US 20200236988A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2020/0236988 A1**

Jarrett (43) **Pub. Date: Jul. 30, 2020**

(54) **ROLLING TRAY**

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(21) Appl. No.: **16/257,060**

(22) Filed: **Jan. 24, 2019**

Publication Classification

(51) **Int. Cl.**

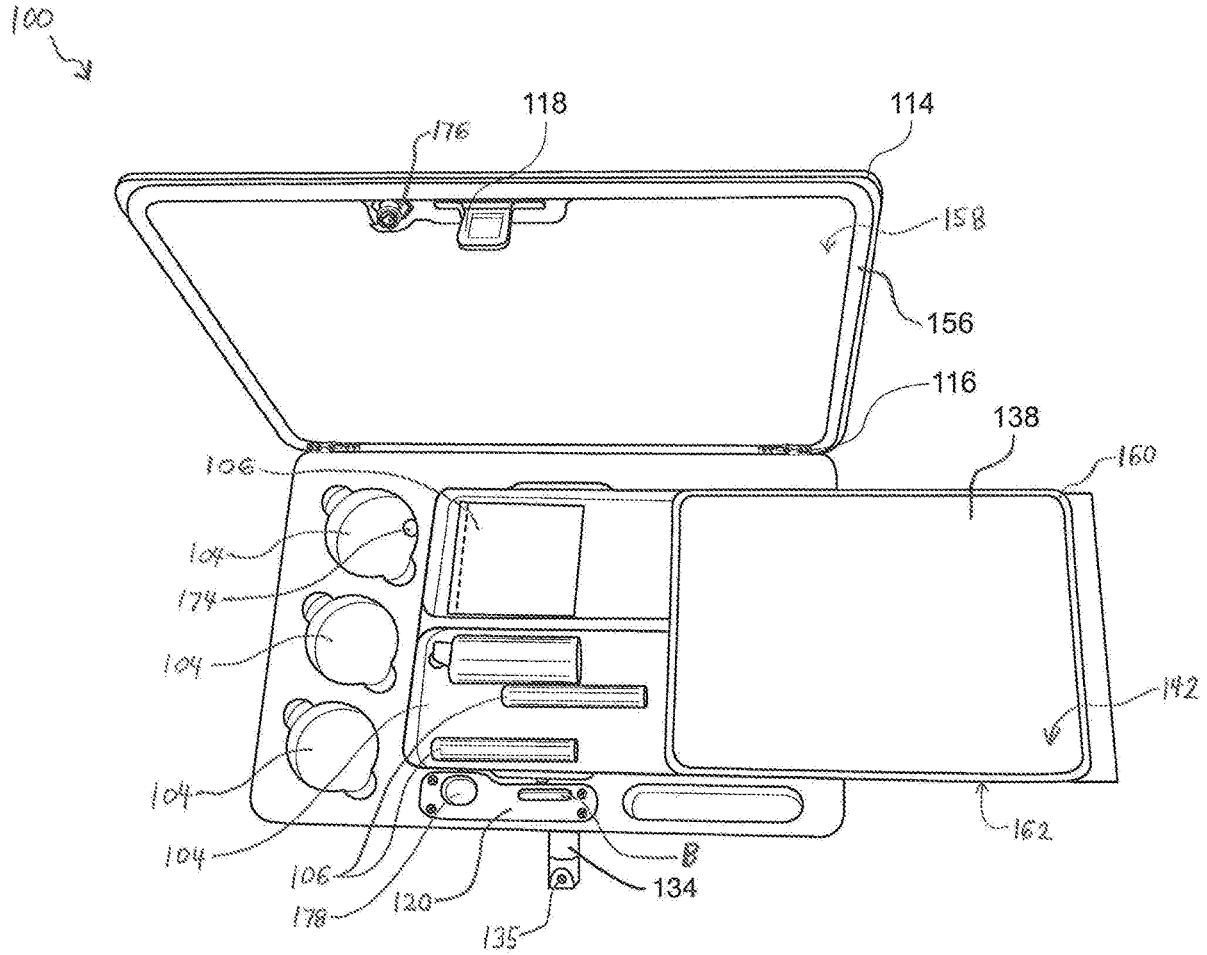
A24C 5/44	(2006.01)
A24F 15/18	(2006.01)
B65D 55/14	(2006.01)

(52) **U.S. Cl.**

CPC ***A24C 5/44*** (2013.01); *A24F 23/00* (2013.01); ***B65D 55/14*** (2013.01); ***A24F 15/18*** (2013.01)

(57) **ABSTRACT**

A lockable tray device is provided including a housing with compartments to receive and securely store smoking articles. The housing defines a jam passage, and a lid is operably connected to the housing with a jam configured for insertion into the jam passage. A locking mechanism is fitted within the housing and includes a latch disposed within the jam passage. The latch is movable between a first locked position and a second unlocked position. A fixed magnet attracts the latch into the first position. The jam is secured to the locking mechanism by inserting the jam into the jam passage toward the locked position by advancing the jam through the jam passage such that the jam contacts and moves the latch to the second position to clear the jam passage. A key is magnetically attracted to the latch and moves the latch into the second position clearing the jam passage and unlocking the locking mechanism when the key is connected to or in close proximity to the housing.



