Feb. 15, 1938. A. F. REILLY 2,108,445

RECEPTACLE

Filed May 21, 1937

Fig. 1.

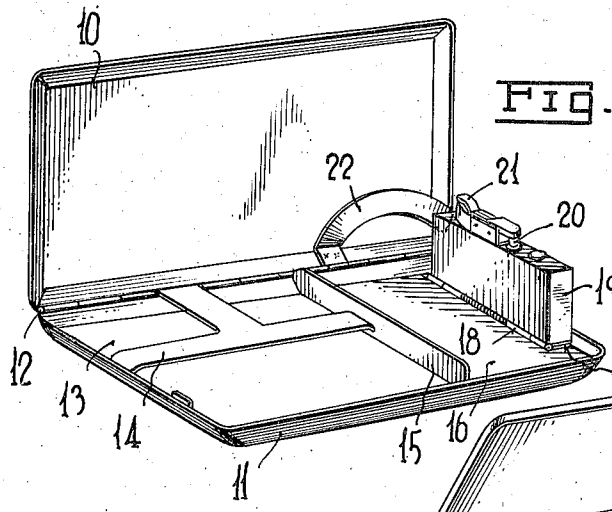


Fig. 2.

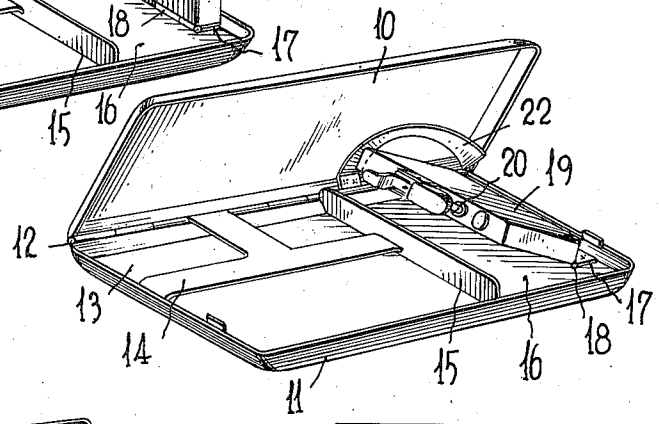


Fig. 3.

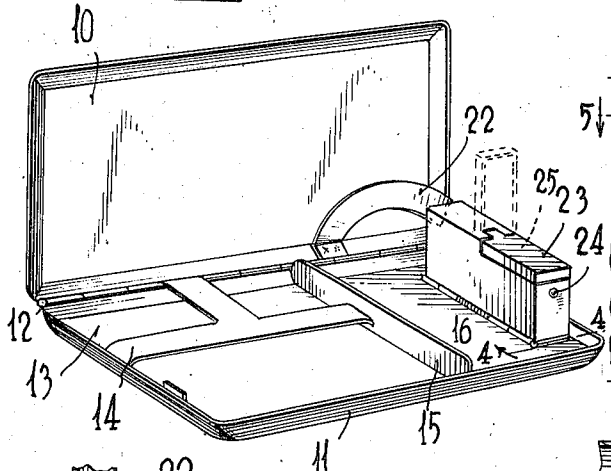


Fig. 4.

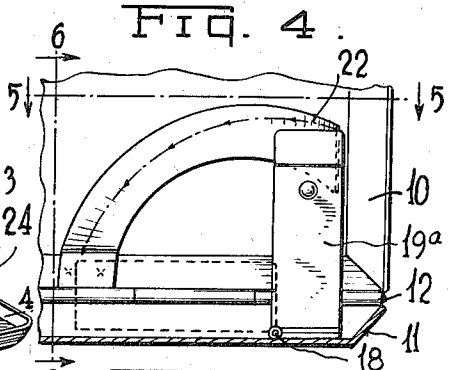


Fig. 5.

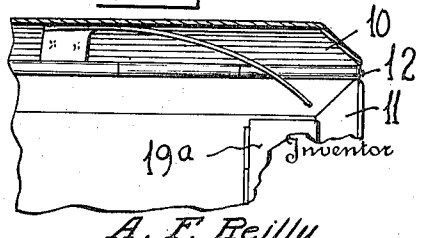
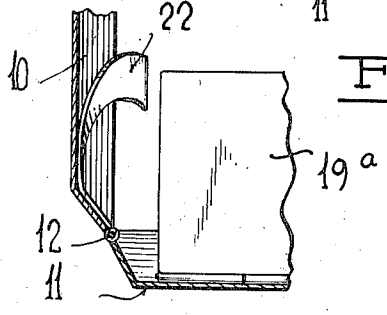


Fig. 6.



