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(54) **Magnetic attraction type stationery case.**

(57) A stationery case includes a container (3) covered with a pivoted cover (1) with an actuating lever (2) retained therebetween. Through the pivoted motion of the pivoted cover, the actuating lever is driven to rotate within the container permitting the magnet (5) or the like, which is attached to the actuating lever at the front, to pick up writing materials for use.

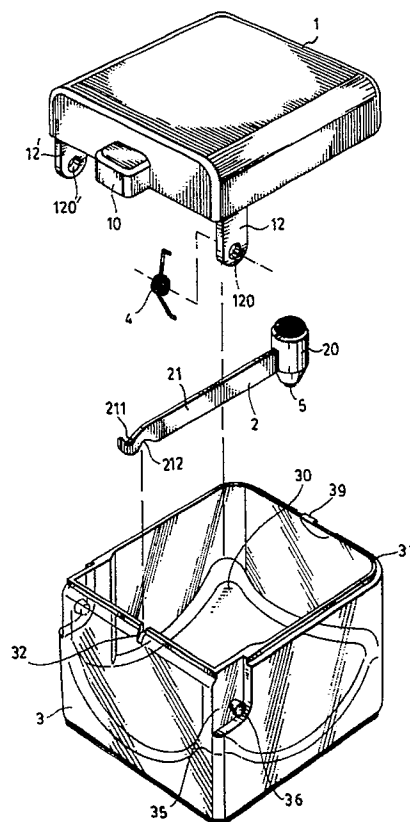


Fig. 1

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BACKGROUND OF THE INVENTION

Following technology development, any consumer goods which are more practical and convenient in use would become more acceptable to consumers, and innovative design would be more attractive to induce people to buy. For example, for arrangement of writing materials, such as clips, paper pins, ... etc., consumers may require a device to contain such writing materials so that they can be conveniently picked up for use. For handling paper documents, various writing materials may be used to clip, clamp or bind up papers so as to keep them firmly in place. Regular writing materials are normally made of metal material. When a variety of writing materials are put together in a container, they may be disorderly disposed. Thus, one may take a lot of time to select a specific one from the disorderly disposed writing materials in such a container, and one may be easily hurt by the sharp-pointed ends of the writing materials therein during picking. There is a kind of magnetic attraction type stationery case for conveniently arranging writing materials, which includes a casing having a round hole on the top with a circular magnet or the like internally made around such a round hole. When in use of such a magnetic attraction type stationery case, the top round hole of the stationery case is blocked up with one hand and then turned upside-down permitting some pieces of writing materials which are received in the stationery case to be attracted by the magnet or the like for ready use. This invention is related to an improvement made on the above-mentioned magnetic attraction type stationery case. According to the present invention, a magnetic attraction type stationery case includes an actuating lever set in a container covered with a movable cover permitting a retaining portion and a stop portion of such an actuating lever to match with such a movable cover so that the front magnetic end of such an actuating lever can provide an attractive force to pick up writing materials from the container for ready use.

Embodiments of the present invention will be described by way of example, with reference made to the annexed drawings, in which:

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective fragmentary view of a magnetic attraction type stationery case embodying the present invention;

Fig. 2 is a perspective sectional assembly view of the present invention in a normal position;

Fig. 3 is a schematic drawing of the present invention, in which the pivoted cover is pressed downward and the actuating lever is disposed in

a horizontal position; and

Fig. 4 is another schematic drawing of the present invention, in which the pivoted cover is completely closed up with the container, and the actuating lever is rotated downward to attract writing materials.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Turning now to the annexed drawings in greater detail and first referring to Fig. 1, therein illustrated is a stationery case embodying the present invention and generally comprised of a pivoted cover (1), an actuating lever (2), a container (3), and one pair of torsion springs (4).

The container (3) of the present invention is made through shape molding process defining therein a storage space and comprising a curved bottom surface (30) to guide writing materials to gather up in the center thereof, a setback flange 31 on the top, a notch 32 on the top flange 31 at one side in the middle, two opposite recesses 35 at both lateral sides relative to such a notch 32, two pins 36 respectively on the two opposite recesses 35, and a resilient convex retaining strip (39) on the top opposite to said notch (32).