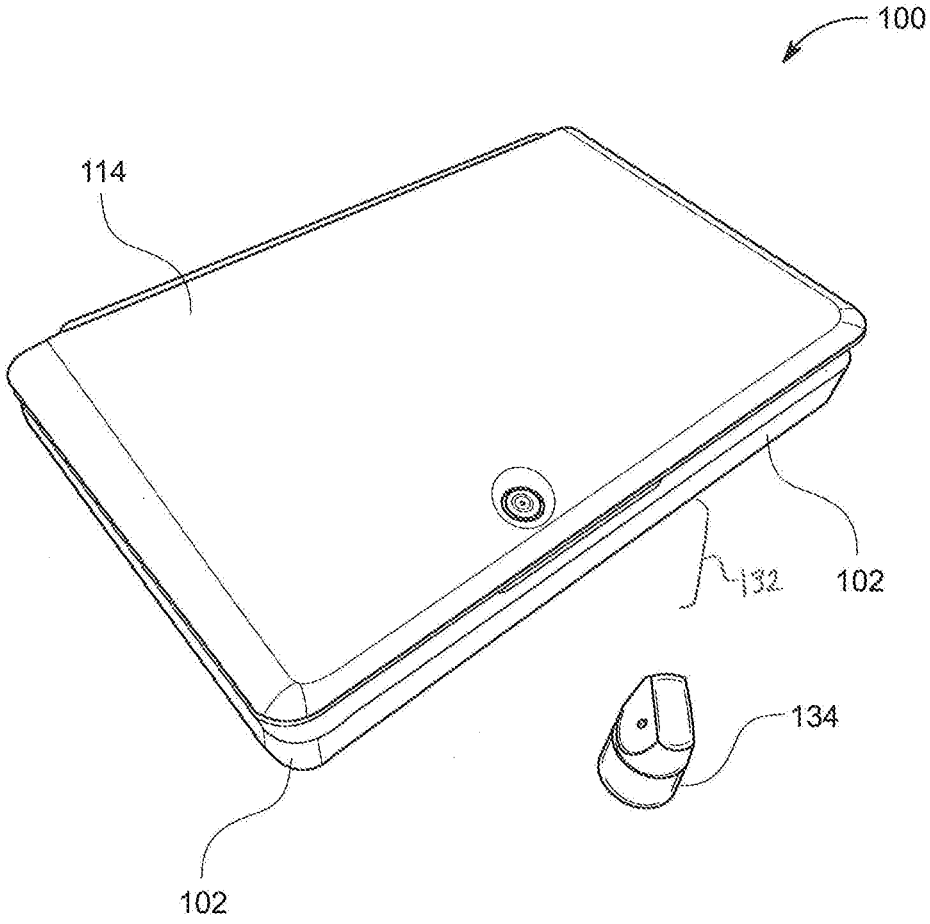


FIG. 1

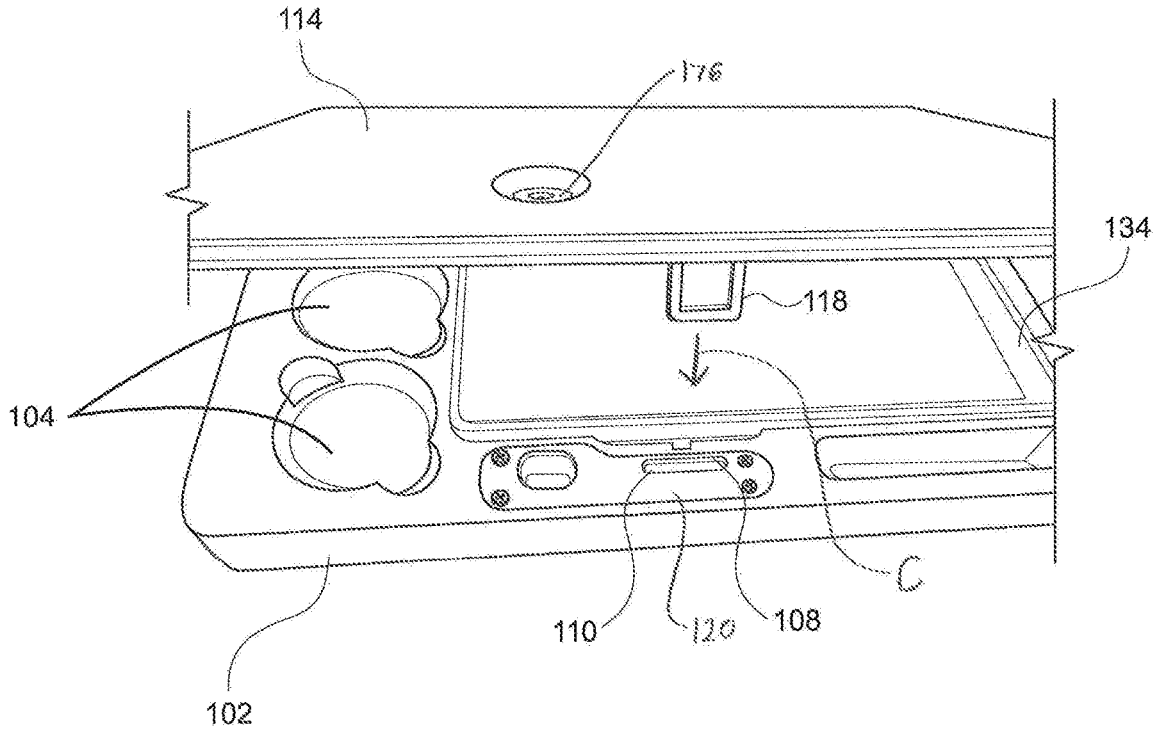


FIG. 2

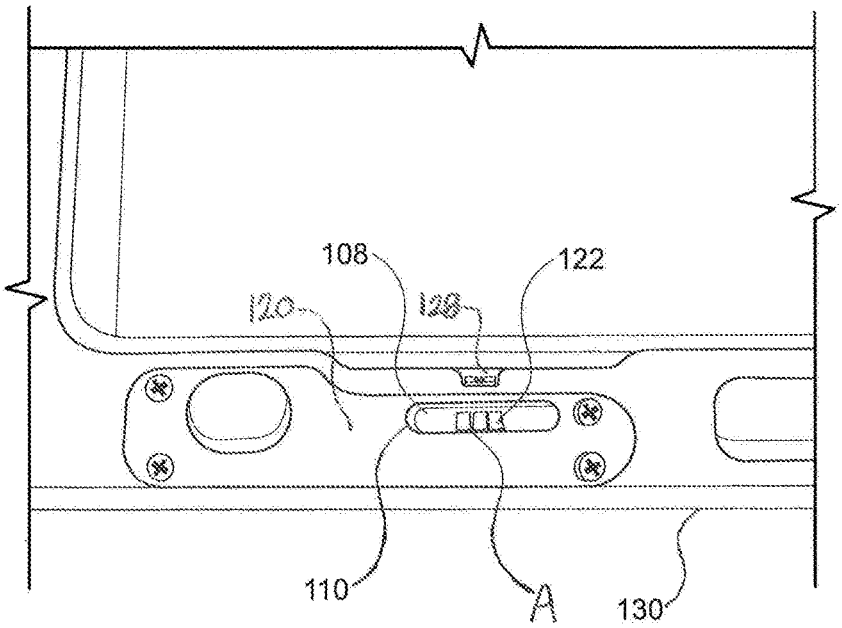


FIG. 3

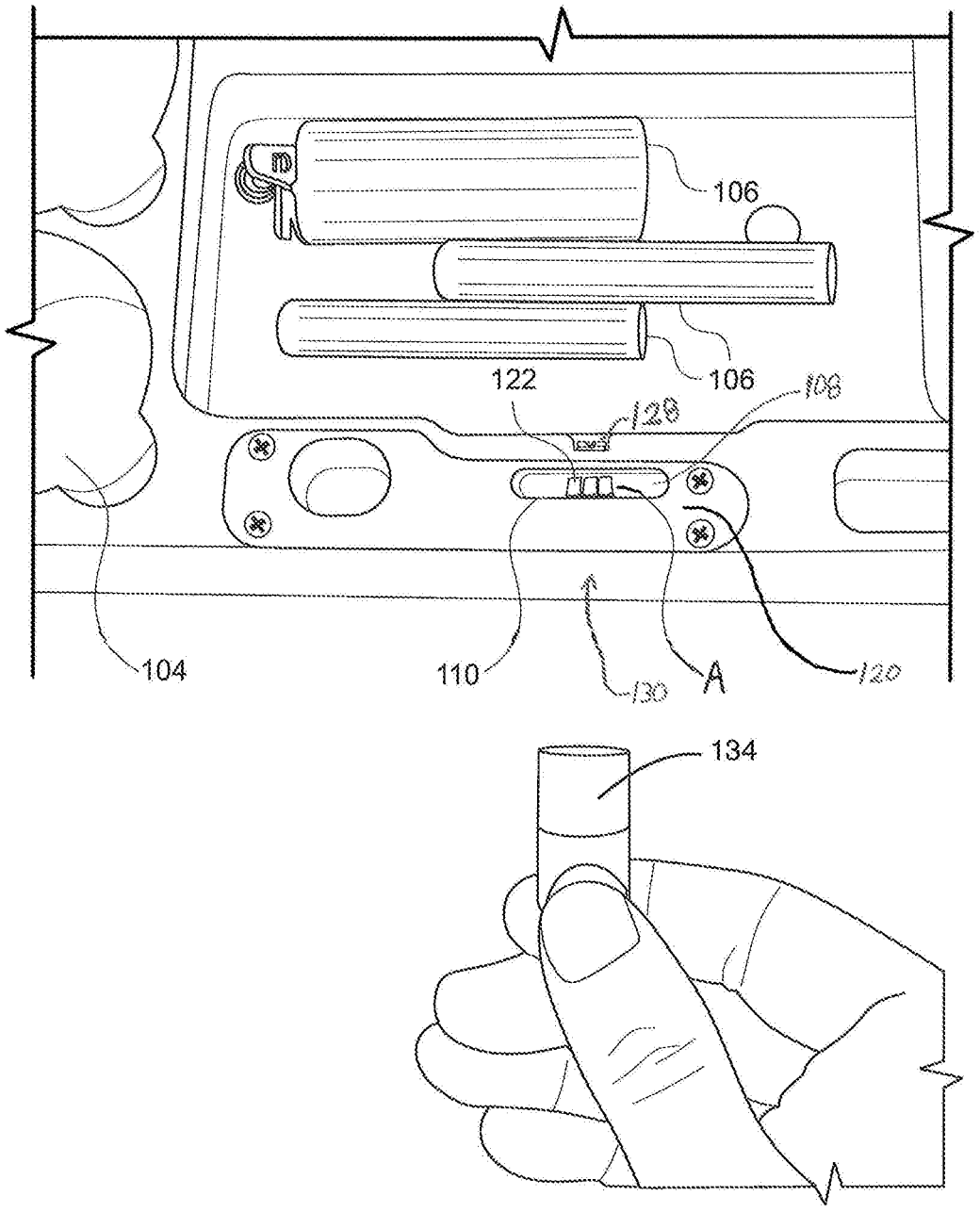


FIG. 4

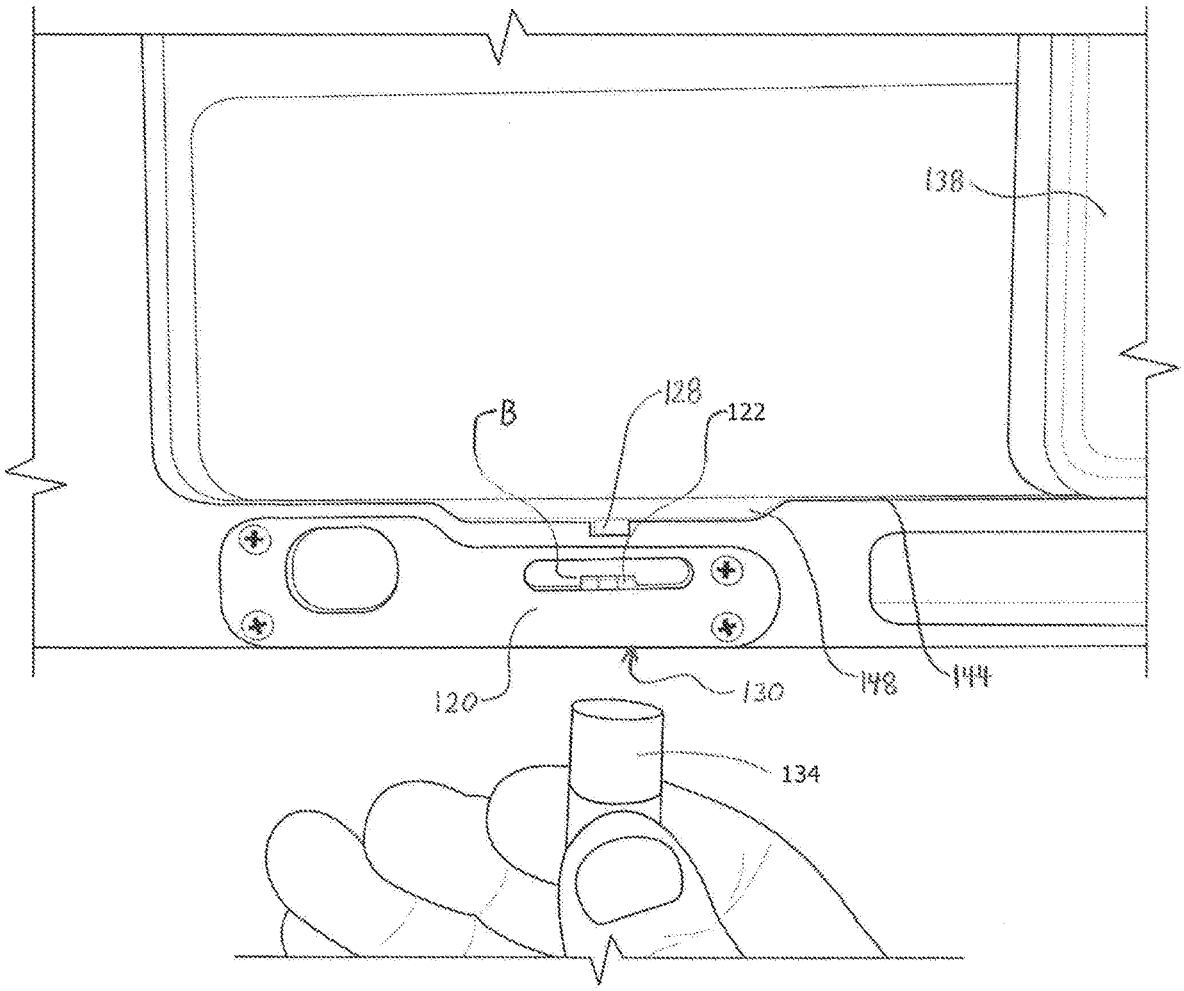


FIG. 5

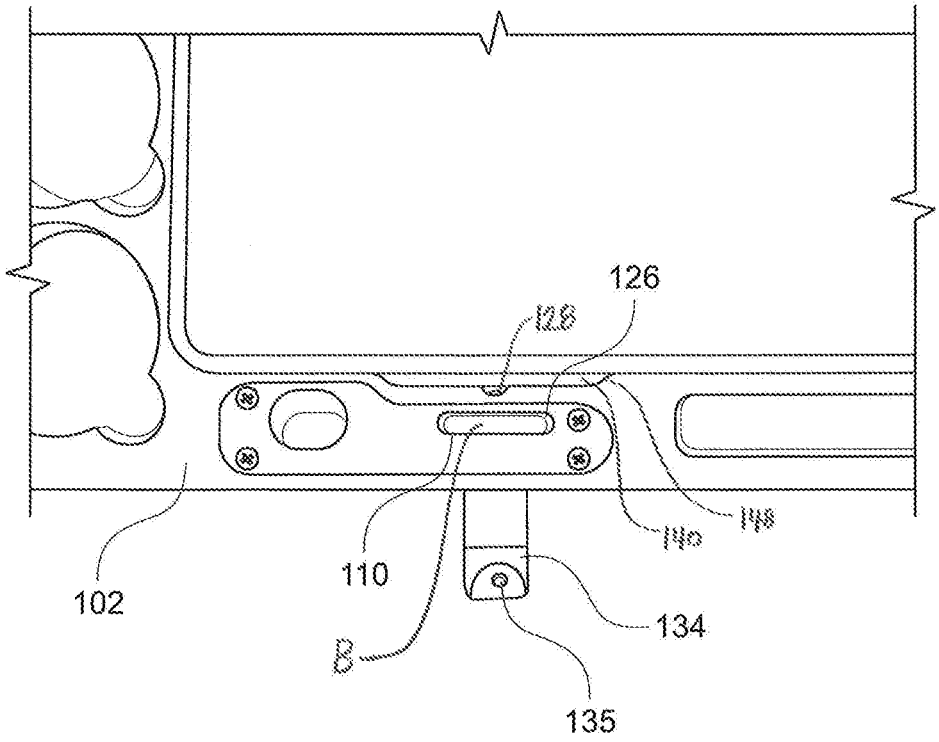


FIG. 6

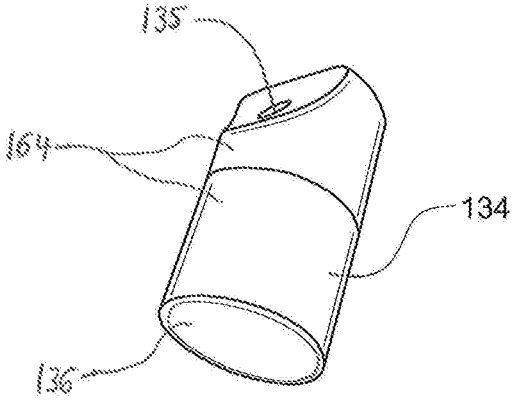