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UNITED STATES PATENT OFFICE

2,108,445

RECEPTACLE

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Application May 21, 1937, Serial No. 144,066

11 Claims. (Cl. 206—41.4)

The subject of the present invention is an enclosure which may carry a lighter of some type preferably in association with a compartment for carrying cigarettes or the like.

The present invention contemplates a device which in its preferred form when closed may be smooth, uniform and regular in outline as distinguished from the combination cigarette case and lighter in which the lighter and its manipulating mechanism is exposed. Preferably the case will consist of two unit members which may be smooth and regular on their outer surface. On the inside of one member may be mounted a lighter in such a way that when the case is opened the lighter will be erect and available for use. Means will preferably be provided for causing the lighter to turn to be readily and entirely enclosed by the case as the case itself is closed.

The specific form of lighter employed forms no part of the present invention, nor is it essential that the case itself be of any particular size, shape or contour.

In the accompanying drawing Figure 1 is a perspective view of an open receptacle provided with a lighter. Fig. 2 is a similar perspective view showing the case partially closed and the lighter partially turned to its final position. Fig. 3 is a perspective view similar to Fig. 1 showing another type of lighter in an open case or receptacle. Fig. 4 is a fragmentary sectional view on the line 4—4 of Fig. 3. Figs. 5 and 6 are fragmentary sectional views on the lines 5—5 and 6—6 respectively of Fig. 4.

As illustrated the receptacle comprises two hinged members. The member 10 may be referred to as the cover and the member 11 may be referred to as the base. The members are hinged together at 12 and at one end of the base member is provided a section 13 in which the cigarettes for instance may be held by the usual presser member 14 carried by the hinge 12. At its end the section 13 may be provided with a dividing member 15 beyond which is a section 16. The dividing member 15 tends to keep the cigarettes in place and out of the way of the moving lighter and also tends to keep the fumes or liquid from the lighter from affecting the cigarettes. Toward the end of the section 16 is fastened one leaf 17 of a spring hinge 18. The other leaf of the spring hinge 18 may be fastened to or may form the bottom of a lighter 19. The arrangement may be such that the lighter 19 in the open position of the receptacle is held upright or substantially at right angles to the bottom member 11, and preferably the lighter will be so held in very close engagement with the adjacent end of the base member 11. Such an arrangement insures the lighter when ignited being as far as possible from the cigarettes in the compartment 13. As illustrated the spring of the hinge 18 tends to keep the two leaves of the hinge together and so holds the lighter 19 in the upright position. It will be noted that not only is the lighter mounted toward the end of the base member 11 but it is also so arranged that the ignitible member 20 is so placed that the sparks induced by manipulation of the thumb piece 21 are directed away from the inner side or hinge of the receptacle 12. It will be noted that the hinge 18 is illustrated with the leaves extending from the pintle toward the end of the base member 11 but this is not essential to the present invention.

A resilient member 22 is carried by the cover member 10, being illustrated as fastened at one end near the hinge 12 at the edge of the member 10. The resilient member 22 may be of any suitable shape. It is illustrated as shaped substantially like the arc of a circle. As illustrated more distinctly in Figs. 5 and 6 the resilient member 22 is mounted so that its free end extends away from the cover member 10. It is so positioned that its end is normally substantially parallel to but out of contact with the outer edge of the lighter 19. When, however, the cover member 10 is turned upon its hinge 12 the extending free end of the member 22 engages the lighter 19 and by its resilient contact causes the lighter 19 to turn on its hinge 18 so that it finally reaches a substantially horizontal position when the receptacle is in closed position. In this position the resiliency of the member 22 allows it to give and let the members 10 and 11 come into final closed position in which they may be held if desired by any suitable means such as the catches (not shown) which are well known in the art. It will be understood that as the member 22 moves with the cover 10 it causes the portion of the lighter 19 which it engages to move in more or less of an arc with the pintle of the hinge 18 as the center. For this reason it is sufficient for the member 22 to be substantially arc shaped as shown, although of course a larger or different shaped member might be employed. For convenience and so as to avoid marring the finish or defacing the coating of the parts it may be convenient to arrange the device so that the member 22 engages only the back outer corner of the lighter as in the arrangement shown.

In Figs. 1 and 2 is illustrated a lighter of the

usual spark and fuel type. The present invention may also be readily adapted to a lighter of the catalytic type as illustrated in Fig. 3 in which the lighter 19a has a cover 23 which may be released by pressure on the button 24 so as to expose the lighter 25 or the catalytic member. In mounting such a lighter it is possible to place the operating member 24 at the outer edge of the base member 11 and thus any inconvenience which may be due to having the thumb piece 21 near the cover member 10 may be avoided.

