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(54) **ANTI-THEFT CASE FOR AMUSEMENT AND GAME OF CHANCE MACHINES**

**DIEBSTAHLGESCHÜTZTER BEHÄLTER FÜR VERGNÜGEN UND SPIEL VON  
GLÜCKSSPIELAUTOMATEN**

**MEUBLE ANTIVOL POUR MACHINES RECREATIVES ET DE HASARD**

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## Description

### Object of the Invention

**[0001]** As indicated by the title, the present invention relates to an anti-theft cabinet for entertainment and slot machines, which has been conceived and carried out to obtain a number of considerable anti-vandalism and anti-theft advantages.

**[0002]** The cabinet is provided for protecting different parts of entertainment and slot machines: sides and rear part, and especially to safeguard the coin collection box and the front door by means of cylinder locks with double-acting cam-operated latches, such that no lever forces can be carried out on either the cabinet or on said machines. The cylinders provided are identical to those used for entertainment and slot machines, such that people involved in the industrial use of the machine (owner, maintenance technician, etc) can open the locks of the anti-theft cabinet and of the machines with a single key.

### Background of the Invention

**[0003]** No other devices that are similar to the present invention applied to this type of machines are currently known. Document ES-10570760 discloses an anti-theft cabinet designed to protect the coin collection box in entertainment and slot machines.

### Description of the Invention

**[0004]** The invention relates to a U-shaped cabinet with a front door reaching about mid-height, intended to safeguard the coin collection box inside this type of machines. Furthermore, in the same front part it has two arms encircling the upper front part of the machine and which by means of a double articulation enables separating said arms from the front part which, together with the aforementioned collapsible door, also collapsed, leave the front space free for putting the machine in the cabinet and taking it out. Once said machine is inside the cabinet, both the upper arms and the lower door are returned to their closed position.

**[0005]** The mechanism intended to lock the arms and the door consists of a cylinder which, by means of a double-acting cam, is able to move latches by means of a steel wire, this wire transmits the lever force produced in the cam located in the shaft of the cylinder to the moving latches locking the door and the arms. Said latches remain inserted in guides which, in the case of the door are tubes and in the case of the arms are notches made in the flat bars of said arms.

### Brief Description of the Drawings

**[0006]**

Figure 1 shows an isometric perspective view of the

cabinet with the arms and the door in the locked position.

Figure 2 shows a profile elevational view of the cabinet, in which the situation of the mechanisms placed in the arms and in the door for the locking thereof can be seen.

Figure 3 shows a detailed view of the mechanism for actuating the two moving latches at the same time by means of a cylinder for locking or unlocking the arms. This view shows the mechanism in its two locked and unlocked states.

Figure 4 shows a detailed view of the mechanism for actuating the two moving latches at the same time by means of a cylinder for locking or unlocking the lower door of the cabinet.

### Description of a Preferred Embodiment

**[0007]** Figures 1 and 2 show how the cabinet is formed by a U-shaped sheet steel envelopment (1) 3 mm thick, having a geometry that is suited to the outer dimensions of this type of machines supported by four legs (5). Two weldable hinges (6) are welded to this sheet envelopment which allow the articulation of the lower door (2) in which a lever cylinder lock (14) with a double-acting cam (10) is assembled for locking said door, which is what protects the door of the coin collection box of the entertainment and slot machines from lever actions and theft. The door is locked (Figure 4) by means of transmitting linear movement through a steel wire (11) 2.7 mm in diameter, the ends of which are hook-shaped, produced by a 90° turn of a double-acting cam (10) operated by a cylinder (14) which is normally used in this type of machines. However, when this double-acting cam (10) turns about its axis, it moves each of the two wires (11) in opposite directions, moving latches (12) through guides (13), until being housed inside other guides, the latter being welded to the envelopment of the cabinet, the door being locked at the top and bottom with a simple 90° turn of the key on the cylinder.

