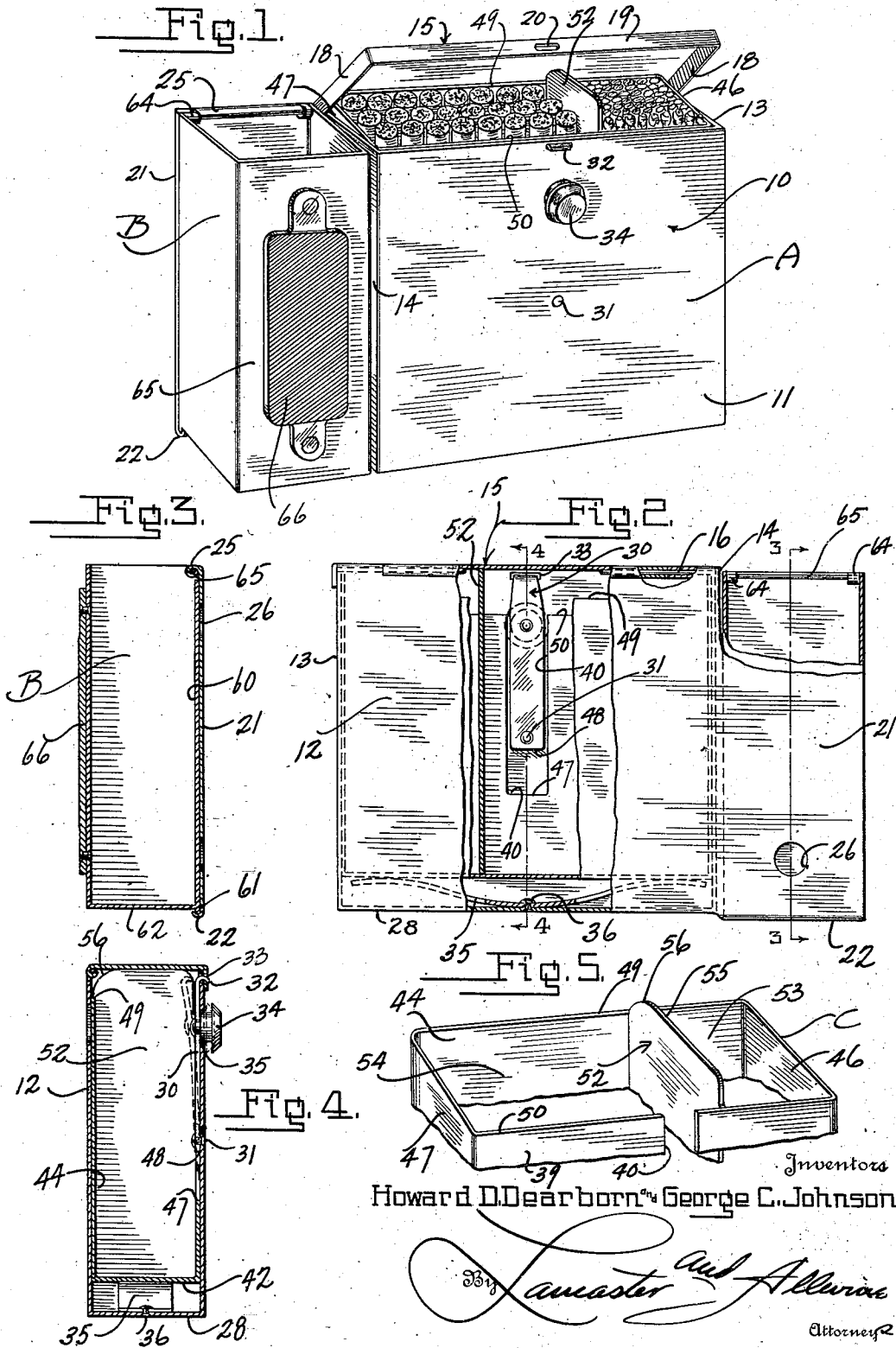
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H. D. DEARBORN ET AL

TOBACCO USER'S APPLIANCE

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HOWARD DANA DEARBORN AND GEORGE CARROL JOHNSON, OF GREENFIELD,
MASSACHUSETTS.

TOBACCO-USER'S APPLIANCE.

Application filed August 29, 1921. Serial No. 496,494.

To all whom it may concern:

Be it known that we, HOWARD D. DEARBORN and GEORGE C. JOHNSON, citizens of the United States, residing at Greenfield, in the county of Franklin and State of Massachusetts, have invented certain new and useful Improvements in Tobacco-Users' Appliances, of which the following is a specification.

This invention relates to improvements in tobacco users' appliances.

The primary object of the invention is the provision of an appliance including tobacco, match, and ash receiving compartments of novel construction.

A further object of the invention is the provision of an appliance adapted for particular use upon vehicles, such as automobiles, and including match and tobacco compartments assembled in novel manner in a casing, a detachable ash tray being provided as a part of the appliance.

