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(54) **Purpose lockers**

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EP 1 415 573 B1

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Description

[0001] The present patent relates to purpose lockers in general, more specifically to a purpose locker which, in accordance with the characteristics thereof, possesses as a basic principle to provide the formation of a differentiated structure as for the component elements and whose installation is based on a concept called "flat pack", in order to allow users in general greater practicality in the transportation and installation of the structure, as well as a better general application and use and having as a basis a locker with great strength, durability and versatility. With a specific design and shape, easily accessible for a better adaptation, comfort and safety for the users, practical handling, functionality and installation characteristics, compact and accessible cost and due to its characteristics and dimensions, is easily adaptable to any place and type of user, regardless of the characteristics thereof.

[0002] In the state of the art some documents may be quoted, like document **D1 US-A-2.749.199**, but they don't achieve the results given by the present invention as it has the following differences:

existence of a system for fastening the parts directly by means of direct fittings and riveting devices, in contrast to the existence of a fastening system exclusively done by sets of nuts, bolts, and washers and small support plates as presented in document D1.

- complete inexistence of sharp corners and protruding edges on all of the component of the frame's unit that could directly cause some accident to the users such as cutting the upper body member, in contrast to that presented in document D1.
- existence of a support base of an independent frame that is highly robust and resistant, which has small adjustable support feet to be used as a support on flat surfaces, in contrast to the existence of feet that are directly integrated to the rest of the frame presented in document D1.
- existence of a perfect ventilation system for the internal part of the locker formed by the set of slats (2F) that provide air renewal inside the locker and protection of the material put inside it, which is in contrast to the inexistence of any ventilation device presented in document D1.
- existence of an internal reinforcement brace (2M) set vertically along the internal side of the doors that makes them more resistant and safe, especially in cases of vandalism, which is in contrast to the fragile doors present in document D1.

- existence of internal divisions with flaps on the bottom specific for fixing and fastening them on other parts of the locker's frame and for protecting the users, which is in contrast to the standard flaps on the bottom presented in document D1.

- utilization of the flat-pack concept inasmuch as all of the frame's components come with holes for assembly and their fastening is done by rivets; in contrast to that presented in document D1.

[0003] Thus, the patent in question is characterized in that it aggregates components and processes in a differentiated concept to meet the various requirements the nature of its use demands, that is, it is easy to install and store. Such concept provides a locker having more functionality, versatility, efficiency, durability, economy and safety due to its excellent technical qualities, thereby providing advantages and improvements to the product, the general characteristics of which differ from the other shapes and models known in the state of the art.

[0004] The present patent consists in the utilization of a modern, efficient, safe and functional purpose locker, formed by an assembly of properly incorporated design, logistics and application solutions comprising a complete and differentiated locker, with an exclusive design, optimum finish details and proprietary characteristics, and incorporating a proprietary and modular structure of high durability and strength, having a general high parallelepipedal shape, made of zinc plated steel plates or similar material and possessing a properly integrated and symmetrically arranged assembly of structural elements forming the locker central structure, pairs of inner hinges for the locker door and a lock of different types controlling the access to the locker interior, so as to form a single and modular assembly with adequate spaces between shelves on inside of door based on the technological concept called "flat pack", installed with rivets and screws, with the purpose of providing greater practicality, safety and resistance during transportation and installation of the locker by the users in schools, gyms, factories, offices, clubs and others.

[0005] The present patent is based on the utilization of a locker comprising components and processes in a differentiated concept, without, however, achieving a high degree of sophistication and complexity, making it possible to solve some of the main inconvenients of the other shapes and models known in the current state of the art and employed to store clothes or objects in general in schools, gyms, factories, offices, clubs, etc., which are located in an operating range in which the handling difficulties and accidents são frequent and whose shapes and/or products are obsolete and based on simple adaptations, as the ones locally handcrafted, which causes fragility and difficult maintenance, low strength and durability, or else they have a large structure, which means high costs, high volume and weight, difficult and slow

installation and the need of high skilled labor. A locker with the above improvements over the prior art is described in claim 1.

[0006] The objects, advantages and other important characteristics of the patent in question can be more easily understood when read jointly with the appended drawings, wherein:

Figure 1A is a perspective view of the purpose locker.

Figure 1B is an exploded perspective view of the purpose locker.

Figure 2A is a rear perspective view of the door for the purpose locker.

Figure 2B is a rear perspective view of the door for the purpose locker in a different angle.

Figure 3A is an exploded perspective view of the hinge for the purpose locker.

Figure 3B is a perspective view of the hinge for the purpose locker

Figure 4 is a front perspective view of the door with a standard key lock for the purpose locker.

Figure 5 is a front perspective view of the door with a padlock hasp type lock for the purpose locker.

Figure 6 is a front perspective view of the door with a 'tosca' type lock for the purpose locker.

Figure 7 is a rear perspective view of the door with a 'tosca' type lock for the purpose locker.

Figure 8A is a front perspective view of the open door with an eyebolt type lock for the purpose locker.

Figure 8B is a front perspective view of the closed door with an eyebolt type lock for the purpose locker.

Figure 8C is an exploded perspective view of the door with an eyebolt type lock for the purpose locker.

Figure 9A is a front perspective view of the door with combination lock for the purpose locker.

Figure 9B is a rear perspective view of the door with combination lock for the purpose locker.

[0007] As can be inferred from the appended drawings that illustrate and integrate the present descriptive report of the patent for utility model of "Purpose Locker", figure (1A) shows the same in a general manner, comprising a locker (1) incorporating a proprietary and modular structure of high durability and strength, having a general high parallelepipedal shape, made of zinc plated steel plates with electrostatic epoxy powder coated finish or similar material of equal or higher lightness and resistance and possessing a properly integrated and symmetrically arranged assembly of structural elements (2) forming the locker central structure (1), pairs of inner hinges (3) for the locker (1) doors and a lock (4) of different types controlling the access to the locker (1) interior, so as to form a single and modular assembly in adequate spaces between shelves on the inside based on the technological concept called "flat pack" where all elements are provided

with holes for installation and attachment by rivets and/or screws.

[0008] The set of structural elements (2), as shown in Figures (1A) and (1B), is comprised of a base assembly (2A) having a general rectangular shape with a U profile as a support device; a base assembly bracket (2B) having a general shape similar to an inverted "C" horizontally and symmetrically arranged on the base assembly (2A); a lower tray (2C) having a general rectangular shape with extruded tabs on the lateral ends and horizontally and symmetrically arranged on the base assembly bracket (2B); four adjustable feet (2D) having general circular shapes symmetrically arranged on the lower lateral ends of the base assembly (2A) as devices to adjust and correct small differences of level; a frame (2E) having a general rectangular shape vertically and symmetrically arranged along the locker (1) front face, from the upper front end of the base assembly (2A), containing a set of louvers (2F) symmetrically arranged on the upper end as a ventilation device; two lateral divisions (2G) having general rectangular shapes with small extruded tabs facing the inner side both on the upper and lower ends, each lateral division (2G) vertically and symmetrically arranged on one of the lateral faces of the locker (1), from the upper lateral end of the base assembly (2A) and parallel to each other; a top cover (2H) having a general rectangular shape with extruded tabs on the lateral ends and horizontally and symmetrically arranged on the lateral ends of the lateral divisions (2G); a rear plate (2I) having a general rectangular shape with small extruded tabs facing the inner side on either of the lateral ends and vertically and symmetrically arranged on the rear face of the locker (1), from the upper rear end of the base assembly (2A), limiting the whole assembly as a back panel; a set of shelves (2J) having general rectangular shapes with small extruded tabs on either of the lateral ends, the shelves (2J) horizontally and symmetrically arranged between the lateral divisions (2G); and a set of doors (2L) having general rectangular shapes and containing a rigid reinforcement (2M) on the inside of general rectangular shape centrally and vertically arranged on the inner face, two cutaways (2N) having general rectangular shapes symmetrically arranged on one of the side faces and two striker plates made of rubbery material, with the doors (2L) vertically and symmetrically arranged between the frame (2E).