The actuating lever (2) of the present embodiment is generally comprised of a front cylinder (20), which has a magnetic iron (5) attached thereto at its bottom (through tenon-and-groove, or adhesive connection), coupled with an extension rod 21, which comprises a unitary arch-shaped retaining portion 211 and a stop portion 212 near such a retaining portion 211. During assembly, the stop portion 212 is seated in the notch 32 of the container 3.

The pivoted cover (1) of the present embodiment is pivoted to the container (3) at the top and comprises a pair of lugs (12) and (12') downwardly extending therefrom at both lateral sides corresponding to the two opposite recesses (35) of the container, and a holder plate (10) transversely extending therefrom at one lateral side and disposed between such a pair of lugs (12) and (12'), wherein the lugs (12) and (12') each has thereon a hole (120) or (120'), and the holder plate (10) has a hole on its bottom for receiving the retaining portion (211) of the actuating lever (2). After two torsion springs (4) are respectively mounted on the pins (36) of the two opposite recesses (35) of the container (3) during assembly and the stop portion (212) of the actuating lever (2) is seated in the notch (32) of the container, the pivoted cover (1) is mounted on the container (3) and the two pins (36) of the container (3) are respectively inserted in the holes (120) and (120') of the two lugs (12) and (12'), permitting the retaining portion (211) of the

actuating lever (2) to insert in the hole (11) of the holder plate (10). When the pivoted cover (1) is closed up with the container (3), it will be firmly retained by the resilient convex retaining strip (390 of the container (3).

Referring to Figs. 2 through 4, where they show various actions of the operation of the present invention. Fig. 2 shows the present invention in a normal position. Through the connection of the lugs (12) and (12') of the pivoted cover (1) with the pins (36) of the container (3) and the effect of the two torsion springs (4), the pivoted cover (1) is lifted to an upper position. At the same time, the holder plate (10) of the pivoted cover (1) forces the retaining portion (211) of the extension rod (21) of the actuating lever (2) to move downward. Because the stop portion (212) of the actuating lever (2) is seated in the notch (32) of the container (3), the actuating lever (2) is simultaneously driven by the pivoted cover (1) to lift and to carry writing materials (clips or pins) for use through the attractive force of its magnet or the like (5). As shown in Fig. 3, when the pivoted cover (1) is pressed downward, the edge of the hole (11) of the holder plate (10) is displaced from the rear end of the retaining portion (211) of the actuating lever (2) to the middle, and the actuating lever (2) is horizontally disposed in parallel with the top edge of the container (3). As soon as the pivoted cover (1) is completely closed up with the container (3), the edge of the hole (11) is driven to move along the retaining portion (211), and the torque is changed according to the position change of the retaining portion (211). Therefore, the actuating lever (2) is permitted to rotate within a wider range.

a pivoted cover pivoted to said container at the top and comprising a pair of lugs having received therein a pair of torsion springs for insertion therethrough of the pins of said two opposite recesses of said container, a holder plate having a hole on its bottom for receiving said retaining portion of said actuating lever.

Claims

1. A magnetic attraction type stationery case, including:

a container is made through shape molding process defining therein a storage space for receiving therein writing materials and comprising two opposite recesses at both lateral sides, said two opposite recesses each comprising an unitary pin raising therefrom, a notch made on the top of the side wall thereof in the middle between said two opposite recesses;

an actuating lever comprising a front cylinder coupled with an extension rod, said front cylinder having a magnet or the like attached thereto at its bottom, said extension rod comprising an unitary arch-shaped retaining portion and a stop portion near said retaining portion said actuating lever 15 being received in said container with said stop portion seated in said notch of said container; and

