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M. BAILLOD, KNOWN AS CERNY

2,174,373

FASTENING DEVICE

Filed June 28, 1938

FIG. 1

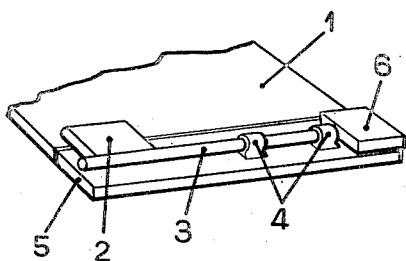


FIG. 2

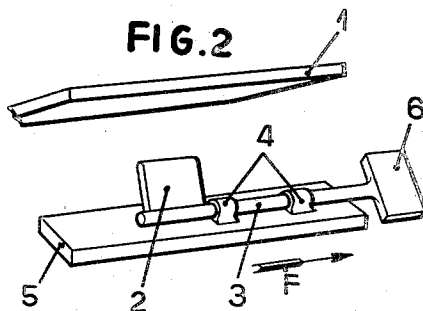


FIG. 3

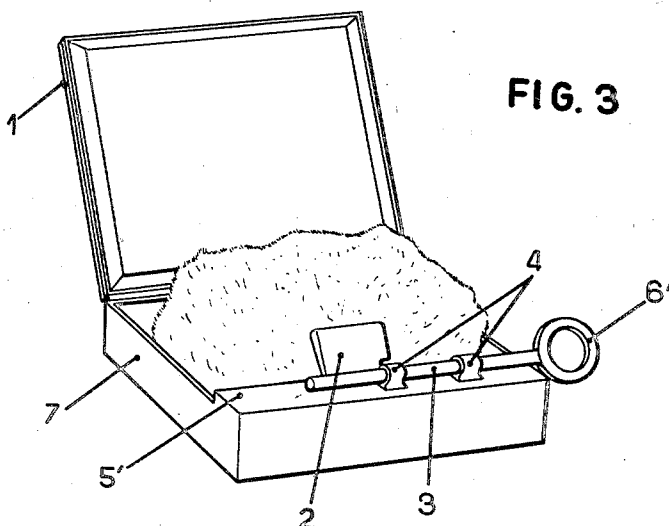
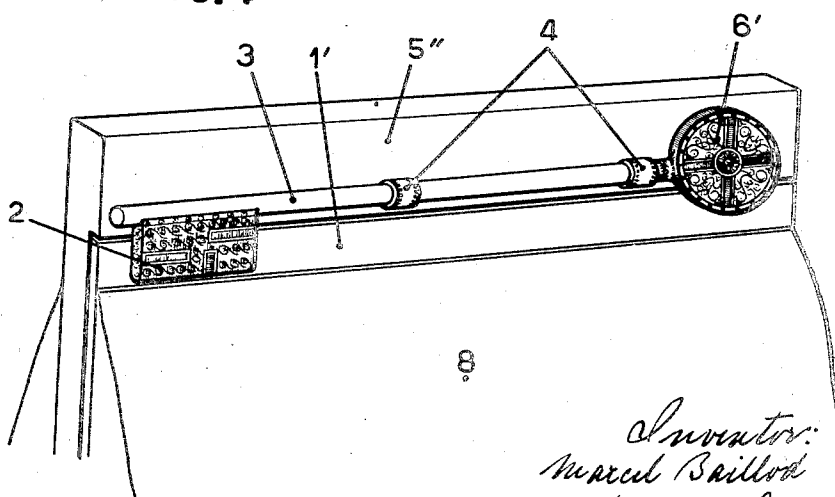


FIG. 4



Inventor:
 Marcel Baillo
 known as Cerny
 By E. F. Wendroth atty

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FASTENING DEVICE

Marcel Baillo, known as Cerny, Paris, France

Application June 28, 1938, Serial No. 216,366

In France April 1, 1938

4 Claims. (Cl. 292—57)

The present invention has for its object a novel fastening device which is capable of numerous applications (powder boxes, ladies' hand-bags, cigarette cases, sweetmeat boxes, confectionery boxes, etc.).