Other objects and advantages will be apparent during the course of the following detailed description.

In the drawing, wherein similar-reference characters designate corresponding parts throughout the several views.

Figure 1 is a perspective view of the improved appliance.

Figure 2 is a rear elevation of the tobacco user's appliance, showing details of construction.

Figure 3 is a cross sectional view taken on the line 3—3 of Figure 2.

Figure 4 is a cross sectional view taken on the line 4—4 of Figure 2.

Figure 5 is a fragmentary perspective view of a container used in connection with the improved device.

In the accompanying drawing, wherein for the purpose of illustration is shown a preferred embodiment of our invention, the letter A designates a supporting casing, including the detachable ash container B, and the tobacco and match container C. The supporting casing A may be formed of any approved type of material, and in the majority of instances will be polished brass or nickel. The same includes the housing 10 of rectangular formation, including a front wall 11, a rear wall 12, and end walls 13 and 14. A cover 15 is provided for use upon the housing 10, the same being hingedly connected by a pintle

member 16 to the rear wall 12. The cover 15 is provided with the end depending flange 18 and the forward depending flange 19 adapted for engaging the side and front walls of the housing 10 when the cover 15 is closed. A slot 20 is provided centrally of the depending flange 19 for a purpose to be subsequently set forth. The rear wall 12 of the supporting casing A is extended beyond the side wall 14, for a short distance, to provide a plate 21 for support of the ash container B. The plate 21 is provided upon the lowermost margin thereof with the arcuate flange 22 to provide a groove or recess. The upper marginal edge of the plate 21 is provided with an overhanging flange 25, to provide a groove lying parallel to the groove provided by the arcuate flange 22. Suitable apertures 26 may be provided upon the rear wall 12 as well as the plate 21, for fastening elements with which to secure the tobacco user's appliance to a motor vehicle or the like. Attention is directed to the fact that the arcuate flange 22 extends below the plane defined by the bottom 28 of the housing 10, in order that the ash tray B when assembled to the casing A may present a uniform appearance therewith.

A spring latch arm 30 is provided to fasten by a rivet 31 at its lower end to the inside of the front wall 11 of the housing 10, the upper end 32 of the latch arm 30 being flanged forwardly to project from a slot 33 immediately adjacent the upper marginal edge of the front wall 11. A finger engaging button 34 is provided for reciprocation in an aperture 35 in the front wall 11, and which is riveted or otherwise secured to the free end of the latch arm 30, in order that the flanged end 32 may be depressed into the housing 10 and free from projection from the slot 33. The latch arm 30 cooperates with the slot 20 in the cover 15, whereby the projecting end 32 may engage said slot 20 to maintain the cover 15 in latched position upon the housing 10 to provide an air tight and moisture proof housing.

Referring now to the construction of the tobacco and match container C and its co-operating details in the housing 10. A flat arcuate spring 35 is centrally attached as by a rivet 36 upon the bottom 28 of the housing 10, in such manner that the ends

of the spring 35 are spaced above the bottom 28. The container C is of substantially rectangular formation, the same being constructed of any preferred material; and adapted for sliding movement upwardly and downwardly within the housing 10. The front wall 39 of the container C is provided with a slot 40 whereby said wall may fit against the inside of the front wall 11 of housing 10 and clear the latch arm 30, and its incidental mechanism which is disposed upon said front wall of the housing 10. The bottom 42 of the container C rests upon the outer ends of the spring 35 and is thus resiliently maintained within the housing 10. The rear wall 44 of container C engages the rear wall 12 of the housing 10 for frictional sliding movement thereagainst, the end walls 46 and 47 of the container C contacting the inside surfaces of the end walls 13 and 14 respectively of the housing 10. Thus, the container C while fitting snugly within the pocket provided by the housing 10 is permitted to slide upwardly and downwardly therein. When assembled within the housing 10, the lower edge 47 of the slot 40 contacts the lower edge 48 of the latch arm 30, to define the most upward position of the container C in the pocket of housing 10, and when the cover 15 is open the spring arm 35, of course, forces the container C upwardly within the housing 10, and is maintained under an initial compression even when the container C is held in its most upward position as above described.

The rear wall 44 of the container C has its top marginal edge 49 projecting above the top marginal edge 50 of the front wall 39. In other words, the rear wall 44 is of greater height than the front wall 39, the top edges of the side walls 46 and 47 being inclined from the top edge of the rear wall to the top edge of the forward wall, as can readily be seen from an observation of Figures 1 and 5 of the drawings.

The container C is divided by a partition 52 into a relatively small compartment 53 adapted for containing matches, and a relatively larger compartment 54 used for containing cigarettes, cigars or other tobacco. The top marginal edge 55 of the partition 52 extends above the marginal edges 49 and 50 of the container C, said partition 52 having an arcuated marginal edge 56 connecting the top margin 55 of said partition 52 and sloping toward the top marginal edge 49 of the rear wall 44 and for a purpose to be subsequently set forth.