FIG. 7

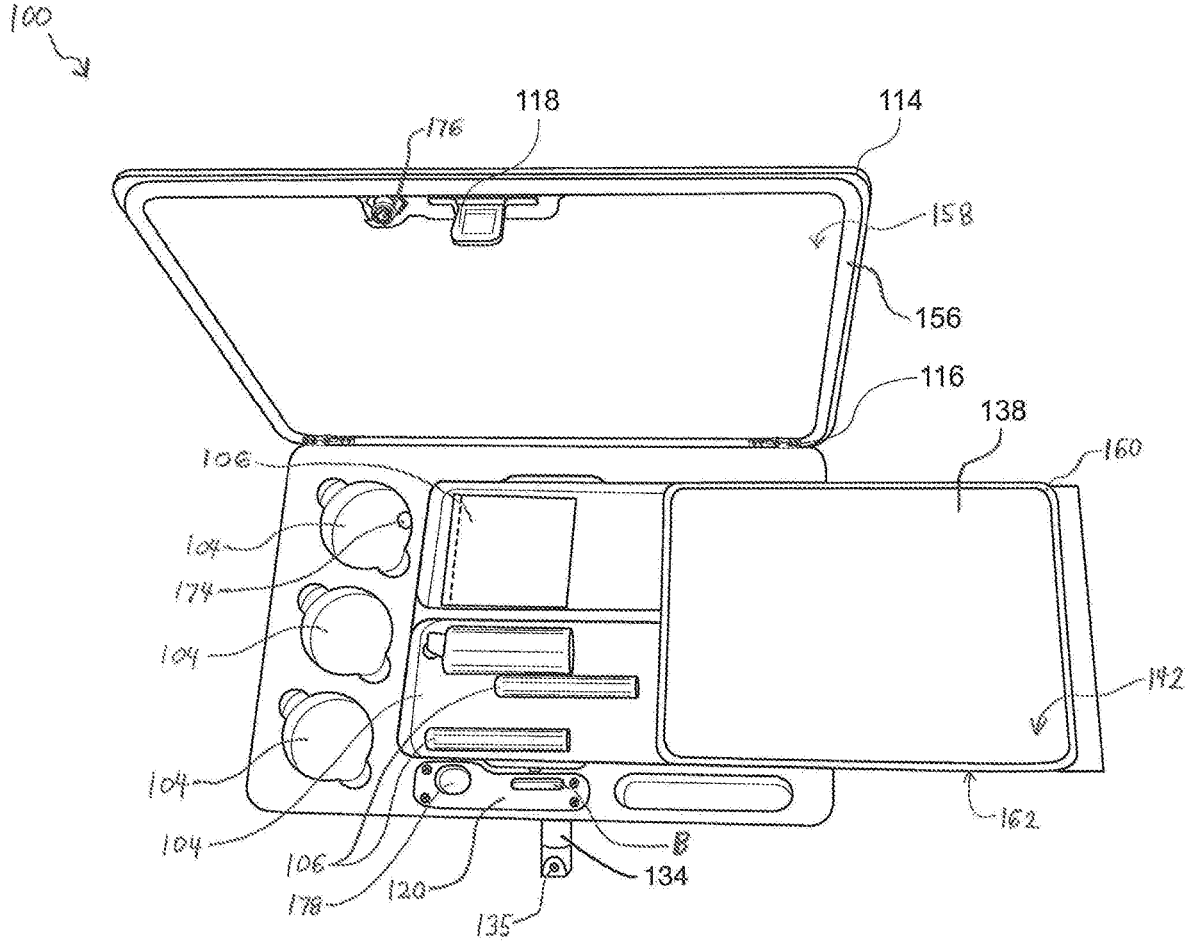

100
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FIG. 8

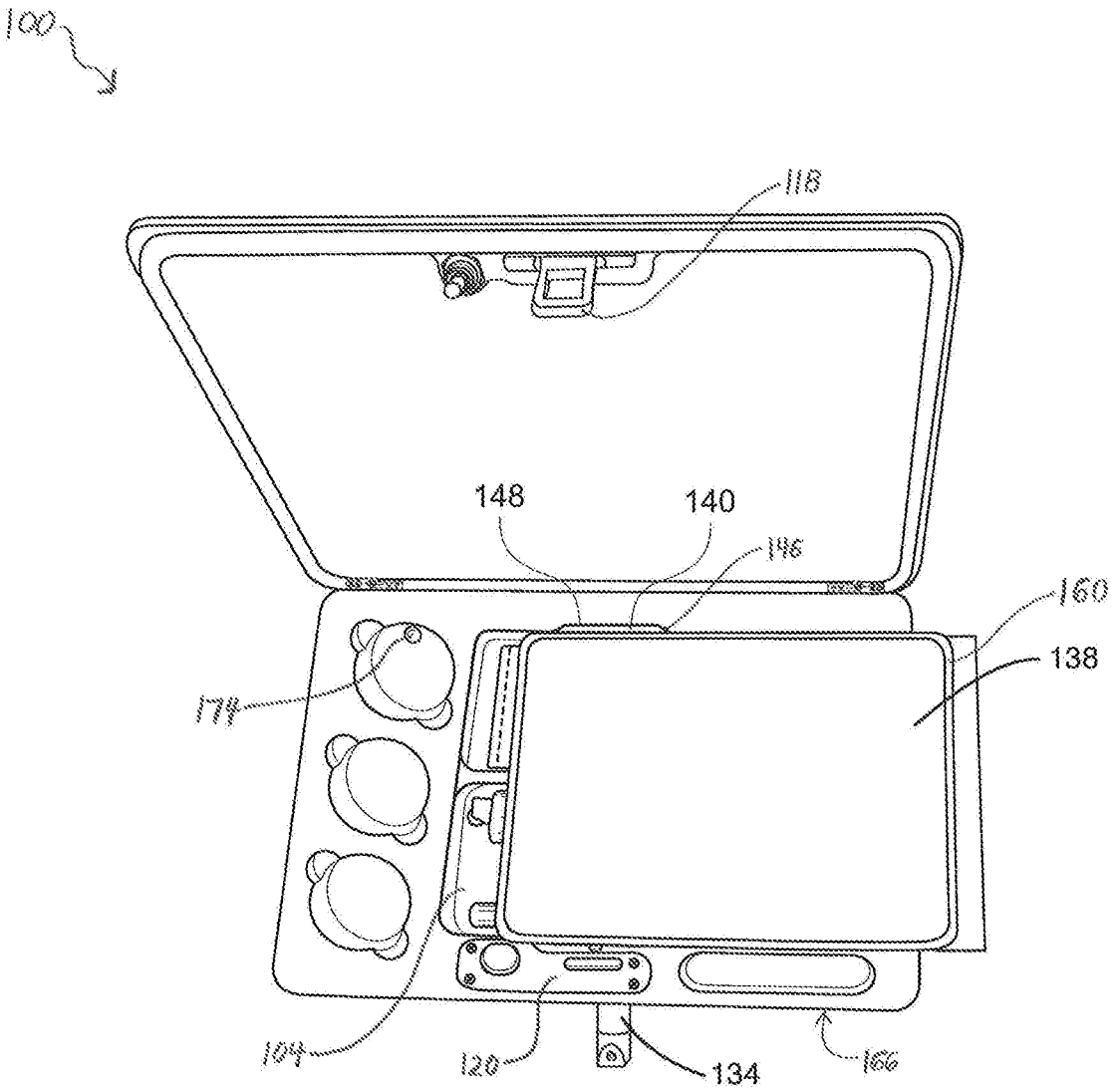

FIG. 9

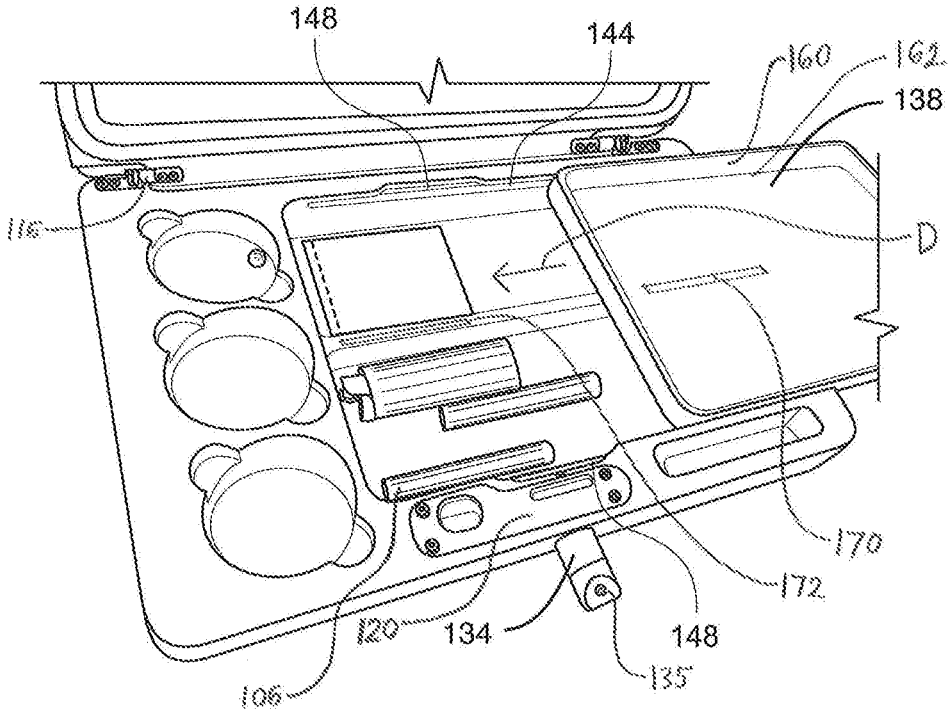
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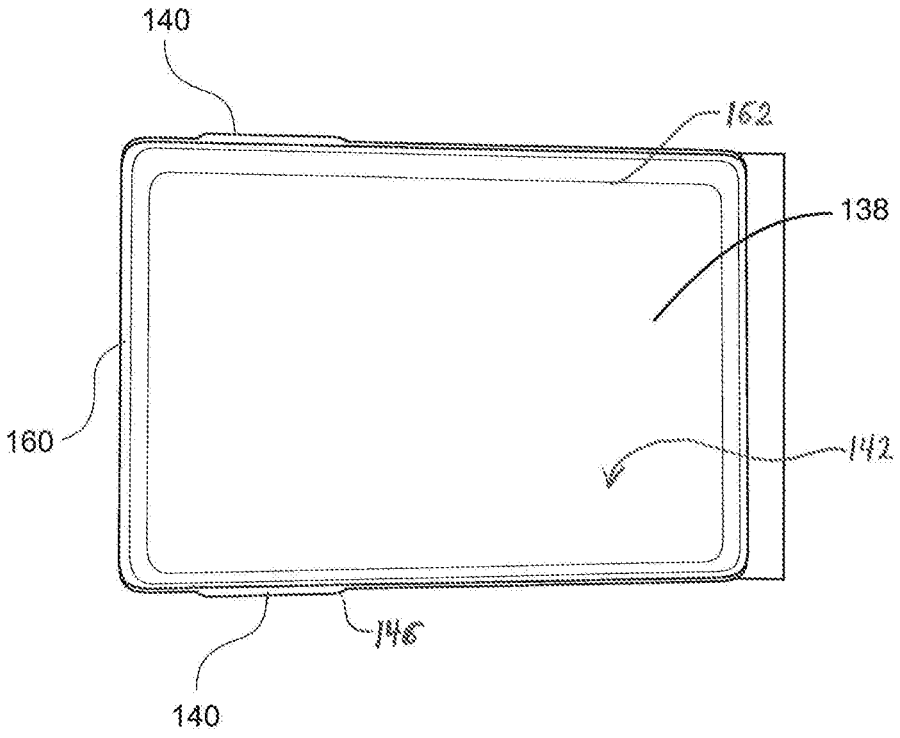
FIG. 10


140
162
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160
142
146
140

FIG. 11

ROLLING TRAY

BACKGROUND OF THE INVENTION

Field of the Invention

[0001] The present invention generally relates to a tray device and more particularly relates to a lockable tray device for storing, carrying and rolling smoking articles.