The novel fastening device is essentially characterized by the combination, with the movable portion (lid, jaw of frame, etc.) of the article which is to receive the device, of a bolt secured to the end of a rod which is adapted to slide and pivot in one or a plurality of guides fixed on a plate that is secured to (or integral with) the fixed part of the article, the other end of said rod carrying a transverse locking part which (in the locked position) comes into contact with the surface of the aforesaid plate and prevents the rod and the bolt from pivoting.

The opening of the device which is the object of the invention is obtained by means of a simple sliding movement of the aforesaid rod relatively to the plate, in such a manner that the transverse locking part, which overhangs the plate in question, can pivot freely and enable the rod and consequently the bolt to pivot freely so that the latter can release the lid, the frame jaw, etc. (which is optionally subjected to the action of a spring) and with which it was engaged for obtaining the fastening.

In the accompanying drawing have been shown diagrammatically and by way of non-limitative examples, on the one hand the general means which is the object of the invention, and on the other hand two applications of the novel fastening device.

Fig. 1 is a perspective view of the hole of the component elements of the fastener, in the locked position;

Fig. 2 is a similar view to Fig. 1, the various elements being in the open position;

Fig. 3 is a perspective view showing the application of the novel fastening device to a powder box;

Finally, Fig. 4 is a perspective view of a bag frame provided with the novel fastening device.

As can be seen in Figs. 1 and 2 of the accompanying drawing, the novel device is essentially characterized by the combination, with the movable part 1 (for example a lid 1) of the article which is to receive the device, of a bolt 2 that is secured to a rod 3 which is adapted to slide and pivot in guides 4 fixed on a plate 5 which is secured to (or integral with) the article provided with the fastening, the other end of said rod carrying a transverse locking part 6 which, in the locking position (Fig. 1), is in contact with

the upper surface of the plate 5. It will immediately be seen that, in this position, the lid 1 is held by the bolt 2 substantially flush with the plate 5.

When the rod 3 is slid in the direction of the arrow F, the transverse locking part 6 is released from the locking action of the plate 5 and, being then free to pivot, allows the rod 3 and consequently the bolt 2 to pivot, so that the latter releases the lid 1 which is subjected, for example, to the action of a spring.

The novel fastening device can receive very varied applications (powder boxes, ladies' hand-bags, cigarette cases, sweetmeat boxes, confectionery boxes, etc., etc.), the fastening device may have any dimensions and any ornamental shapes.

By way of a non-limitative example, Fig. 3 shows the application of the novel fastening device to a powder box. In this example, the bolt-rod-transverse locking part assembly has been given the shape of a round key, the ring 6' of which performs the function of a transverse locking part; the plate is formed by the part 5' of the case 7, the lid 1 of which is subjected to the action of a spring.

The term "round key" used in the specification and claims is the recognized designation of a particular type of key, such a key being illustrated at Figs. 5 and 6 of page 106 of "Locks and Builders' Hardware" by Henry R. Towne, published 1904 at New York by John Wiley and Sons.

In the application of the device to bags, which is shown in Fig. 4, the plate is formed by a flat part 5'' of a jaw of the frame of the bag 8, the other jaw of said mounting co-operating with the ornamented bolt 2 of the fastening device, the other component elements of which have been designated by the same reference numerals as previously.

In a modification, a recess may be provided in the plate, which recess enables the transverse locking part to pivot when the rod of the device is slid into the opening position.

It is obvious that the exemplary embodiments and applications of the novel fastening device, which have been described above and illustrated in the accompanying drawing, are only given by way of indication and are non-limitative, it being possible for the novel fastening system to be subjected to any modifications of detail and to receive any other applications than those specified, without exceeding the spirit of the invention.