**[0008]** Furthermore, 2 arms have been provided in the upper front part of the cabinet, the upper arm (4) with a depth that is less than the lower arm (3), which is because of the outer dimensions of this type of machines. These two arms are attached to the cabinet on the left side with a bolt (8) welded to the cabinet, but not to the arm, acting as a hinging pin for each of the arms, thus obtaining a vertical rotational movement of the arm in relation to the cabinet. Each arm has a hinge (7) welded to the left flat bar of the arm and to the front flat bar in the case of the lower arm (3), and to the round rod in the case of the upper arm (4). A horizontal 180° rotational movement is obtained with this hinge such that the two arms can be separated from the front part of the cabinet, collapsed towards the left (movement allowed by the hinge) and supported downwards (movement allowed by the bolt welded to the cabinet functioning as a hinging pin for the arm).

[0009] A mechanism identical to the door mechanism has been provided so as to lock the two arms simultaneously, but the guides in which the latches are housed to lock the door have been replaced with notches made in the flat bars of the right part of the arms (Figure 3).

## Claims

1. An anti-theft cabinet for entertainment and slot machines, intended to protect the coin collection box of the entertainment and slot machines from vandalistic actions and theft, provided with a lower housing and collapsible arms (3, 4) in the upper part, with the lower housing consisting of a U-shaped envelopment body: (1) and also provided with locking mechanisms for the arms (3, 4), **characterized in that** said body (1) is closed at the front by a collapsible door (2), **in that** the mentioned arms (3, 4) of the upper front part can collapse in both horizontal and vertical planes as a result of providing a hinge (7) intercalated between the branches of each arm, and a pin for linking each arm to the structure of the machine, and **in that** said locking mechanisms also operate on the lower door (2) in the closed situations, each of these mechanisms being formed by a double-acting cam (10) actuated by a cylinder (14), by means of which movement is transmitted to two latches (12) which are guided through a respective sleeve (13), through wires (11) with hook-shaped ends which move each of said latches in opposite direction with respect to one another, all these mechanisms being able to be actuated by means of the same key used for opening or closing the door of the coin collection box or the main door of the entertainment and slot machine.

## Patentansprüche

1. Diebstahlsicheres Möbelstück für Spiel- und Glücksspielautomaten, welches dazu bestimmt ist, das Münzsammelfach vor Diebstählen und Vandalakten zu schützen, welches mit einem unteren Gehäuse und im oberen Teil klappbaren Armen (3, 4) versehen ist, wobei das untere Gehäuse aus einem U-förmigen, umhüllenden Körper (1) besteht, und auch mit Blockiermechanismen für die Arme (3, 4) versehen ist, **dadurch gekennzeichnet, dass** der genannte Körper (1) frontal mittels einer klappbaren Tür (2) geschlossen ist; dass die erwähnten Arme (3, 4) des oberen frontalen Teils in beiden Ebenen, horizontal und vertikal, eine Klappbarkeit dank des Vorsehens eines zwischen den Abzweigungen jedes Arms eingeschobenen Scharniers (7) aufweist, und einen Bolzen, um jeden Arm mit der Struktur des Automaten zu verbinden; und dass die genannten Blockiermechanismen im geschlossenen Zustand

auch auf die untere Tür (2) einwirken, wobei jeder dieser Mechanismen durch eine doppelt wirkende Nocke (10) gebildet ist, die durch einen Zylinder (14) angetrieben ist, durch die eine Bewegung auf zwei Riegel (12) übertragen wird, welche durch Drähte (11) mit hakenförmigen Enden durch eine jeweilige Hülse (13) geführt sind, welche jeden der genannten Riegel bezüglich des anderen in entgegengesetzter Richtung bewegen, wobei all diese Mechanismen durch denselben Schlüssel angetrieben werden können, der zum Öffnen und Schließen der Tür des Münzsammelfachs oder der Haupttür des Spiel- oder Glücksspielautomaten verwendet wird.