Description of the Related Art

[0002] With the growing population of smokers rolling and storing smoking articles, a novel apparatus for efficiently and securely storing smoking articles is needed, enabling users to lock smoking articles and store said articles in an airtight apparatus, containing odors and maintaining freshness of the products.

[0003] Over the years, various devices have been made to assist people with smoking articles, including U.S. Patent Application Publication No. 2006/0237026 by Simester discloses a rolling tray for herbs for smoking. The tray includes one or more grooves that allow the user to sort and temporarily store materials in inside the groove of the tray. At least one of these grooves is semi-cylindrical in shape to allow the user to place rolling papers into the grove, place herbs onto the rolling paper, and roll a cigarette into a cylindrical shape. The tray is attached to a pad that allows the rolling tray to rest on the user's lap or table, and remain perpendicular relative to the plane of gravity. However, this device does not provide for effective storing, securing and transporting of smoking articles.

[0004] While conventional units may be suitable for the particular purpose each is employed, they would not be as suitable for the purposes of the present invention as disclosed hereafter.

[0005] Accordingly, there is a need for a compact portable lightweight rolling tray for attending to the storage and preparation of smoking articles in a more convenient, effective and secure manner.

[0006] As disclosed in this application, the inventor has discovered novel and unique devices and methods for efficient and secure storage, transportation, and preparation of smoking articles, which exhibit superlative properties without being dependent on heavy, immobile, expensive or complex components.

[0007] Embodiments of the present invention provide for devices and methods and disclosed herein and as defined in the annexed claims which provide for improved storage, transportation, and security features in order to efficiently store and secure smoking articles of many types, in a discrete manner, for people's enjoyment, health and well-being.

SUMMARY OF THE INVENTION

[0008] It is one prospect of the present invention to provide one or more novel devices of simple but effective construction which can be applied to many environments to efficiently and effectively store, secure, and roll smokable products.

[0009] The following presents a simplified summary of the present disclosure in a simplified form as a prelude to the more detailed description that is presented herein.

[0010] Therefore, in accordance with embodiments of the invention, there is provided a lockable tray device including a housing provided with one or more compartments configured to receive one or more smoking articles such as a grinder, a lighter, tobacco, rolling papers, vape pens, cigarettes, smokable leaf products, and other smoking paraphernalia.

[0011] The housing preferably defines a jam passage extending from a jam entrance opening to a jam install position. A lid is preferably operably connected to the housing and includes a jam extending therefrom. A locking mechanism is preferably fitted within the housing. The locking mechanism preferably includes a latch disposed within the jam passage and the latch is movable between a first position and a second position relative to the housing. In a preferred embodiment, a fixed magnet is disposed within the housing and configured to attract the latch into the first position. The latch is preferably disposed and movable between the fixed magnet and an outer surface of the housing. In a preferred embodiment, the jam is secured to the locking mechanism by inserting the jam into the jam entrance opening and through the jam passage toward a jam locked position, by advancing the jam through the jam passage such that the jam contacts and moves the latch to the second position to clear the jam passage.

[0012] In one embodiment, the jam is configured to clear the passage by overcoming the magnetic attraction between the latch and the fixed magnet.

[0013] In a preferred embodiment, a key is removably connected to an exterior surface of the housing.

[0014] In one embodiment, the key includes a magnet, and the magnet is magnetically attracted to the latch and is configured to move the latch into the second position, clearing the jam passage when the key is connected to an exterior surface of the housing, such that the magnetic attraction of the key overcomes the magnetic attraction of the latch to the fixed magnet.

[0015] In one embodiment, tray device further includes a slidable rolling tray that has at least one flange extending laterally therefrom. The slidable rolling tray preferably has a flat surface configured for rolling of smoking articles. The housing preferably defines at least one fitting groove concavely formed in the housing and configured to receive the at least one flange of the slidable rolling tray.

[0016] In one embodiment, at least a portion of the flange of the slidable rolling tray is geometrically shaped, and an aperture that is defined by the housing and in communication with the fitting groove is defined in a geometrical mating fashion relative to the portion of the geometrically shaped flange, so that the portion of the geometrically shaped flange is removed from the aperture defined by the housing through which the portion of the geometrically shaped flange extends only when the portion of the geometrically shaped flange is in a key-and-lock style alignment with the aperture defined by the housing.

[0017] In one embodiment, the tray device includes a slidable rolling tray comprising at least one pair of flanges extending laterally therefrom. The slidable rolling tray preferably has a flat surface configured for the rolling of smoking articles. Preferably, the housing defines at least one pair of fitting grooves concavely formed in the housing, and the fitting grooves are configured to receive the at least one pair of flanges of the slidable rolling tray.

[0018] In one embodiment, at least a portion of the flanges of the slidable rolling tray is geometrically shaped, and an aperture is preferably defined by the housing in communi-

cation with the fitting grooves. Preferably, the aperture is defined by the housing in a geometrical mating fashion relative to the portion of the geometrically shaped flanges, so that the portion of the geometrically shaped flanges is removed from the aperture defined by the housing through which the portion of the geometrically shaped flanges extend only when the portion of the geometrically shaped flanges are in a key-and-lock style alignment with the aperture defined by the housing.

[0019] In one embodiment, a hinge is pivotably connecting the lid to the housing.

[0020] Preferably, a seal is attached to the lid to keep the housing airtight for conserving the one or more smoking articles and for keeping smells contained within the tray device.

[0021] In one embodiment, the seal is fixed to an inner surface of the lid relative to the housing in order to contain odors and maintain freshness of the smoking articles when contained therein. The seal is preferably configured to prevent airflow into and out of the housing when the lid is closed.

[0022] In yet another embodiment, a rolling tray device for smoking articles is provided, comprising a housing configured for the storage of smoking articles. The housing comprises a body defining compartments and a lid pivotably connected to the body. The housing further defines at least one fitting groove configured to receive at least one flange of a slidable rolling tray. The slidable rolling tray comprises at least one flange extending laterally therefrom and has a flat surface configured for the rolling of smoking articles by a user. Preferably, at least a portion of the flange of the slidable rolling tray is geometrically shaped.

[0023] In a preferred embodiment, an aperture defined by the housing is defined in a geometrical mating fashion relative to the portion of the geometrically shaped flange, so that the portion of the geometrically shaped flange is removed from the aperture defined by the housing through which the portion of the geometrically shaped flange extends only when the portion of the geometrically shaped flange is in a key-and-lock style alignment with the aperture defined by the housing.

[0024] In one embodiment, the slidable rolling tray includes a lip disposed atop the flat surface of the slidable rolling tray, preferably along the outer edges of the slidable rolling tray.

[0025] In a preferred embodiment, the rolling tray device includes a locking mechanism fitted within the housing, and the housing defines a jam passage. Preferably, the locking mechanism includes a latch disposed within the jam passage, and the latch is movable between a first position and a second position relative to the housing. A fixed magnet is disposed within the housing and is configured to attract the latch into the first position. The latch is magnetically attracted to the fixed magnet, which draws the latch into and maintains the latch in the first position. The jam is secured to the locking mechanism by inserting the jam into the jam entrance opening and through the jam passage toward a jam locked position by advancing the jam through the jam passage such that the jam contacts and moves the latch to the second position to clear the jam passage.

[0026] In one embodiment, the tray device includes a key removably connected to an exterior surface of the housing.

[0027] In one embodiment, the key preferably includes a magnet that is magnetically attracted to the latch and is configured to move the latch into the second position, clearing the jam passage to form an unlocked position when the key is connected to the exterior surface of the housing, as the magnetic attraction of the key overcomes the magnetic attraction of the latch to the fixed magnet.

[0028] In one embodiment, the key is a spherically shaped magnet, preferably having the size of a small marble ball. In another embodiment, the key has a body which is a pendant of a bracelet.

[0029] In one embodiment, the key has a body which defines an aperture configured to connect to a key chain or bracelet.

[0030] In one embodiment, the key includes a wooden body comprising a magnet configured to overcome the magnetic attraction between the latch and the fixed magnet to move the latch to the second position when the key contacts the exterior portion of the housing.

[0031] In one embodiment, the key includes a magnet having a strong magnetic attraction that is configured to overcome the magnetic attraction between the latch and the fixed magnet, in order to move the latch to the second position when the key is in close proximity to the exterior portion of the housing.

[0032] In one embodiment, the tray device includes a handle, for example, such as a clutch.

[0033] In one embodiment, the housing defines one or more channels for mounting the housing to a wall.

[0034] In another embodiment, the tray device includes a flat magnet attached to the rolling tray that is configured to magnetically attract to a piece of metal or another magnet disposed on a surface of the housing.

[0035] In yet another embodiment, a tray device is provided including a housing defining one or more compartments that is/are configured to receive one or more articles of jewelry. The housing defines a jam passage extending from a jam entrance opening to a jam install position. A lid is operably connected to the housing and includes a jam extending therefrom. Preferably, a locking mechanism is fitted within the housing and include a latch disposed within the jam passage. The latch is movable between a first position and a second position relative to the housing, such as, movable between a fixed magnet disposed within the housing and an outer surface of the housing.