What I claim is:

1. In a container of the type having a receiver and a cover, said receiver having an opening to

receive and be closed by said cover, and said cover being pivotally mounted on one side of said receiver; a fastening arrangement attached to another side of said receiver removed from
 5 said pivot mount, said arrangement including aligned spaced sleeve bearing means mounted upon said receiver in parallelism to said pivot mount, a rod fitted in and sliding in said bearing means, each end of the rod being provided
 10 with lateral enlargements, the enlargement on the inside end extending only on one side of the axis of the rod and the enlargement on the outside end extending on both sides of the axis of the rod, said enlargements all lying in substantially
 15 the same plane, both enlargements overlying a side of the container and at least one of said enlargements serving to hold said cover closed in and against said opening when said rod is in its inward position, said outside enlargement being adapted for projection beyond
 20 the container, and thereby being free to rotate when in such projected position, whereby said cover may be lifted to uncover said opening when said enlargement holding said cover closed is
 25 rotated out of said closing position.

2. In a container of the type having a receiver and a cover, said receiver having an opening to receive and be closed by said cover, and said cover being pivotally mounted on one side of said
 30 receiver; a fastening arrangement attached to another side of said receiver removed from said pivot mount, said arrangement including aligned spaced sleeve bearing means mounted upon said receiver in parallelism to said pivot mount, a rod
 35 fitted in and sliding in said bearing means, each end of the rod being provided with lateral enlargements, the enlargement on the inside end extending only on one side of the axis of the rod and the enlargement on the outside end extending
 40 ing on both sides of the axis of the rod, said enlargements all lying in substantially the same plane, both enlargements overlying a side of the container and at least one of said enlargements serving to hold said cover closed in and against
 45 said opening when said rod is in its inward position, said outside enlargement being adapted for projection beyond the container, and thereby being free to rotate when in such projected position, whereby said cover may be lifted to uncover
 50 said opening when said enlargement holding said cover closed is rotated out of said closing position, said sleeve bearing means being provided with two spaced aligned sleeve bearing elements and serving as inside and outside stops to limit
 55 the reciprocating movement of said rod.

3. In a container of the type having a receiver and a cover, said receiver having an open-

ing to receive and be closed by said cover, and said cover being pivotally mounted on one side of said receiver; a fastening arrangement attached to another side of said receiver removed from said pivot mount, said arrangement including aligned spaced sleeve bearing means mounted
 5 upon said receiver in parallelism to said pivot mount, a rod fitted in and sliding in said bearing means, each end of the rod being provided with lateral enlargements, the enlargement on the inside end extending only on one side of the axis of
 10 the rod and the enlargement on the outside end extending on both sides of the axis of the rod, said enlargements all lying in substantially the same plane, both enlargements overlying a side of the container and at least one of said enlargements serving to hold said cover closed in and
 15 against said opening when said rod is in its inward position, said outside enlargement being adapted for projection beyond the container, and thereby being free to rotate when in such projected position, whereby said cover may be lifted to uncover said opening when said enlargement holding said cover closed is rotated out of
 20 said closing position, said rod and enlargements taking the form of a round key.

4. In a container of the type having a receiver and a cover, said receiver having an opening to receive and be closed by said cover, and said cover being pivotally mounted on one side of said
 30 receiver; a fastening arrangement attached to another side of said receiver removed from said pivot mount, said arrangement including aligned spaced sleeve bearing means mounted upon said receiver in parallelism to said pivot mount, a
 35 rod fitted in and sliding in said bearing means, each end of the rod being provided with lateral enlargements, the enlargement on the inside end extending only on one side of the axis of the rod and the enlargement on the outside end extending
 40 ing on both sides of the axis of the rod, said enlargements all lying in substantially the same plane, both enlargements overlying a side of the container and at least one of said enlargements serving to hold said cover closed in and against
 45 said opening when said rod is in its inward position, said outside enlargement being adapted for projection beyond the container, and thereby being free to rotate when in such projected position, whereby said cover may be lifted to uncover
 50 said opening when said enlargement holding said cover closed is rotated out of said closing position, said enlargements taking the form of plates at the inside and outside ends of the rod.

MARCEL BAILLOD, KNOWN AS CERNY.