[0009] The inner hinge (3), as shown in Figures (2A), (2B), (3A), and (3B), is comprised of a single module inner portion (3A) having a general rectangular shape with three holes (3B) symmetrically arranged close and parallel to a lateral end and two extensions (3C) each having a general cylindrical shape symmetrically arranged on the opposite end, a single module outer portion (3D) having a general shape similar to an "L" with two holes (3E) symmetrically arranged close and parallel to a lateral end, a small side flange (3F) having a general rectangular shape arranged along the opposite end and three extensions (3G) each having a general cylindrical

shape symmetrically arranged on the side flange (3F) and synchronically fitted to the extensions (3C), the two inner (3A) and outer (3B) portions are properly fitted to each other by the extensions (3C) and (3G) and attached to each other by a pin (3H) penetrating the entire extension thereof and over which moves the door (2L) and each of the hinges (3) properly penetrating a cutaway (2N) and attaching itself through the inner portion (3A) to the door inner face (2L) and through the outer portion (3D), to the lateral division inner face (2G), so as to be invisible through the locker outer side (1).

[0010] The lock (4) contains a shield (4A) with a small plate and can be of the standard key type (4B) containing a Pacri key (4C); padlock hasp type (4D) containing two small hasps (4E) parallel arranged to each other and close to the side of the shield (4A) each with a hole (4F) close to the fitting end of a padlock; 'tosca' type (4G) containing a rotating handle (4H) on the outside and a cylinder (4I) on the inside, a catch (4J) and a shield (4L) attached by small clamps; eyebolt type (4M) containing an outer rotating knob (4N) with a lower cutaway (4O) on the outside and a cylinder (4P) on the inside, a clamp (4Q), a catch (4R) and a shield attached by small clamps; or combination lock type (4S) containing a small support plate (4T), a combination device (4U), an outer rotating knob (4V) and a cylinder (4X) and a catch (4Z) on the inside, the combination lock not being provided with a shield (4A) on the outside.

[0011] The purpose lockers, according to the use needs, can be designed with a set of doors (2L) with any number of doors (2L), as well as a set of shelves (2J) with any number of shelves (2J), being only that both sets must have the same number of elements and keep the same size and external characteristics, basically changing the number of doors (2L) and shelves (2J) only.

[0012] The components of the purpose locker are fully fitted and attached, do not present any breakable parts, are highly resistant and completely safe. After fitted and attached, the components are locked, thus preventing them from getting loose when in use, thus making the assembly fully available for storing items in general. Therefore, the product can be used without worries of any nature as regarding its durability and safety.

[0013] As its structures are made of zinc plated steel plates with electrostatic epoxy powder coated finish or similar material with equal or higher lightness and strength, the purpose locker and the components thereof, are rustproof and waterproof, have a high level of durability and strength, provide greater safety to the users and, when routinely used, do not present any risks of fatigue or to the users.

[0014] For all of the above, this is a product that will be well received by all locker users in their various needs, since the present purpose locker presents several advantages, such as: great safety, reliability and agility; extremely high mechanical resistance and general durability, as well as a low or no wear of the assembly as a whole; great efficiency and performance in its use due

to its general conception; greater comfort, facility and safety to the users; fully accessible costs, which provides an optimum cost/benefit ratio; practical and safe use by any users, regardless of the characteristics thereof, great versatility and flexibility provided by the several configurations; lower installation time; great mobility and easy storage; attractive and pleasant design; great capacity of a rational module assembly; easy logistics provided by the "flat pack" concept; excellent ventilation system; fully assembled/disassembled; and the certainty of always having a product that fully meets the ideal safety, strength and durability conditions required for the storage of objects and clothes in general.

[0015] For all of the above, the purpose locker can be classified as a fully versatile, efficient, resistant, strong and safe means for storing several types of clothes, books and accessories in general by any users, regardless of their needs, being easily installed and handled to meet the various needs in schools, gyms, factories, offices, clubs, etc., as well as having excellent general characteristics; the sizes, dimensions and quantities may vary, depending on the use needs.

25 Claims

1. "MULTI-PURPOSE BLOCKER", comprises a locker (1) incorporating a proprietary and modular structure having a general high parallelepipedal shape, made of zinc plated steel plates with electrostatic epoxy powder coated finish or similar material with equal or higher lightness and resistance and **characterized in that** it contains a properly integrated and symmetrically arranged assembly of structural elements (2) forming the locker central structure (1), said structural elements being comprised of a base assembly (2A) having a general rectangular shape with a U profile; a base assembly bracket (2B) having a general shape similar to an inverted "C" horizontally and symmetrically arranged on the base assembly (2A), a lower tray (2C) having a general rectangular shape with extruded tabs on the lateral ends and horizontally and symmetrically arranged on the base assembly bracket (2B); four adjustable feet (2D) having general circular shapes symmetrically arranged under the lower lateral ends of the base assembly (2A), a frame (2E) having a general rectangular shape vertically and symmetrically arranged along the front face of the locker (1), from the upper front end of the base assembly (2A), having a set of louvers (2F) symmetrically arranged on the upper end, two lateral divisions (2G) having general rectangular shapes with small extruded tabs facing the inner side on either of the upper and lower ends, each lateral division (2G) vertically and symmetrically arranged on one of the lateral faces of the locker (1), from the upper lateral end of the base assembly (2A), and parallel to each other, a top cover

(2H) having a general rectangular shape with extruded tabs on the lateral ends and horizontally and symmetrically arranged on the lateral ends of the lateral divisions (2G), a rear plate (2I) having a general rectangular shape with small extruded tabs facing the inner side on either of the lateral ends and vertically and symmetrically arranged on the rear face of the locker (1), from the upper rear end of the base assembly (2A), a set of shelves (2J) having general rectangular shapes with small extruded tabs on either of the lateral ends, the shelves (2J) horizontally and symmetrically arranged between the lateral divisions (2G), and a set of doors (2L) having general rectangular shapes and containing a rigid reinforcement (2M) on the inside having a general rectangular shape centrally and vertically arranged on the inner face, two cutaways (2N) having general rectangular shapes symmetrically arranged on one of the side faces and two striker plates made of rubbery material, with the doors (2L) vertically and symmetrically arranged between the frame (2E); pairs of inner hinges (3) for the locker doors (1) comprised by a single module inner portion (3A) having a general rectangular shape with three holes (3B) symmetrically arranged close and parallel to a lateral end and two extensions (3C) each having a general cylindrical shape symmetrically arranged on the opposite end, a single module outer portion (3D) having a general shape similar to an "L" with two holes (3E) symmetrically arranged close and parallel to a lateral end, a small side flange (3F) having a general rectangular shape arranged along the opposite end and three extensions (3G) each having a general cylindrical shape symmetrically arranged on the side flange (3F) and synchronically fitted to the extensions (3C), the two inner (3A) and outer (3B) portions are fitted to each other by the extensions (3C) and (3G) and attached to each other by a pin (3H) penetrating the entire extension thereof and over which moves the door (2L) each one of the hinges (3) properly penetrating a cutaway (2N) and attaching itself through the inner portion (3A) to the door inner face (2L) and through the outer portion (3D), to the lateral division inner face (2G), so as to be invisible through the locker outer side (1); and a lock (4) of different types controlling the access to the locker (1) interior possessing a shield (4A) with a small plate and can be of the standard key type (4B) containing a Pacri key (4C), padlock hasp type (4D) containing two small hasps (4E) parallel arranged to each other and close to the side of the shield (4A) each with a hole (4F) close to the fitting end of a padlock, 'tosca' type (4G) containing a rotating handle (4H) on the outside and a cylinder (4I) on the inside, a catch (4J) and a shield (4L) attached by small clamps; eyebolt type (4M) containing an outer rotating knob (4N) with a lower cutaway (4O) on the outside and a cylinder (4P) on the inside, a clamp (4Q), a catch (4R) and a shield

attached by small clamps; or combination lock type (4S) containing a small support plate (4T), a combination device (4U), an outer rotating knob (4V) and a cylinder (4X) and a catch (4Z) on the inside, the combination lock not being provided with a shield (4A) on the outside; so as to form a single and modular assembly with adequate spaces between shelves on the inside based on the technological concept called "flat pack" where all elements are provided with holes to be installed and attached by rivets and/or screws.