[0036] A fixed magnet is preferably disposed within the housing and configured to attract the latch into the first position. Preferably, a key is removably connected to an exterior surface of the housing. A slidable tray includes at least one flange extending laterally therefrom and has a flat surface configured for the placement of articles of jewelry. The housing defines at least one fitting groove concavely formed in the housing, and the at least one fitting groove is configured to receive the at least one flange of the slidable tray.

[0037] The jam is preferably secured to the locking mechanism by inserting the jam into the jam entrance opening and through the jam passage toward a jam locked position by advancing the jam through the jam passage such that the jam contacts and moves the latch to said second position to clear the jam passage. The jam is preferably configured to clear the passage by overcoming the magnetic attraction between the latch and the fixed magnet. The key includes a magnet that is preferably magnetically attracted to the latch and is configured to move the latch into the second position clearing the jam passage when the key is connected

to an exterior surface of the housing, because the magnetic attraction of the key overcomes the magnetic attraction of the latch to the fixed magnet.

[0038] These and other features, aspects, and advantages of the present invention will become better understood with reference to the following description and appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0039] Illustrative embodiments of the present invention are described herein with reference to the accompanying drawings, in which like numerals throughout the figures identify substantially similar components, in which:

[0040] FIG. **1** is a front left perspective view of an exemplary rolling tray in accordance with embodiments of the invention;

[0041] FIG. **2** is a front perspective partial view thereof, in accordance with embodiments of the invention;

[0042] FIG. **3** is a top perspective view thereof, in accordance with embodiments of the invention;

[0043] FIG. **4** is a top partial view of the tray device showing a latch in a locked position attracted to a fixed magnet, and showing an exemplary hand of a user holding a key, in accordance with embodiments of the invention;

[0044] FIG. **5** is a top partial view of the tray device showing a latch in an unlocked position where the latch is attracted to a magnetic key that is positioned in close proximity to the tray device, in accordance with embodiments of the invention;

[0045] FIG. **6** is a top view of the tray device showing a latch in an unlocked position where the latch is attracted to a magnetic key that is in contact with an exterior surface of the tray device, in accordance with embodiments of the invention;

[0046] FIG. **7** is a perspective view of a magnetic key in accordance with embodiments of the invention;

[0047] FIG. **8** is a top view of an exemplary rolling tray device in accordance with embodiments of the invention;

[0048] FIG. **9** is a top view of an exemplary rolling tray device in accordance with embodiments of the invention;

[0049] FIG. **10** is a front left perspective partial view of an exemplary rolling tray device showing a slidable tray fitted within a pair of fitting grooves in accordance with embodiments of the invention; and

[0050] FIG. **11** is a top perspective view of an exemplary rolling tray device showing a slidable tray having a flange fitted within an aperture defined by the housing, in accordance with embodiments of the invention.

DETAILED DESCRIPTION

[0051] For a further understanding of the nature and function of the embodiments, reference should be made to the following detailed description. Detailed descriptions of the embodiments are provided herein, as well as, the best mode of carrying out and employing the present invention. It will be readily appreciated that the embodiments are well adapted to carry out and obtain the ends and features mentioned as well as those inherent herein. It is to be understood, however, that the present invention may be embodied in various forms. Therefore, persons of ordinary skill in the art will realize that the following disclosure is illustrative only and not in any way limiting, as the specific details disclosed herein provide a basis for the claims and a representative basis for teaching to employ the present invention in virtually any appropriately detailed system, structure or manner. It should be understood that the devices, materials, methods, procedures, and techniques described herein are presently representative of various embodiments. Other embodiments of the disclosure will readily suggest themselves to such skilled persons having the benefit of this disclosure.

[0052] As used herein, "axis" means a real or imaginary straight line about which a three-dimensional body is symmetrical. A "vertical axis" means an axis perpendicular to the ground (or put another way, an axis extending upwardly and downwardly). A "horizontal axis" means an axis parallel to the ground.

[0053] As used herein, homogeneous is defined as the same in all locations, and a homogeneous material is a material of uniform composition throughout that cannot be mechanically separated into different materials. Examples of "homogeneous materials" are certain types of plastics, ceramics, glass, metals, alloys, paper, board, resins, high-density polyethylene and rubber.

[0054] In accordance with embodiments of the invention, there is provided a rolling tray device for effectively and securely storing smokable articles. Referring initially to FIGS. **1-11**, the basic constructional details and principles of operation of embodiments of lockable tray device **100** according to a preferred embodiment of the present invention will be discussed. Therefore, in accordance with embodiment of the invention, there is provided a lockable tray device **100** preferably including a housing **102** provided with one or more compartments **104** configured to receive one or more smoking articles **106** such as a grinder, a lighter, tobacco, rolling papers, vape pens, cigarettes, smokable leaf products, and other smoking paraphernalia, as illustrated in FIG. **1**. The tray device **100** is preferably constructed of wood, but it may also be constructed of metal, glass, or plastics material suitable for construction.

[0055] Referring to the embodiments illustrated in FIG. **2**, the housing **102** defines a jam passage **108** extending from a jam entrance opening **110** to a jam install position. A lid **114** is preferably operably connected to the housing **102** by a hinge **116**, as illustrated in FIG. **8**. As seen in FIGS. **2-3**, the lid **114** includes a jam **118** extending therefrom. A locking mechanism **120** is preferably fitted within the housing **102**, as illustrated in FIGS. **2-4**. The locking mechanism **120** includes a latch **122** disposed within the jam passage **108** and the latch **122** is movable between a first position A, as illustrated in FIGS. **3-4**, and a second position B, as illustrated in FIG. **5**, relative to the housing **102**. For example, the latch **122** is movable between a fixed magnet **128** disposed within the housing **102** and an outer surface **130** of the housing **102**. In one embodiment, the latch **122** is metal. Preferably, the latch **122** is magnetized. The fixed magnet **128** is disposed within the housing **102** and configured to attract the latch **122** into the first position A.

[0056] Referring to FIG. **2**, the jam **118** is preferably secured to the locking mechanism **120** by moving the lid **114** and jam **118** in the direction of Arrow C and inserting the jam **118** into the jam entrance opening **110** and through the jam passage **108** toward a jam locked position **132** (FIG. **1**) by advancing the jam **118** through the jam passage **108** such that the jam **118** contacts and moves the latch **122** to the second position B to clear the jam passage **108**. When the jam **118** is advanced through the jam passage **108** into the jam locked position, the lid **114** of the tray device **100** is

actually locked to the housing **102** by the locking mechanism **120**. When the lid **114** of the tray device **100** is actually locked to the housing **102** by the locking mechanism **120**, the lid **114** cannot be pivoted open, away from the housing **102**.

[0057] When the lid **114** is locked to the housing **102** by the locking mechanism **120**, a strong magnetic key (e.g., **134** and **136** in FIGS. **5-7**) must preferably be placed in close proximity to the exterior portion **130** of the housing, as illustrated in FIG. **5**, such as, for example, preferably within less than 2 inches, or a magnetic key (e.g., **134** and **136** in FIGS. **5-7**) must preferably be placed against the exterior surface **130** of the housing **102**, as illustrated in FIGS. **6** and **8-9**, in order to unlock the tray device **100**. In such manner, the magnetic attraction of the key **134** overcomes the magnetic attraction of the latch **122** to the fixed magnet **128**, and the latch is moved to the second position B, thereby unlocking the locking mechanism, as illustrated in FIG. **6**.

[0058] In one embodiment, the jam **118** is preferably configured to clear the passage **108** by overcoming the magnetic attraction between the latch **122** and the fixed magnet **128**.

[0059] Referring to FIGS. **6-7**, a key **134** is preferably removably connected to an exterior surface **130** of the housing **102**. The key **134** includes a magnet **136**, and the magnet **136** is magnetically attracted to the latch **122** and is configured to move the latch **122** into the second position B, clearing the jam passage **108** when the key **134** is connected to an exterior surface **130** of the housing **102**, wherein said magnetic attraction of the key **134** overcomes the magnetic attraction of the latch **122** to the fixed magnet **128**, as illustrated in FIG. **6**.

[0060] Referring to FIG. **8**, in one embodiment, the tray device **100** further includes a slidable rolling tray **138** comprising at least one flange **140** (as illustrated in FIG. **11**) extending laterally therefrom. The slidable rolling tray **138** preferably has a flat surface **142** configured for rolling of smoking articles **106**. The housing **102** preferably defines at least one fitting groove **144** concavely formed in the housing **102** and configured to receive the at least one flange **140** of the slidable rolling tray **138**.