As shown the hinge 18 is at substantially a right angle to the hinge 12 and the member 22 while moved with the cover 10 about the axis of the hinge 12 causes the lighter to turn about the axis of the hinge 18. The specific arrangement, angle and location of the hinge 18 like the form, arrangement and location of the member 22 may be varied, as may other parts of the receptacle, without departing from the present invention.

I claim as my invention:

1. A receptacle comprising two members hinged together, a lighter carried by one member, means on said member for holding the lighter at approximately 90° to the member, and a curved spring on the other member to engage the lighter and cause it to be substantially parallel to the first member as the receptacle closes.

2. A receptacle comprising two members hinged together, a lighter carried by one member, a spring hinge on said member for holding the lighter at approximately 90° to the member, and a curved spring on the other member and projecting therefrom to engage the lighter and cause it to be substantially parallel to the first member as the receptacle closes.

3. A receptacle comprising two members, a hinge connecting the members together, a second hinge having a leaf attached to one member and having its pintle at right angles to the pintle of the first hinge, a lighter mounted on one leaf of the second hinge, a spring tending to keep the leaves of the second spring in position to hold the lighter at right angles to the said member, means on the other member engaging the lighter and causing it to be substantially parallel to the first member as the receptacle is closed.

4. A receptacle comprising two members, a hinge connecting the members together, a second hinge having a leaf attached to one member and having its pintle at right angles to the pintle of the first hinge, a lighter mounted on one leaf of the second hinge, a spring tending to keep the leaves of the second spring in contact with each other, means on the other member engaging the lighter and causing it to separate the leaves of the said second hinge as the receptacle is closed.

5. A receptacle comprising two members, a hinge connecting the members together, a second hinge having a leaf attached to one member and having its pintle at right angles to the pintle of the first hinge, a lighter mounted on one leaf of the second hinge with its operating mechanism away from the first hinge, a spring tending to keep the leaves of the second spring in position to hold the lighter at right angles to its supporting member; means on the other member engaging the lighter and causing it to move the lighter to a position substantially parallel to its supporting member as the receptacle is closed.

6. A receptacle comprising two members, a hinge connecting the members together, a second hinge having a leaf attached to one member and having its pintle at right angles to the pintle of the first hinge, a lighter mounted on one leaf of the second hinge, a receptacle for cigarettes separated from the lighter, a spring tending to keep the leaves of the second spring in position to hold the lighter at right angles with its supporting member, means on the other member engaging the lighter and causing it to move toward a position substantially parallel to its supporting member as the receptacle is closed.

7. A receptacle comprising two members, a hinge connecting the members together, a second hinge having a leaf attached to one member near its end and having its pintle at right angles to the pintle of the first hinge, a lighter mounted on one leaf of the second hinge between the hinge pintle and the end of the member, a spring tending to keep the leaves of the second hinge in position to hold the lighter at right angles with its supporting member, means on the other member engaging the lighter and causing it to move the leaf of the said second hinge carrying the lighter to a position where the lighter is substantially parallel to its supporting member as the receptacle is closed.

8. A receptacle comprising two members, a hinge connecting the members together, a second hinge having a leaf attached to one member near its end and having its pintle at right angles to the pintle of the first hinge, a lighter mounted on one leaf of the second hinge, between the hinge pintle and the end of the member and with its igniting element away from the first hinge, a spring tending to keep the leaves of the second spring in position to support the lighter at right angles to its supporting member, a curved spring on the other member projecting therefrom and engaging the lighter and causing it to move to a position substantially parallel to its supporting member as the receptacle is closed.

9. A receptacle comprising two members, a hinge connecting the members together, a lighter carried at one end of one member with its igniting element away from the hinge, means for holding the lighter at approximately 90° to the member, a curved resilient device on the other member and standing away therefrom and normally out of contact with the lighter but engaging the lighter and causing it to turn away from the end of its supporting member to a position substantially parallel to the first member as the receptacle is closed.

10. A receptacle comprising two members hinged together, a lighter carried at one end of one member, a hinge on said member the pintle of the hinge being at right angles to the hinged joint and adapted for holding the lighter at approximately 90° to the member, and means on the other member to engage the lighter and cause it to turn away from the end of the member to be substantially parallel to the first member as the receptacle closes.

11. A receptacle comprising two members, a hinge connecting the members together, a lighter, a hinge on the member carrying the lighter the pintle of the hinge being at right angles to the hinged joint and adapted for carrying the lighter with its igniting element away from the hinge, means for holding the lighter at approximately 90° to the member, a device on the other member and normally out of contact with the lighter but engaging the lighter and causing it to turn away from the end of its supporting member to a position substantially parallel to the first member as the receptacle is closed.

ALFRED F. REILLY.