2. "MULTI-PURPOSE LOCKER", in accordance with claim 1, **characterized in that** it is designed with a set of doors (2L) with any number of doors (2L), as well as a set of shelves (2J) with any number of shelves (2J), being only that both sets must have the same number of elements and keep the same size and external characteristics, basically changing the number of doors (2L) and shelves (2J) only.

Patentansprüche

1. "MEHRZWECK-SCHLISSFACH", bestehend aus einem Schliessfach (1) mit einer patentierten und modular aufgebauten Struktur und einer im allgemeinen quaderförmigen Gestalt, hergestellt aus verzinkten Stahlplatten und mit elektrostatischem Epoxypulver oder einem ähnlichen Material von gleichem oder geringerem Gewicht und höherer Widerstandsfähigkeit beschichtet, und **dadurch** charakterisiert dass es eine sorgfältig integrierte und symmetrisch angeordnete Zusammenstellung von Strukturelementen (2) enthält, die die zentrale Konstruktion des Schliessfaches bilden (1); die genannten Strukturelemente bestehen aus einem rechteckigen Träger teil (2A), das im Profil ein U darstellt, einem Trägerarm (2B) in der Form ähnlich eines umgedrehten "C", der horizontal und symmetrisch auf dem Träger teil (2A) angebracht ist, einem rechteckigen Unterboden (2C) mit extrudierten Metallspitzen an den Seitenenden, und der horizontal und symmetrisch am Trägerarm (2B) angebracht ist, vier verstellbaren Füßen (2D) von im allgemeinen runder Form, die symmetrisch unter den unteren Seitenenden des Trägerteils angebracht sind (2A), einem rechteckiger Rahmen (2E), der vom oberen Frontende des Trägerteils (2A) vertikal und symmetrisch entlang der Vorderseite des Schliessfaches angebracht ist (1), und mit einem Satz Lamellen (2F), die symmetrisch am unteren Ende angebracht sind, versehen ist, zwei rechtwinkligen Seitenteilen (2G) mit kleinen extrudierten Metallspitzen, die der Innenseite entweder des oberen oder des unteren Endes gegenüber liegen, jedes Seitenteil (2G) ist vom oberen Seitenende des Trägerteils (2A) und parallel zueinander, vertikal und symmetrisch an einer der Seitenflächen

des Schliessfaches angeordnet (1), ein rechteckiger Deckel (2H) mit extrudierten Metallspitzen an den seitlichen Enden und horizontal und symmetrisch an den Seitenenden der Seitenteile angebracht (2G), eine rechteckige Rückplatte (2I) mit kleinen extrudierten Metallspitzen, die der inneren Seite gegenüberliegen, und die an jeder der Seitenenden und vertikal und symmetrisch auf der Rückseite des Schliessfaches angebracht ist (1), vom oberen Rückende des Trägerteils (2A) ein Satz rechteckiger Regale (2J) mit kleinen extrudierten Metallspitzen an jedem seitlichen Ende, die Regale (2J) sind horizontal und symmetrisch zwischen den Seitenteilen angeordnet (2G), und ein Satz rechteckiger Türen (2L), die eine unnachgiebige Verstärkung enthalten (2M) und auf der Innenseite rechteckig sind, und zentral und vertikal an der Innenseite festgemacht sind, zwei rechteckige Ausschnitte (2N), die symmetrisch an einer der beiden Seitenflächen angebracht sind, sowie zwei Schliessbleche aus gummiartigem Material, mit den vertikal und symmetrisch zwischen den Rahmen (2E) angebrachten Türen (2L); ein Paar Scharniere (3) für die Schliessfachtüren (1), die aus einem einzigen Modul im inneren Teil bestehen (3A), eine rechteckige Form mit drei Löchern (2B) haben, und symmetrisch und parallel dicht zu einem Seitenende hin angeordnet sind, und zwei Ansatzstücke (3C), jedes von zylindrischer Gestalt und symmetrisch am gegenüberliegenden Ende festgemacht, einem einzigen Modul im äußeren Teil (3D), in der Gestalt ähnlich eines "L" mit zwei Löchern (3E), das symmetrisch und parallel nahe eines Seitenendes angeordnet ist, ein kleiner seitlicher Flansch (3F), von rechteckiger Form und entlang des gegenüberliegenden Endes angeordnet, und drei Ansatzstücke (3G), jedes von zylindrischer Gestalt, symmetrisch am seitlichen Flansch (3F) angeordnet, und synchron an den Ansatzstücken (3C) befestigt, die zwei inneren (3A) und äußeren (2B) Teile sind miteinander durch die Ansatzstücke (3C) und (3G) verbunden und jedes ist am anderen mittels eines Stiftes (3H) angebracht, der das gesamte Ansatzstück durchdringt und über den sich die Tür (2L) bewegt, jedes einzelne Scharnier (3) sorgfältig einen Ausschnitt durchdringend (2N) und selbst durch den inneren Teil (3A) an der Innenseite der Türfront (2L) befestigt, und durch den äußeren Teil (3D) am seitlichen Abschnitt der Frontseite (2G), so dass es durch die Aussenseite des Schliessfaches (1) unsichtbar ist; und ein Schloss (4) eines anderen Typus, das den Zugang zum Schliessfach (1) kontrolliert, im Inneren über einen Schutzschild (4A) mit einer kleinen Platte verfügend, der einem Standard Typus (4B) entsprechen kann und einen Pacri Schlüssel (4C) enthält, ein Vorhängeschloss mit Verschlussspanne (4D), das zwei kleine Verschlussspannen enthält (4E), die parallel zueinander und eng an der Seite des Schutz-

schildes (4A) angeordnet sind, jedes mit einem Loch (4F), das dicht am Befestigungsende des Vorhängeschlosses sitzt, vom Type "Tosca" (4G), und das aus einem sich drehenden Handgriff (4H) an der Aussenseite und einem Zylinder (4I) an der Innenseite besteht, eine Verriegelung (4J) und ein Schutzschild (4L), mit kleinen Schraubzwingen vom Typ einer Ringschraube (4M) befestigt, und die einen äusseren drehbaren Knopf (4N) mit einem niedrigen Ausschnitt (4O) an der Aussenseite, und einen Zylinder (4P) an der Innenseite enthält, eine Schraubzwinde (4Q), eine Verriegelung (4R) und ein Schutzschild, die durch kleine Schraubzwingen befestigt sind, oder ein Kombinationsschloss (4S), das ein kleines Umlenksegment (4T) enthält, ein Kombinationsgerät (4U), ein äusserer drehbarer Knopf (4V) und ein Zylinder (4X) und eine Verriegelung (4Z) auf der Innenseite, das Kombinationsschloss, das nicht mit einem Schutzschild (4A) an der Aussenseite geliefert wird, und das eine einzelne und modulare Zusammensetzung ermöglicht mit ausreichenden Zwischenräumen zwischen den Regalen an der Innenseite, die auf dem Technologiekonzept namens "Flachpackung" basieren, und bei dem alle Bauteile mit Löchern zur Installation und Bolzen und/oder Schrauben zur Befestigung geliefert werden.