[0061] Referring to FIGS. **6** and **9-11**, preferably, at least a portion **146** of the flange **140** of the slidable rolling tray **138** is geometrically shaped, and an aperture **148** is preferably defined by the housing **102** in communication with the fitting groove **144** is defined in a geometrical mating fashion relative to the portion of the geometrically shaped flange **140**, so that the portion of the geometrically shaped flange **140** is removed from the aperture **148** defined by the housing **102** through which the portion **146** of the geometrically shaped flange **140** extends only when the portion **146** of the geometrically shaped flange **140** is in a key-and-lock style alignment with the aperture **148** defined by the housing **102**.

[0062] In one embodiment, the tray device **100** includes a slidable rolling tray **138** comprising at least one pair of flanges **140** extending laterally therefrom, as illustrated in FIG. **11**. The slidable rolling tray **138** preferably has a flat surface **142** configured for a user's rolling of smoking articles **106**, wherein the housing **102** defines at least one pair of fitting grooves **144** concavely formed in the housing **102**, and the pair of fitting grooves **144** are configured to receive and guide the at least one pair of flanges **140** of the slidable rolling tray **138**, as illustrated in FIGS. **6** and **9-11**.

[0063] In one embodiment, at least a portion **146** of the flanges **140** of the slidable rolling tray **138** is geometrically shaped. Referring to FIG. **5**, an aperture **148** is preferably defined by the housing **102** in communication with the fitting grooves **144**, and the aperture **148** is preferably defined in a geometrical mating fashion relative to the portion **146** of the geometrically shaped flanges **140**, so that the portion **146** of the geometrically shaped flanges **146** is removed from the aperture **148** defined by the housing **102** through which the portion **146** of the geometrically shaped flanges **140** extends only when the portion **146** of the geometrically shaped flanges **140** are in a key-and-lock style alignment with the aperture **148** defined by the housing **102**, as illustrated in FIGS. **6** and **9-11**.

[0064] In one preferred embodiment, a hinge **116** pivotally connects the lid to the housing **102**.

[0065] Referring to FIG. **8**, a seal **156** is preferably attached to the lid **114** or to a surface of the housing **102** to keep the housing **102** airtight for conserving the one or more smoking articles **106** and keeping smells contained within the tray device **100**.

[0066] In one embodiment, the seal **156** is fixed to an inner surface **158** of the lid **114**, relative to the housing **102**, as illustrated in FIG. **8**, to contain odors and maintain freshness of the smoking articles **104** when contained therein, when the lid **114** is closed as illustrated in FIG. **1**. The seal **156** is preferably configured to prevent airflow into and out of the housing **102** when the lid **114** is closed.

[0067] In yet another embodiment, a rolling tray device **100** for smoking articles **106** is provided, preferably including a housing **102** configured for the storage of smoking articles **106**. The housing includes a body defining compartments **104** and includes a lid **114** pivotally connected to the body **102**. The housing **102** further defines at least one fitting groove **144** configured to receive at least one flange **140** of a slidable rolling tray **138**. The rolling tray **138** includes at least one flange **140** extending laterally therefrom and having a flat surface **142** configured for rolling of smoking articles **106**. Preferably, at least a portion **146** of the flange **140** of the slidable rolling tray **138** is geometrically shaped. An aperture **148** defined by the housing **102** is preferably defined in a geometrical mating fashion relative to the portion **146** of the geometrically shaped flange **140**, so that the portion **146** of the geometrically shaped flange **140** is removed from the aperture **148** defined by the housing **102** through which the portion **146** of the geometrically shaped flange **140** extends only when the portion **146** of the geometrically shaped flange **140** is in a key-and-lock style alignment with the aperture **148** defined by the housing **102**.

[0068] Referring to FIGS. **8-11**, the slidable rolling tray **138** preferably includes a lip **160** disposed atop the flat surface **142** along the outer edges **162** of the slidable rolling tray **138**.

[0069] In one embodiment, the rolling tray device **100** includes a locking mechanism **120** fitted within the housing **102**. The housing **102** defines a jam passage **108**. The locking mechanism **120** includes a latch **122** disposed within the jam passage **108** and the latch **122** is movable between a first position A and a second position B relative to the housing **102**. Preferably, the latch **122** is magnetized. A fixed magnet **128** is disposed within the housing **102** and configured to attract the latch **122** into the first position A. The jam **118** is be secured to the locking mechanism **120** by inserting the jam **118** into the jam entrance opening **110** and through

the jam passage **108** toward a jam locked position **132** by advancing the jam **118** through the jam passage **108** such that the jam **118** contacts and moves the latch **122** to the second position B to clear the jam passage **108**.

[0070] In one embodiment, the tray device **100** includes a key **134** removably connected to an exterior portion **130** of the housing **102**.

[0071] As seen in FIG. **7**, the key **134** preferably includes a magnet **136** that is magnetically attracted to the latch **122** and is configured to move the latch **122** into the second position B clearing the jam passage **108** to form an unlocked position when the key **134** is connected to the exterior surface **130** of the housing **102**, as illustrated in FIG. **6**, as the magnetic attraction of the key **134** overcomes the magnetic attraction of the latch **132** to the fixed magnet **128**.

[0072] In one embodiment, the key **134** is a spherical magnet.

[0073] In another embodiment, the key **134** is a part of a bracelet.

[0074] In yet another embodiment, the key **134** defines an aperture **135** for a key chain, as illustrated, for example, in FIG. **6**.

[0075] In one embodiment, referring to FIG. **7**, the key **134** includes a wooden body **164** comprising a magnet **136** configured to overcome the magnetic attraction between the latch **122** and the fixed magnet **128** to move the latch **122** to the second position B when the key **134** contacts the exterior portion **130** of the housing **102**. In preferred embodiments, the magnetic force of the key is strong enough to move the latch **122** to the second position B when the key **134** is in close proximity to the exterior portion **130** of the housing **102**, as illustrated in FIG. **5**, such as, for example, within preferably less than 2 inches.

[0076] In one embodiment, the tray device **100** includes a handle attached to one side **166** of the tray device **100**, for example, to enable the device **100** to be used a clutch.

[0077] In another embodiment, the housing **102** defines one or more channels for mounting the housing **102** to a wall.

[0078] Referring to FIG. **10**, the tray device **100** preferably includes a flat magnet **170** attached to the rolling tray **138**, and the flat magnet **170** is configured to magnetically attract to a flat metal plate **172** or (other flat magnet **172**) that is disposed on a surface of the housing **102**, when the rolling tray **138** is slid (in the direction of Arrow D) and positioned above the flat metal plate **172** (or flat magnet **172**). Such magnetic attraction between the flat magnet **170** and the flat metal plate **172** resists unintentional movement between the rolling tray **138** and the housing **102**.

[0079] In yet another embodiment, a locking device **100** includes a housing **102** provided with one or more compartments **104** configured to receive one or more articles of jewelry **174**. The housing **102** defines a jam passage **108** extending from a jam entrance opening **110** to a jam install position **112**. Preferably, a lid **114** is operably connected to the housing **102** and includes a jam **118** extending therefrom. A locking mechanism **120** is preferably fitted within the housing **102** and include a latch **122** disposed within the jam passage **108**. The latch **122** is be movable between a first position A and a second position B relative to the housing **102**, such as movable between a fixed magnet **128** and an outer surface **130** of the housing **102**.

[0080] A fixed magnet **128** is preferably be disposed within the housing **102** and configured to attract the latch **122** into the first position A. A key **134** is preferably be removably connected to an exterior surface **130** of the housing **102**. A slidable tray **138** preferably includes at least one flange **140** extending laterally therefrom and preferably has a flat surface **142** configured for articles of jewelry **174**. The housing **102** defines at least one fitting groove **144** concavely formed in the housing **102** and configured to receive the at least one flange **140** of the slidable tray **138**.

[0081] The jam **118** is preferably secured to the locking mechanism **120** by inserting the jam **118** into the jam entrance opening **110** and through the jam passage **108** toward a jam locked position **132** by advancing the jam **118** through the jam passage **108** such that the jam **118** contacts and moves the latch **122** to said second position B to clear the jam passage **108**. The jam **118** is preferably configured to clear the passage **108** by overcoming the magnetic attraction between the latch **122** and the fixed magnet **128**. The key **134** preferably includes a magnet **136** that is magnetically attracted to the latch **122** and is configured to move the latch **122** into the second position B clearing the jam passage **108** when the key **134** is connected to an exterior surface **130** of the housing **102**, wherein the magnetic attraction of the key **134** overcomes the magnetic attraction of the latch **122** to the fixed magnet **128**.

[0082] In one embodiment, the lockable tray device **100** includes a first locking mechanism **120** on one side of the device **100** (as shown in FIG. **9**) and includes a second locking mechanism **120** preferably on the other side of the device **100**, and the lockable tray device **100** includes a lid **114** with a first jam **118** on one side of the lid **114** (as shown in FIG. **9**) and includes a second jam **118** preferably on the other side of the lid **114**, such that the lid **114** can be pressed downward onto the housing **102** and locked to the housing **102** via insertion of the two jams **118** into the two respective locking mechanisms **120**. In such embodiment, a first key **134** and a second key **134** would be placed against the respective exterior surface area **130** of the housing **102** adjacent to the respective locking mechanism **120** in order to move the two respective latches **122** of the locking mechanisms **120** into the second position B, respectively, in order to unlock the locking mechanisms **120** and remove the lid **114** from the housing **102**. In other embodiments, the lockable tray device **100** includes three or four locking mechanisms **120** and three or four respective jams **118**.