## Revendications

1. Un meuble antivols pour machines de jeux électroniques et jeux de hasard, destiné à la protection du coffre monnayeur vis à vis de vols et d'actions de vandalisme, pourvu d'un logement inférieur et de bras (3, 4) rabattables sur la partie supérieure, le logement inférieur consistant en un corps (1) enveloppant sous forme de U, et pourvu également de mécanismes de verrouillage pour les bras (3, 4), **caractérisé en ce que** ledit corps (1) est fermé frontalement par le biais d'une porte (2) rabattable; **en ce que** lesdits bras (3, 4) de la partie avant supérieure présentent une rabattabilité sur les deux plans horizontal et vertical grâce à la provision d'une charnière (7) intercalée entre les branches de chaque bras, et une chenille pour relier chaque bras avec la structure de la machine; et **en ce que** lesdits mécanismes de verrouillage agissent aussi sur la porte (2) inférieure dans la condition fermée, chacun de ces mécanismes étant formé par une came (10) à double effet commandée par un cylindre (14), au moyen de laquelle on transmet le mouvement aux deux verrous (12) qui sont guidés par une douille (13) respective, à travers des fils de fer (11) avec les extrémités sous forme de crochet qui bougent chacun desdits verrous en direction opposée par rapport à l'autre, tous ces mécanismes étant susceptibles d'actionnement au moyen de la même clé utilisée pour ouvrir et fermer la porte du coffre monnayeur ou la porte principale de la machine de jeux électroniques et de jeux de hasard.