2. "MEHRZWECK SCHLISSFACH", in Übereinstimmung mit Anspruch 1, und dadurch charakterisiert, dass es mit einem Satz Türen (2L), mit einer beliebigen Anzahl an Türen (2L), sowie einem Satz Regalen (2J), mit einer beliebigen Anzahl an Regalen (2J) entworfen wurde, und mit der Voraussetzung, dass beide Sets in der Anzahl an Elementen und der Größe und den äusseren Characteristica übereinstimmen, und sich grundsätzlich nur in der Anzahl der Türen (2L) und Regale (2J) unterscheiden.

40 Revendications

1. « ARMOIRE MULTI USAGES », sous cette dénomination on entend une armoire (1) comprenant une structure propre et modulaire ayant une forme générale de grand parallélépipède, faite de plaques d'acier recouvert de zinc avec une finition de couche externe de poudre d'époxy électrostatique ou tout matériau similaire présentant les mêmes caractéristiques de légèreté et de résistance, voire de meilleures caractéristiques, et **caractérisé par le fait qu'il** contient un assemblage correctement intégré et organisé de manière symétrique d'éléments structurel (2) formant la structure centrale de l'armoire (1), comprenant un assemblage de base (2A) de forme générale rectangulaire au profil en U, un support d'assemblage de base (2B) dont la forme générale est semblable à un « C » renversé organisé horizontalement et symétriquement sur l'assemblage de ba-

se (2A), un plateau inférieur (2C) à la forme générale rectangulaire avec des pattes qui ressortent sur les extrémités latérales et placé horizontalement et symétriquement sur le support d'assemblage de base (2B), quatre pieds réglables (2D) aux formes générales arrondies, placés symétriquement sous les extrémités latérales inférieures de l'assemblage de base (2A), un cadre (2E) à la forme générale rectangulaire placé verticalement et symétriquement le long de la face avant de l'armoire (1), depuis l'extrémité avant supérieure de l'assemblage de base (2A), avec un ensemble de lucarnes (2F) placées symétriquement sur l'extrémité supérieure, deux sections latérales (2G) aux formes générales rectangulaires avec de petites pattes qui ressortent faisant face à la partie interne aux deux extrémités supérieures et inférieures, chacune des dites sections latérales (2G) placée verticalement et symétriquement sur l'une des faces latérales du coffre (1), depuis l'extrémité latérale supérieure de l'assemblage de base (2A), et parallèle l'une à l'autre, une couverture supérieure (2H) à la forme générale rectangulaire avec des pattes qui ressortent sur les extrémités latérales et horizontalement et symétriquement placée aux extrémités latérales des sections latérales (2G), une plaque arrière (2I) à la forme générale rectangulaire avec de petites pattes qui ressortent faisant face au côté interne sur les deux extrémités latérales et placée verticalement et symétriquement sur la face arrière de l'armoire (1), depuis l'extrémité arrière supérieure de l'assemblage de base (2A), un ensemble d'étagères (2J) aux formes générales rectangulaires avec de petites pattes qui ressortent aux deux extrémités latérales, les étagères (2J) placées horizontalement et symétriquement entre les sections latérales (2G), un ensemble de portes (2L) aux formes générales rectangulaires et comprenant un renforcement rigide (2M) à l'intérieur à la forme générale rectangulaire, placées centralement et verticalement sur la face interne, deux entailles (2N) aux formes générales rectangulaires placées symétriquement sur l'une des faces latérales et deux plaques frappeuses faites de matériel caoutchouté, les portes (2L) placées verticalement et symétriquement entre le cadre (2E) ; des paires de gonds intérieurs (3) pour les portes du coffre (1) comprenant une seule portion de module intérieur (3A) à la forme générale rectangulaire avec trois trous (3B) placés symétriquement à proximité et parallèlement à une extrémité latérale et deux extensions (3C) chacune ayant une forme générale cylindrique placées symétriquement à l'extrémité opposée, une seule portion de module externe (3D) à la forme générale ressemblant à un « L » avec deux trous (2E) placée symétriquement à proximité et parallèlement à une extrémité latérale, une petite semelle latérale (3F) à la forme générale rectangulaire placée le long du côté opposé et trois extensions (3G) chacune ayant une

forme générale cylindrique placées symétriquement sur la semelle latérale (3F) et synchroniquement fixées aux extensions (3C), les deux portions intérieure (3A) et externes (3B) sont montées l'une à l'autre par les extensions (3C) et (3G) et attachées l'une à l'autre par une cheville (3H) qui entre dans toute l'extension et sur laquelle s'articule la porte (2L) chacun des gonds (3) entrant correctement dans une entaille (2N) et se fixant par la portion intérieure (3A) à la face interne de la porte (2L) et par la portion externe (3D) à la face interne de la section latérale (2G) de sorte qu'elle soit invisible depuis le côté extérieur du coffre (1) ; et une serrure (4) de différentes natures contrôlant l'accès à l'armoire (1), l'intérieur possédant un bouclier (4A) avec une petite plaque et peut être de type de clé standard (4B) contenant une clé Pacri (4C), un cadenas de type loquet (4D) avec deux petits loquets (4E) parallèles l'un à l'autre et à proximité du côté du bouclier (4A), chacun ayant un trou (4F) à proximité de l'extrémité d'ajustage d'un cadenas, de type 'tosca' (4G) avec une poignée tournante (4H) à l'extérieur et un cylindre (4I) à l'intérieur, un mentonnet (4J) et un bouclier (4L) fixés par de petites pinces ; type tire-fond (4M) avec un bouton externe tournant (4N) et une entaille inférieure (4O) à l'extérieur et un cylindre (4P) à l'intérieur, une pince (4Q), un mentonnet (4R) et un bouclier fixés par de petites pinces, ou une serrure de type combinaison (4S) avec une petite plaque de soutien (4T), un système de combinaison (4U), un bouton externe tournant (4V) et un cylindre (4X) et un mentonnet (4Z) à l'intérieur, la serrure combinaison n'étant pas fournie avec un bouclier (4A) à l'extérieure ; afin de former un assemblage unique et modulaire avec des espaces adéquats entre les étagères à l'intérieur en s'appuyant sur le concept technologique appelé « paquet plat » où tous les éléments sont fournis avec des trous à installer et fixer avec des rivets et/ou des vis.

2. « ARMOIRE MULTI USAGES », conformément à la revendication 1, **caractérisé par le fait qu'elle** est conçue avec un ensemble de portes (2L) comprenant n'importe quel nombre de portes (2L) ainsi qu'un ensemble d'étagères (2J) comprenant n'importe quel nombre d'étagères (2J), les deux ensembles devant simplement avoir le même nombre d'éléments et conserver la même taille et les mêmes caractéristiques externes, en fait uniquement modifier le nombre de portes (2L) et le nombre d'étagères (2J).