The ash container B is preferably rectangular in formation and of about the same width as the housing 10 to present a uniform appearance therewith. The rear wall 60 of container B is provided with a depending flange 61 extending below the bot-

tom 62 of said container B and adapted for resting in the groove provided by the arcuate flange 22 of plate 21. The upper marginal edge of the rear wall 60 is provided with a pair of hinge barrels 64 adjacent the sides of said container B, and in alignment to support the yieldable snap wire 65; a portion of the rear wall 60 immediately back of said snap wire 65 being removed, whereby the catch flange 25 of the plate 21 may engage said snap wire 65 to support the container B in engagement upon the plate 21 and with the depending flange 61 engaging in the groove of the arcuate flange 22. The front wall 65 of the container B is provided with a match striking element 66, which is secured thereto in any preferred manner.

The method of assembling the various parts is illustrated in Figure 1 of the drawings, the matches being placed in the compartment 53, and cigarettes within the compartment 54. When the cover 15 is opened, the upper marginal portion of the rear wall 44 of container C extends above the upper marginal edge of the rear wall 12 of housing 10; the upper marginal edges of the front wall 39 of container C and front wall 11 lying substantially in the same plane. This positioning of the container C is of course effected by the normal tendency of the spring and facilitates the removal of the matches and cigarettes therefrom. When closing the cover 15, the under surface of the top of said cover engages the arcuate marginal edge 56 of the partition 52, and gradually forces the container C downwardly into the pocket of the housing 10 and against compression of the spring 35, until the entire casing C is within the container 10, and the top marginal edge 55 of the partition 52 engages the under surface of the top of cover 15. The latch mechanism is brought into operation and the projecting end 32 engages within the slot 20 of cover 15 to hold the same locked in place for secreting the cigarettes and matches within the housing 10.

From the foregoing, it can be seen that a structure has been provided, which is simple, durable and which will be of great utility for the purpose set forth. When the user depresses the button 34, the spring 35 will immediately come into play and force the casing C upwardly, the cover 15 of course, swinging back and presenting the cigarettes and matches for removal in facile manner.

If so desired, a padlock or other locking arrangement may be provided for use upon the housing 10 to lock the cover 15 thereon, to prevent unauthorized removal of the matches and cigarettes therefrom.

Various changes in the shape, size and arrangement of parts, may be made to the form of the invention herein shown and de-

scribed, without departing from the spirit of the invention or the scope of the claims.

We claim:

1. As an article of manufacture, a container having the rear side extending above the top edge of the forward side, and a partition dividing said container into two compartments, said partition extending above all of the top edges of said container.

2. A device of the class described, comprising a supporting plate having a groove adjacent one edge thereof, a container including a portion for detachably fitting within said groove and snap means on said supporting plate and container remote from said groove to detachably mount the container on the support.

3. A device of the class described, comprising in combination a supporting housing, a cover hingedly connected to the rear wall of said housing, a latch arm yieldably maintained within said housing and for engaging said cover to latch the same upon said housing, a container slidably mounted within said housing, a spring intermediate the bottom of said container and the bottom of said housing to normally force said container upwardly within the housing, said container including a portion for abutting against said latch arm to define the most upward position of said container, the top edge of the rear wall of said container extending upwardly of the top of said housing when the container is in its most extended position, and a partition dividing said container into compartments, said partition extending upwardly of said casing and adapted for contact with the cover of said casing, whereby said partition will force said cover upwardly under spring

pressure when the latch arm is released, said cover adapted for engaging said partition to force the container downwardly in the casing when the cover is closed, and the latch arm in engagement therewith.

4. A device of the class described comprising a casing including a laterally projecting wing plate rigid therewith, an ash container, and means for detachably connecting said ash container to said plate.

5. A device of the class described comprising a casing having a wing plate extending laterally from an end wall thereof and rigid therewith, said wing plate at its lower marginal edge being upturned to provide a groove and at its upper end being provided with spaced aligning eye openings, and a container having a depending flange adapted for resting within the groove provided by the lower marginal edge of said wing plate and at its upper end having an outwardly curved flange thereon, and a pin adapted for disposition in the eye openings of said plate for receiving the curved flange of the container in snap manner thereon.

6. A device of the class described comprising a supporting casing, a cover for said supporting casing, a container mounted within said casing, a spring normally urging said container upwardly toward the cover of said casing, a projection carried by the container extending above all of the top edges thereof adapted to cooperate with said cover to force the container into the casing against compression of the spring incident to the cover riding thereon, and latch means to maintain the cover in a closed position against compression of the spring.

HOWARD DANA DEARBORN.
GEORGE CARROL JOHNSON.