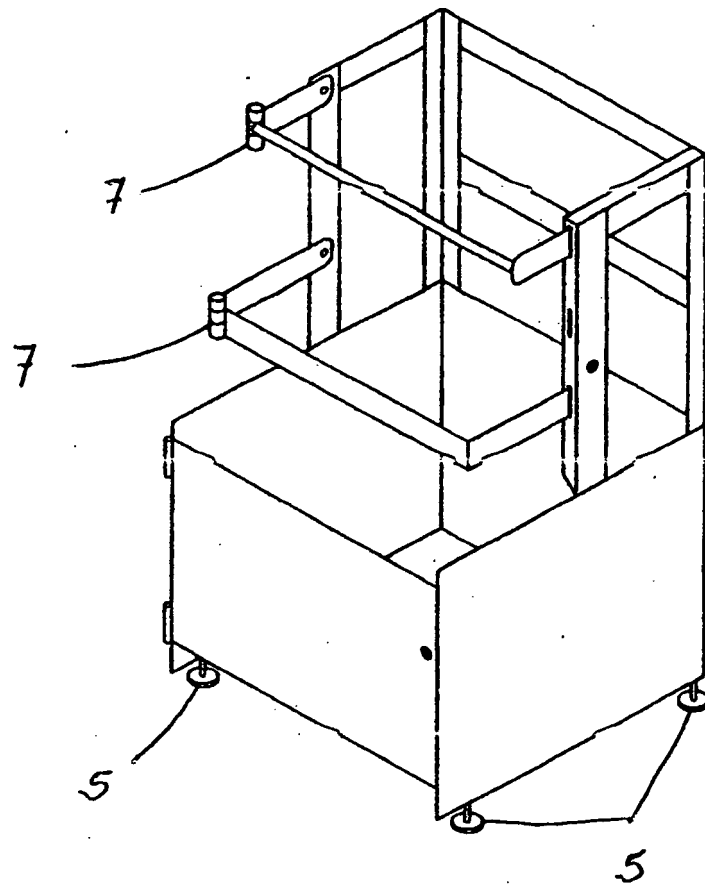


FIG. 1

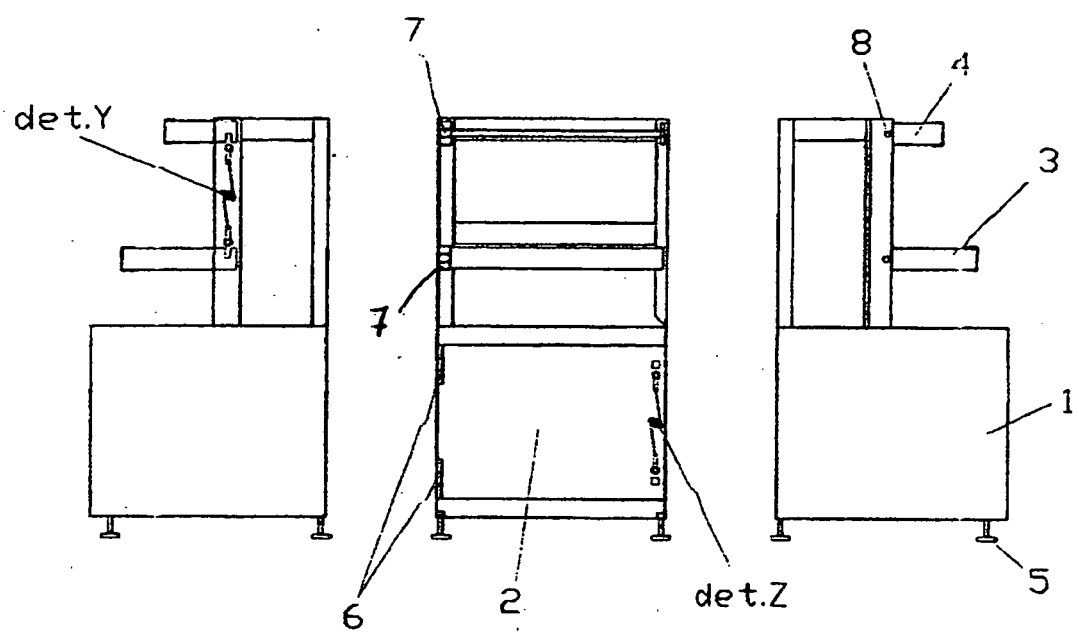


FIG. 2

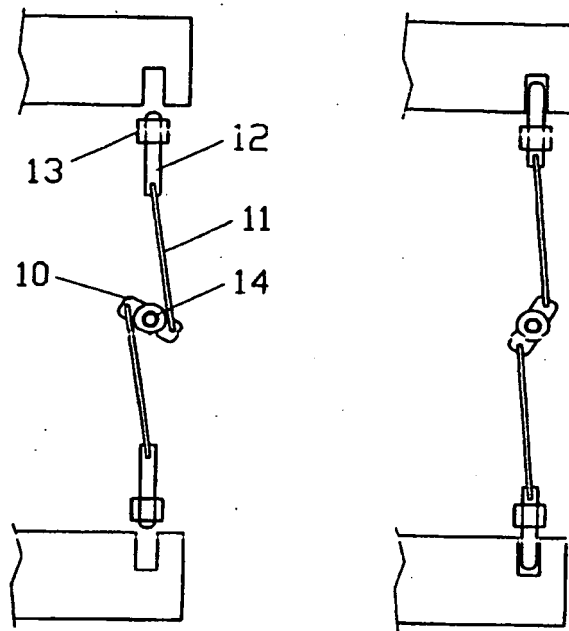


FIG. 3 ( det. Y)

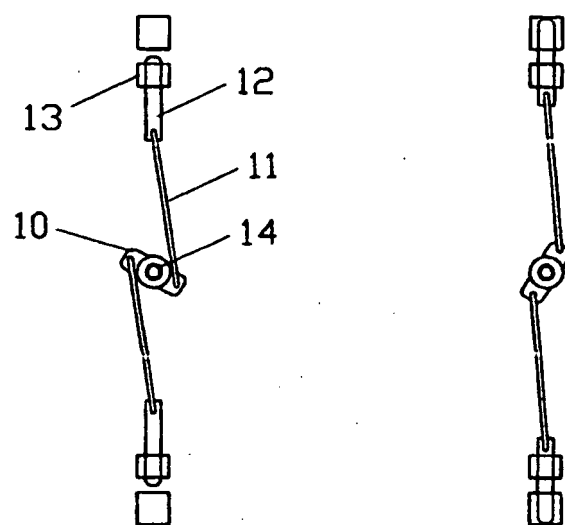


FIG. 4 ( det. Z)

**REFERENCES CITED IN THE DESCRIPTION**

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**Patent documents cited in the description**

- ES 10570760 [0003]