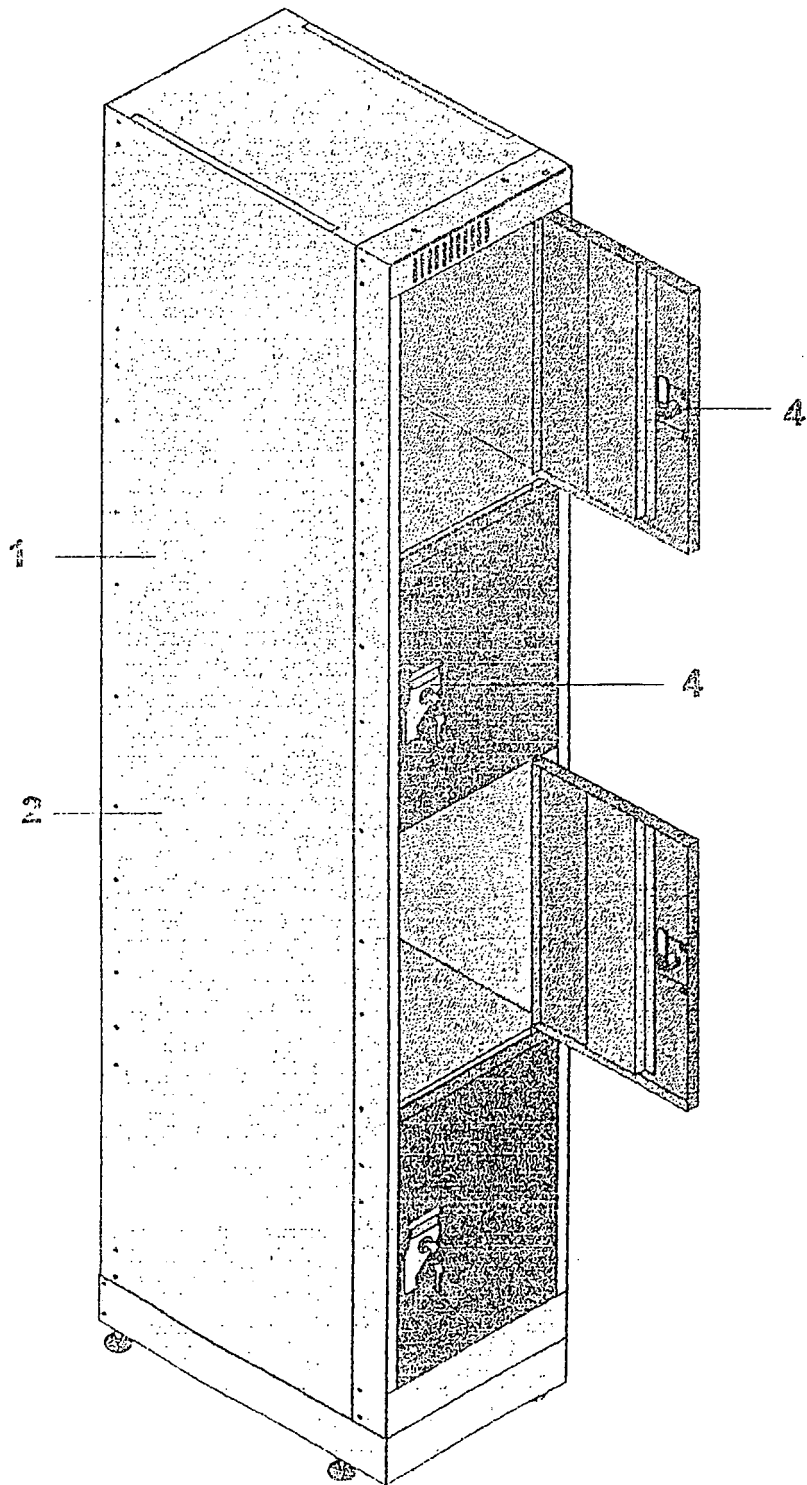


Fig. 1A

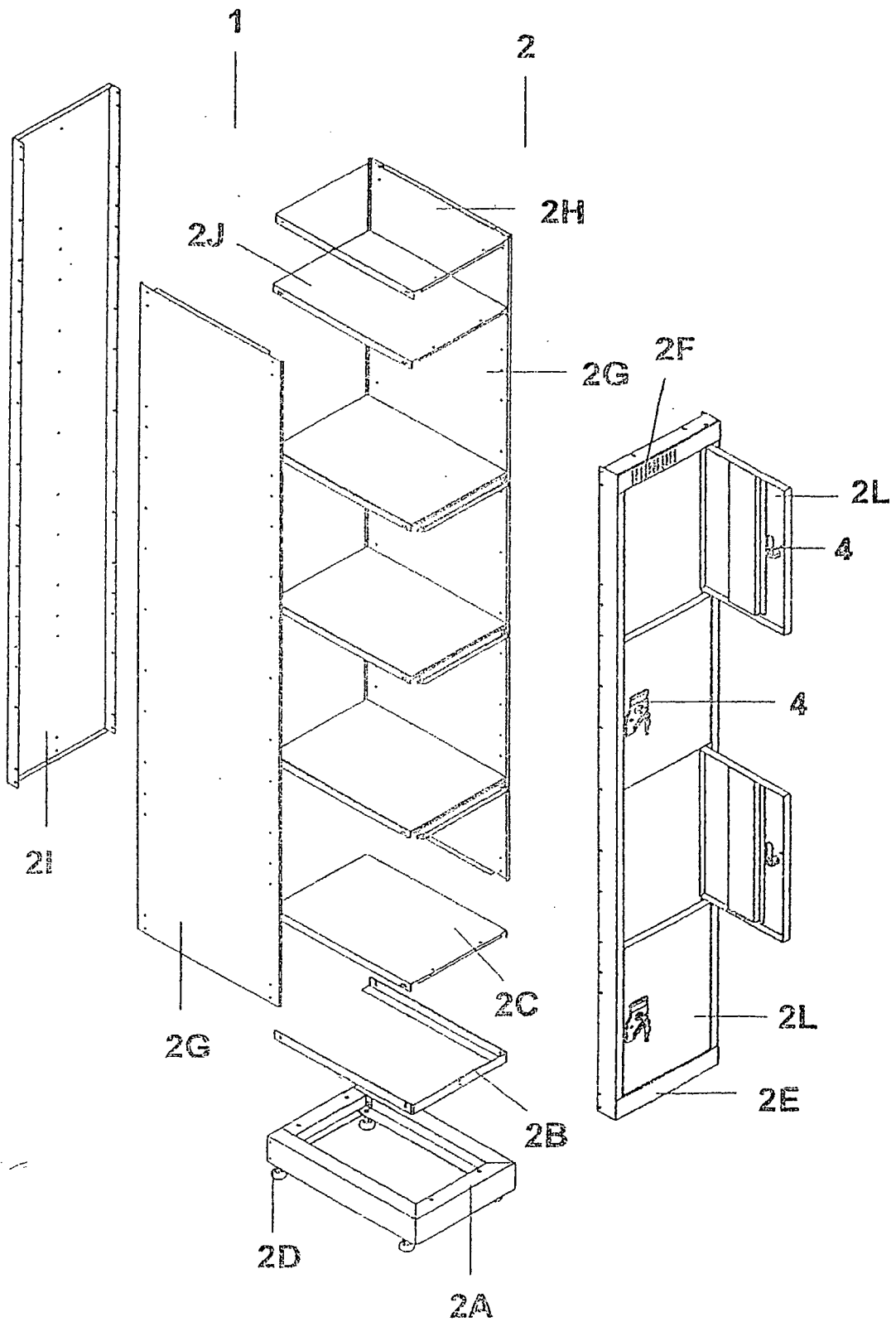


Fig. 1B

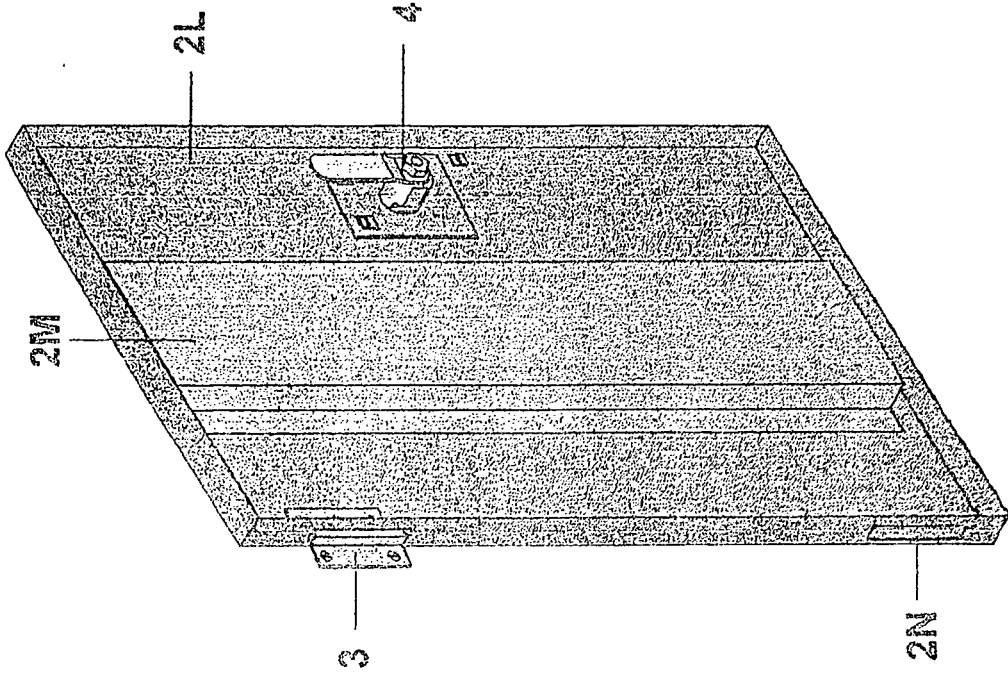