[0083] In one embodiment, as illustrated in FIGS. **2** and **8**, the tray device **100** includes a keyed twist lock **176** attached to the lid **114**, and the housing **102** defines an opening **178** configured to receive the keyed twist lock **176**, to lock the device **100** against opening of the lid **114**, when it is closed. Through embodiments disclosed herein, such keyed twist lock **176** tricks unauthorized or undesired persons from knowing how to unlock the tray device **100**, when the tray device **100** is actually locked by the locking mechanism **120**.

[0084] Except as may be expressly otherwise indicated, the article "a" or "an" if and as used herein is not intended to limit, and should not be construed as limiting, the description or a claim to a single element to which the article refers. Rather, the article "a" or "an" if and as used herein is intended to cover one or more such elements, unless the text expressly indicates otherwise.

[0085] This invention is susceptible to considerable variation within the spirit and scope of the appended claims.

The claimed invention is:

1. A lockable tray device comprising:

a housing provided with one or more compartments configured to receive one or more smoking articles, said housing defining a jam passage extending from a jam entrance opening to a jam install position;

a lid operably connected to the housing, said lid comprising a jam extending therefrom;

a locking mechanism fitted within the housing, said locking mechanism comprising a latch disposed within the jam passage, said latch movable between a first position and a second position relative to the housing; and

a fixed magnet disposed within the housing and configured to attract the latch into the first position;

wherein the jam is secured to the locking mechanism by inserting said jam into the jam entrance opening and through the jam passage toward a jam locked position by advancing the jam through said jam passage such that the jam contacts and moves the latch to said second position to clear the jam passage.

2. The tray device of claim **1**, wherein the jam is configured to clear the passage by overcoming the magnetic attraction between the latch and the fixed magnet.

3. The tray device of claim **1**, further comprising a key removably connected to an exterior surface of the housing.

4. The tray device of claim **3**, wherein the key comprises a magnet, wherein said magnet is magnetically attracted to the latch and is configured to move the latch into the second position clearing the jam passage when the key is connected to an exterior surface of the housing, wherein said magnetic attraction of the key overcomes the magnetic attraction of the latch to the fixed magnet.

5. The tray device of claim **1**, further comprising a slidable rolling tray comprising at least one flange extending laterally therefrom, said slidable rolling tray having a flat surface configured for rolling of smoking articles, wherein the housing defines at least one fitting groove concavely formed in the housing and configured to receive the at least one flange of the slidable rolling tray.

6. The tray device of claim **5**, wherein at least a portion of the flange of the slidable rolling tray is geometrically shaped, and an aperture defined by the housing in communication with the fitting groove is defined in a geometrical mating fashion relative to the portion of the geometrically shaped flange, so that the portion of the geometrically shaped flange is removed from the aperture defined by the housing through which the portion of the geometrically shaped flange extends only when the portion of the geometrically shaped flange is in a key-and-lock style alignment with the aperture defined by the housing.

7. The tray device of claim **1**, further comprising a slidable rolling tray comprising at least one pair of flanges extending laterally therefrom, said slidable rolling tray having a flat surface configured for rolling of smoking articles, wherein the housing defines at least one pair of fitting grooves concavely formed in the housing and configured to receive the at least one pair of flanges of the slidable rolling tray.

8. The tray device of claim **7**, wherein at least a portion of the flanges of the slidable rolling tray is geometrically shaped, and an aperture defined by the housing in communication with the fitting grooves is defined in a geometrical mating fashion relative to the portion of the geometrically shaped flanges, so that the portion of the geometrically shaped flanges is removed from the aperture defined by the housing through which the portion of the geometrically shaped flanges extend only when the portion of the geometrically shaped flanges are in a key-and-lock style alignment with the aperture defined by the housing.

9. The tray device of claim **1**, further comprising a hinge pivotably connecting the lid to the housing.

10. The tray device of claim **1**, further comprising a seal attached to the lid to keep the housing airtight for conserving the one or more smoking articles.

11. The tray device of claim **10**, wherein the seal is fixed to an inner surface of the lid relative to the housing to contain odors and maintain freshness of the smoking articles when contained therein.

12. A rolling tray device for smoking articles comprising:

a housing configured for the storage of a plurality of smoking articles, said housing comprising a body defining compartments and a lid pivotably connected to the body, said housing defining at least one fitting groove configured to receive at least one flange of a slidable rolling tray;

a slidable rolling tray comprising at least one flange extending laterally therefrom, said slidable rolling tray having a flat surface configured for rolling of smoking articles;

wherein at least a portion of the flange of the slidable rolling tray is geometrically shaped, and an aperture defined by the housing is defined in a geometrical mating fashion relative to the portion of the geometrically shaped flange, so that the portion of the geometrically shaped flange is removed from the aperture defined by the housing through which the portion of the geometrically shaped flange extends only when the portion of the geometrically shaped flange is in a key-and-lock style alignment with the aperture defined by the housing.

13. The rolling tray device of claim **12**, wherein the slidable rolling tray further comprises a lip disposed atop the flat surface along the outer edges of the slidable rolling tray.

14. The rolling tray device of claim **12**, further comprising a locking mechanism fitted within the housing, said housing defining a jam passage, said locking mechanism comprising a latch disposed within the jam passage, said latch movable between a first position and a second position relative to the housing; and

a fixed magnet disposed within the housing and configured to attract the latch into the first position;

wherein the jam is secured to the locking mechanism by inserting said jam into the jam entrance opening and through the jam passage toward a jam locked position by advancing the jam through said jam passage such that the jam contacts and moves the latch to said second position to clear the jam passage.

15. The tray device of claim **14**, further comprising a key removably connected to an exterior surface of the housing.

16. The tray device of claim **15**, wherein the key comprises a magnet, wherein said magnet is magnetically attracted to the latch and is configured to move the latch into the second position clearing the jam passage to form an unlocked position when the key is connected to the exterior surface of the housing, wherein said magnetic attraction of the key overcomes the magnetic attraction of the latch to the fixed magnet.

17. The tray device of claim **15**, wherein the key is a spherical magnet.

18. The tray device of claim **15**, wherein the key is a pendant of a bracelet.

19. The tray device of claim **15**, wherein the key defines an aperture for a key chain.

20. The tray device of claim **15**, wherein the key comprises a wooden body comprising a magnet configured to overcome the magnetic attraction between the latch and the fixed magnet to move the latch to the second position when said key contacts the exterior portion of the housing.

21. The tray device of claim **15**, wherein the key comprises a magnet configured to overcome the magnetic attraction between the latch and the fixed magnet to move the latch to the second position when said key is in close proximity the exterior portion of the housing.

22. The tray device of claim **12**, further comprising a handle.

23. The tray device of claim **12**, wherein the housing further defines channels for mounting the housing to a wall, with picture/artwork on an exterior surface of the tray device positioned opposite sail wall.

24. The tray device of claim **12**, further comprising a magnet attached to the rolling tray configured to magnetically attract to a magnet on a surface of the housing.

25. The tray device of claim **20**, wherein the wooden body defines an aperture configured for attachment to a enchain or a bracelet.

26. A locking device comprising:

a housing provided with one or more compartments configured to receive one or more articles of jewelry, said housing defining a jam passage extending from a jam entrance opening to a jam install position;

a lid operably connected to the housing, said lid comprising a jam extending therefrom;

a locking mechanism fitted within the housing, said locking mechanism comprising a latch disposed within the jam passage, said latch movable between a first position and a second position relative to the housing;

a fixed magnet disposed within the housing and configured to attract the latch into the first position;

a key removably connected to an exterior surface of the housing; and

a slidable rolling tray comprising at least one flange extending laterally therefrom, said slidable rolling tray having a flat surface configured for articles of jewelry, wherein the housing defines at least one fitting groove concavely formed in the housing and configured to receive the at least one flange of the slidable rolling tray;

wherein the jam is secured to the locking mechanism by inserting said jam into the jam entrance opening and through the jam passage toward a jam locked position by advancing the jam through said jam passage such that the jam contacts and moves the latch to said second position to clear the jam passage;

wherein the jam is configured to clear the passage by overcoming the magnetic attraction between the latch and the fixed magnet;

wherein the key comprises a magnet, wherein said magnet is magnetically attracted to the latch and is configured to move the latch into the second position clearing the jam passage when the key is connected to an exterior surface of the housing, wherein said magnetic attraction of the key overcomes the magnetic attraction of the latch to the fixed magnet.

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