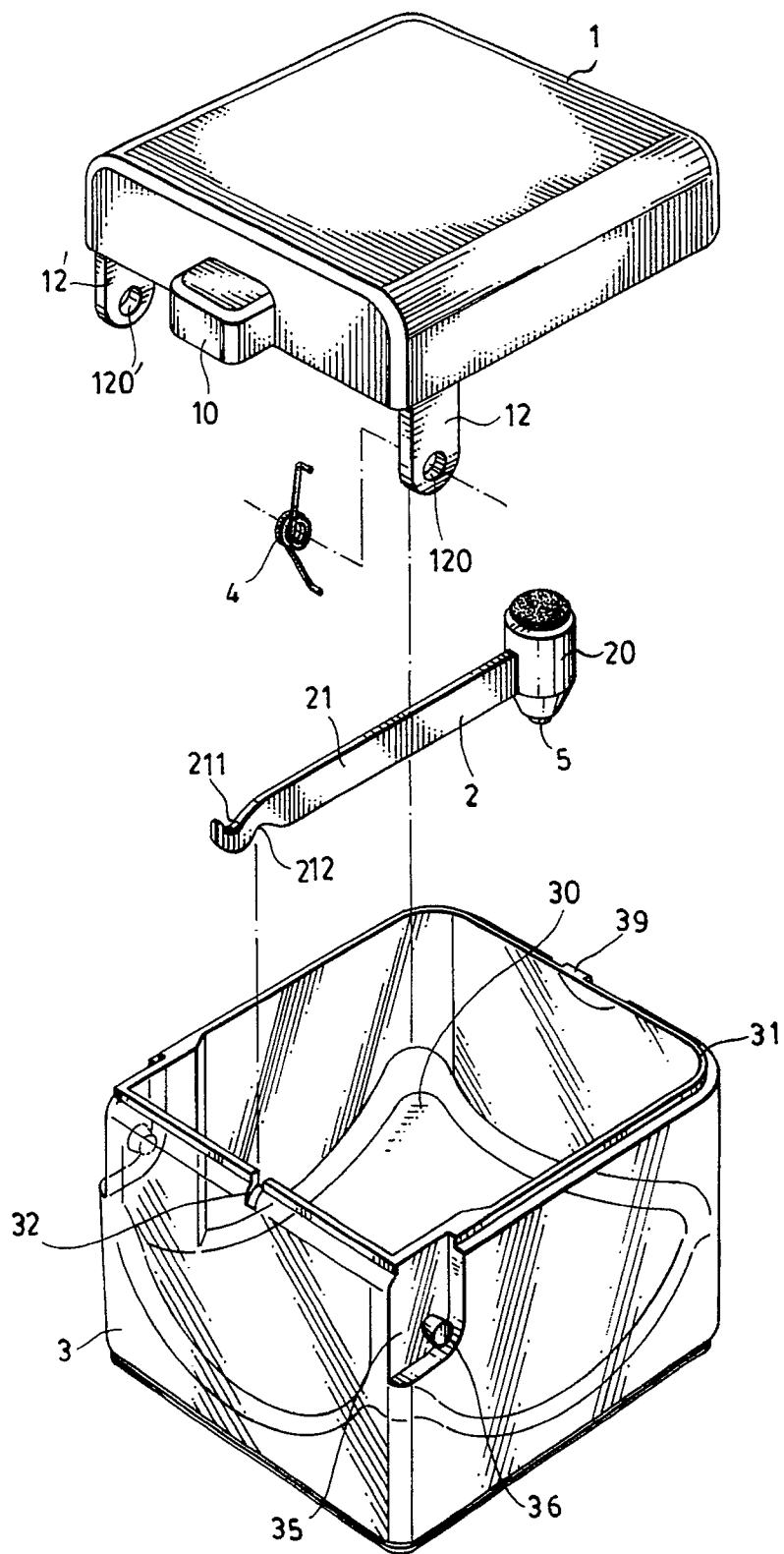


Fig. 1

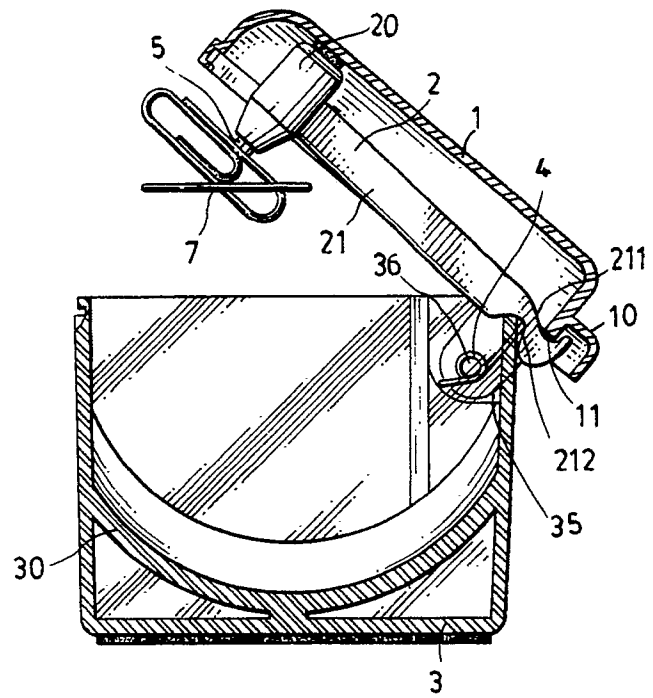


Fig. 2

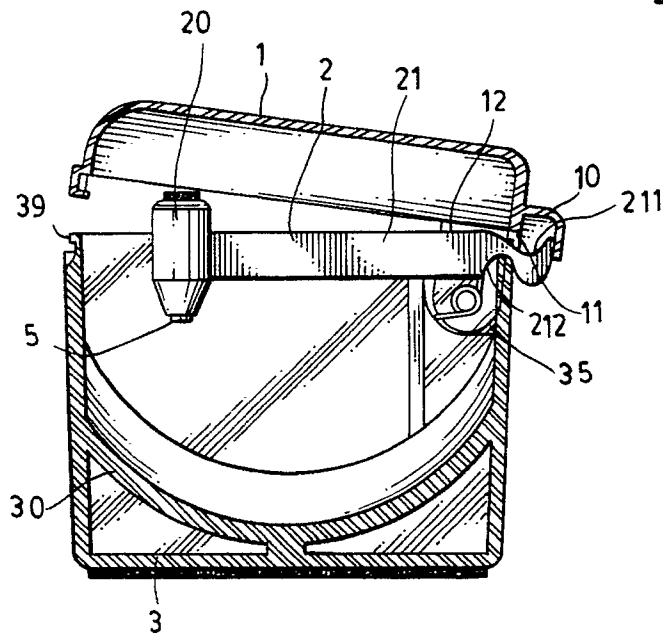


Fig. 3

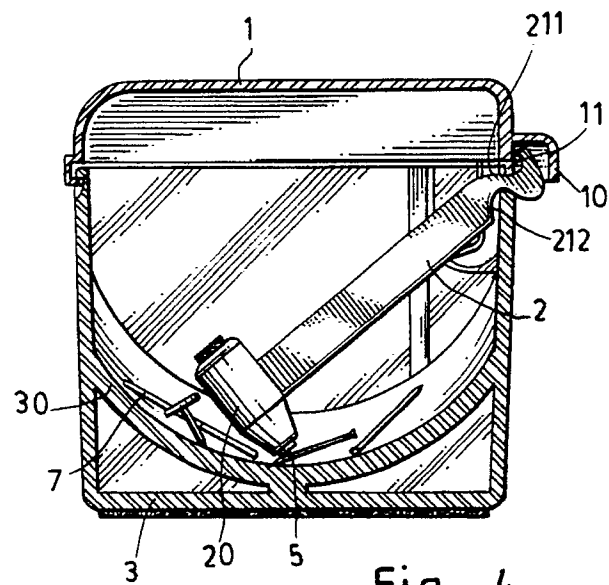


Fig. 4



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EUROPEAN SEARCH REPORT

Application Number

EP 90 10 7298

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	DE-U-8 815 554 (HSU) * claim 1 * -- --	1	B 43 M 17/00
A	DE-U-8 700 053 (DAHLE) * claims 1-4 * -- -- -- --	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 43 M
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 04 December 90	Examiner LAMMINEUR P.C.G.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document			