Fig. 2B

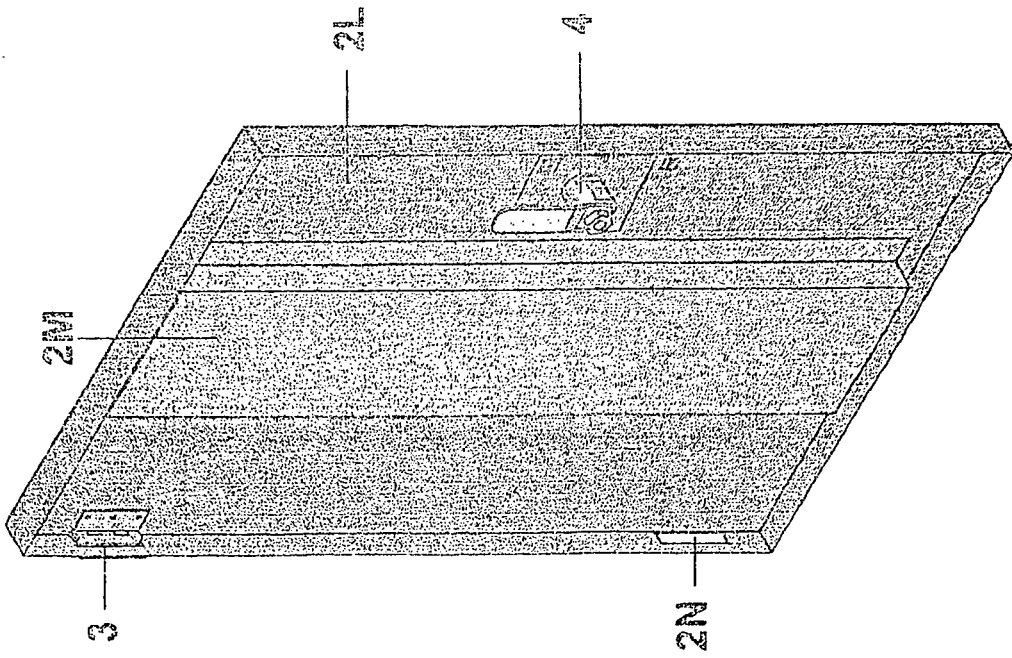


Fig. 2A

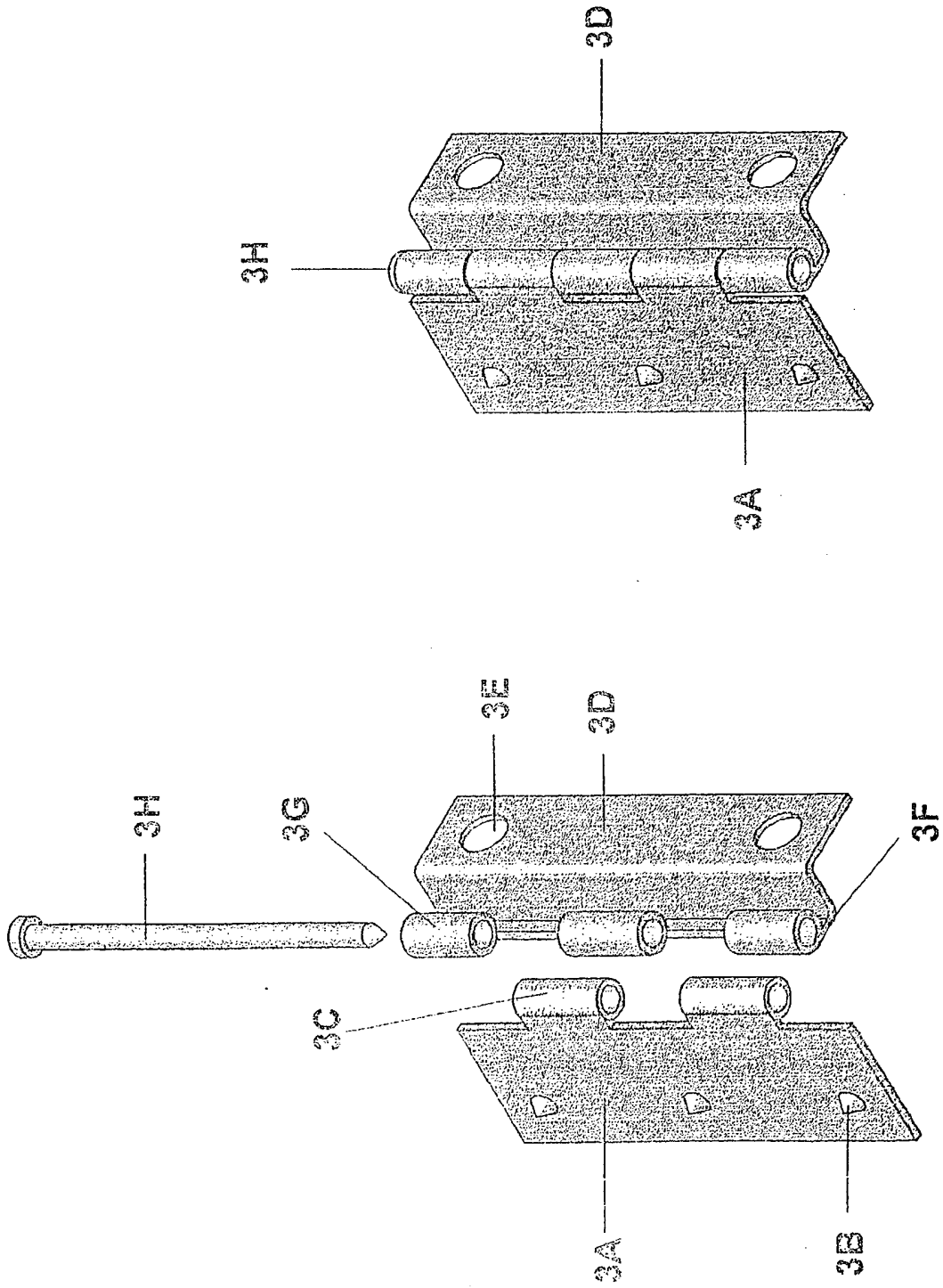


Fig.3B

Fig.3A

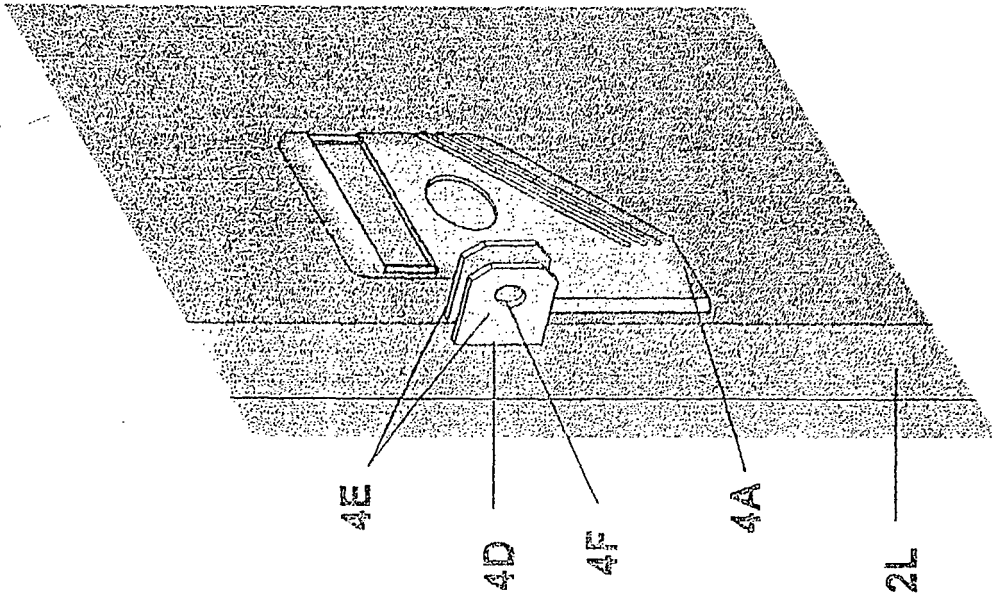


Fig.5

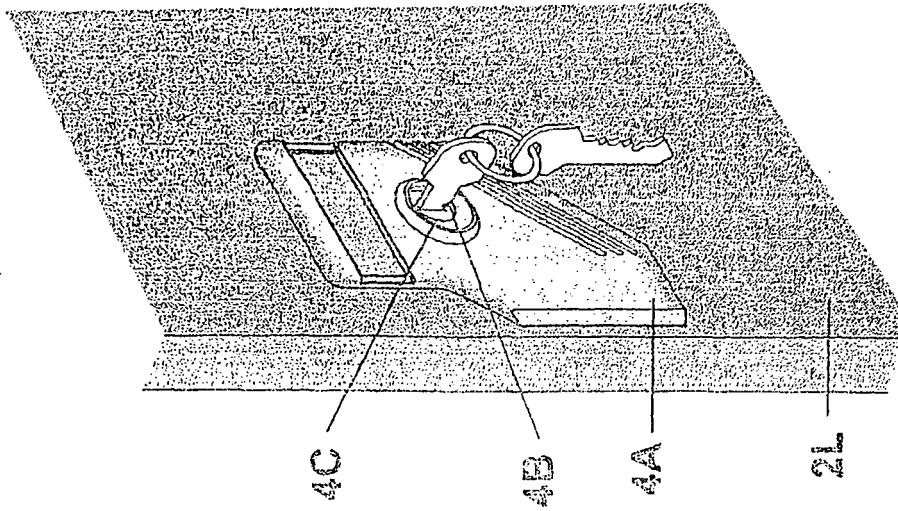


Fig.4

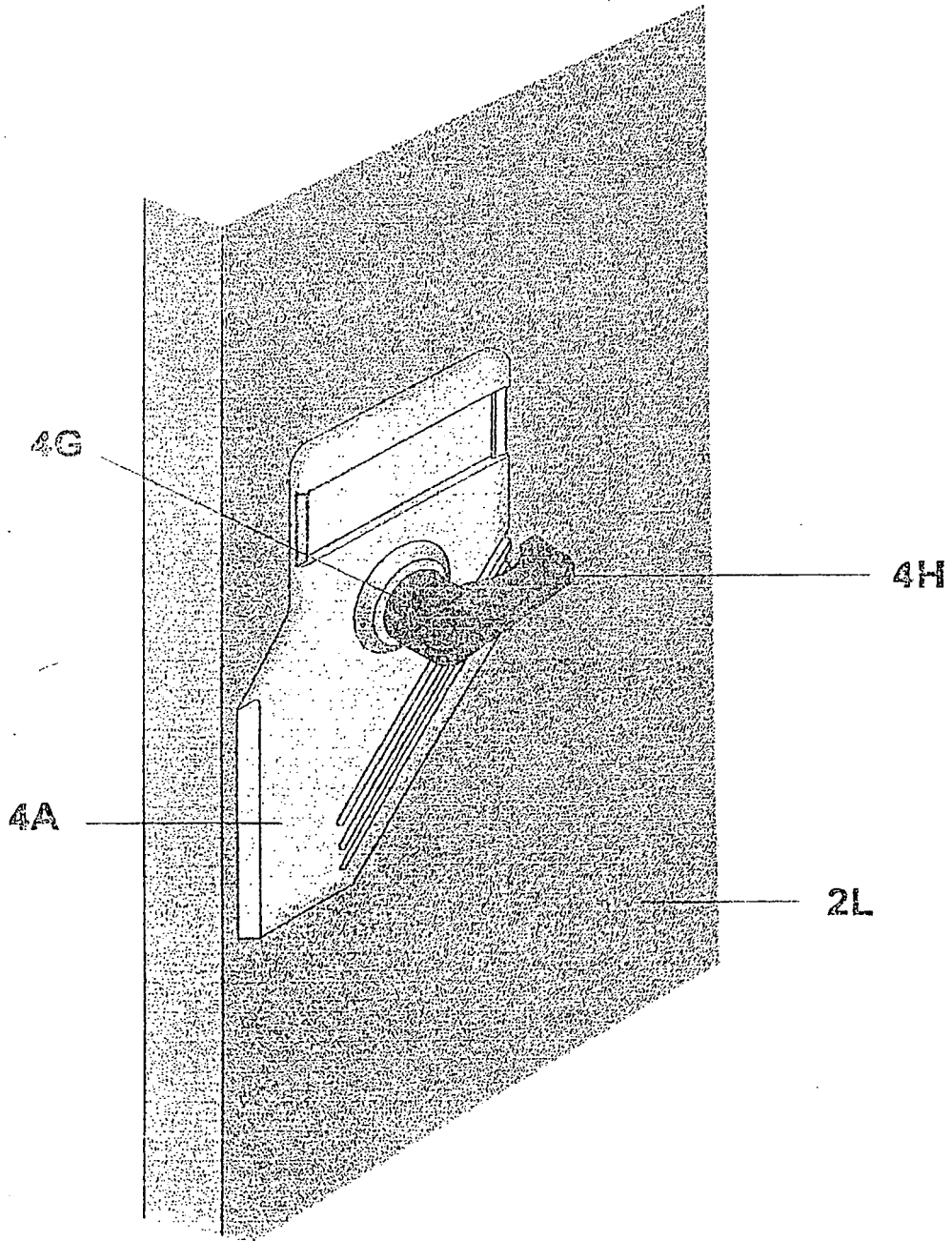


Fig.6

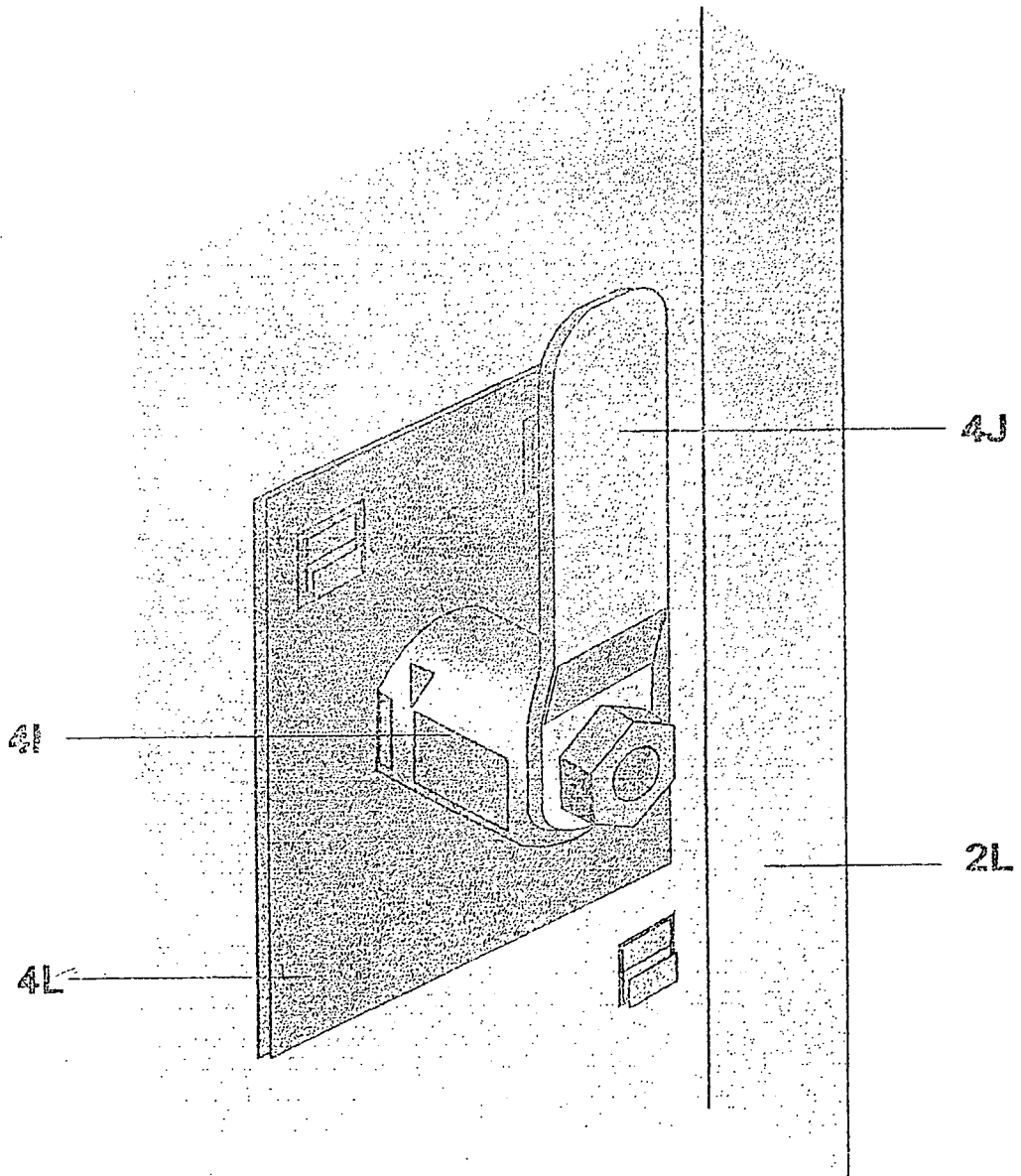


Fig.7

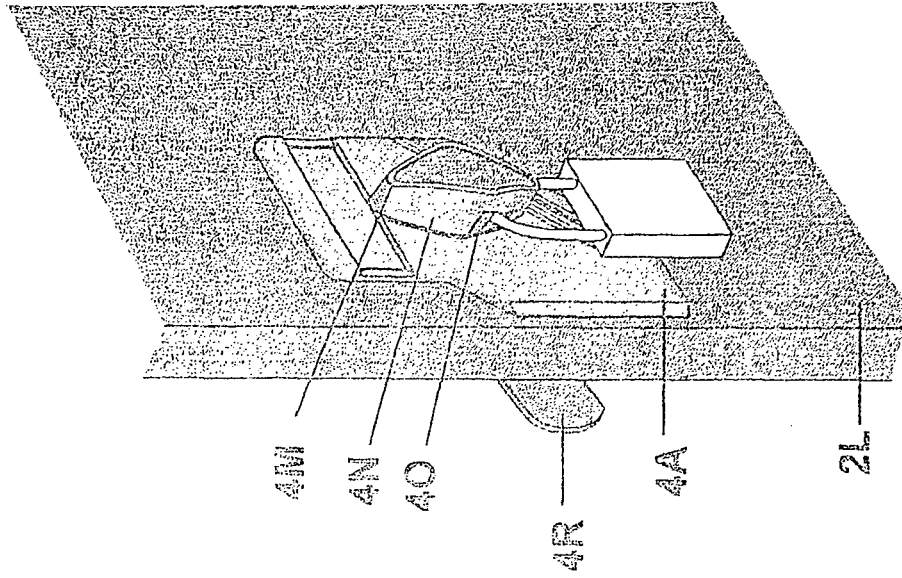


Fig. 8B

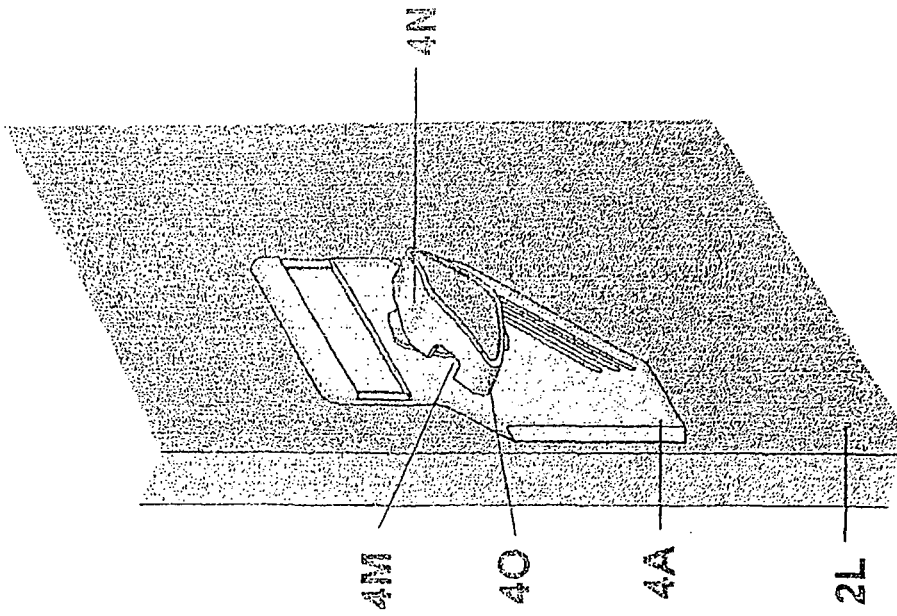


Fig. 8A

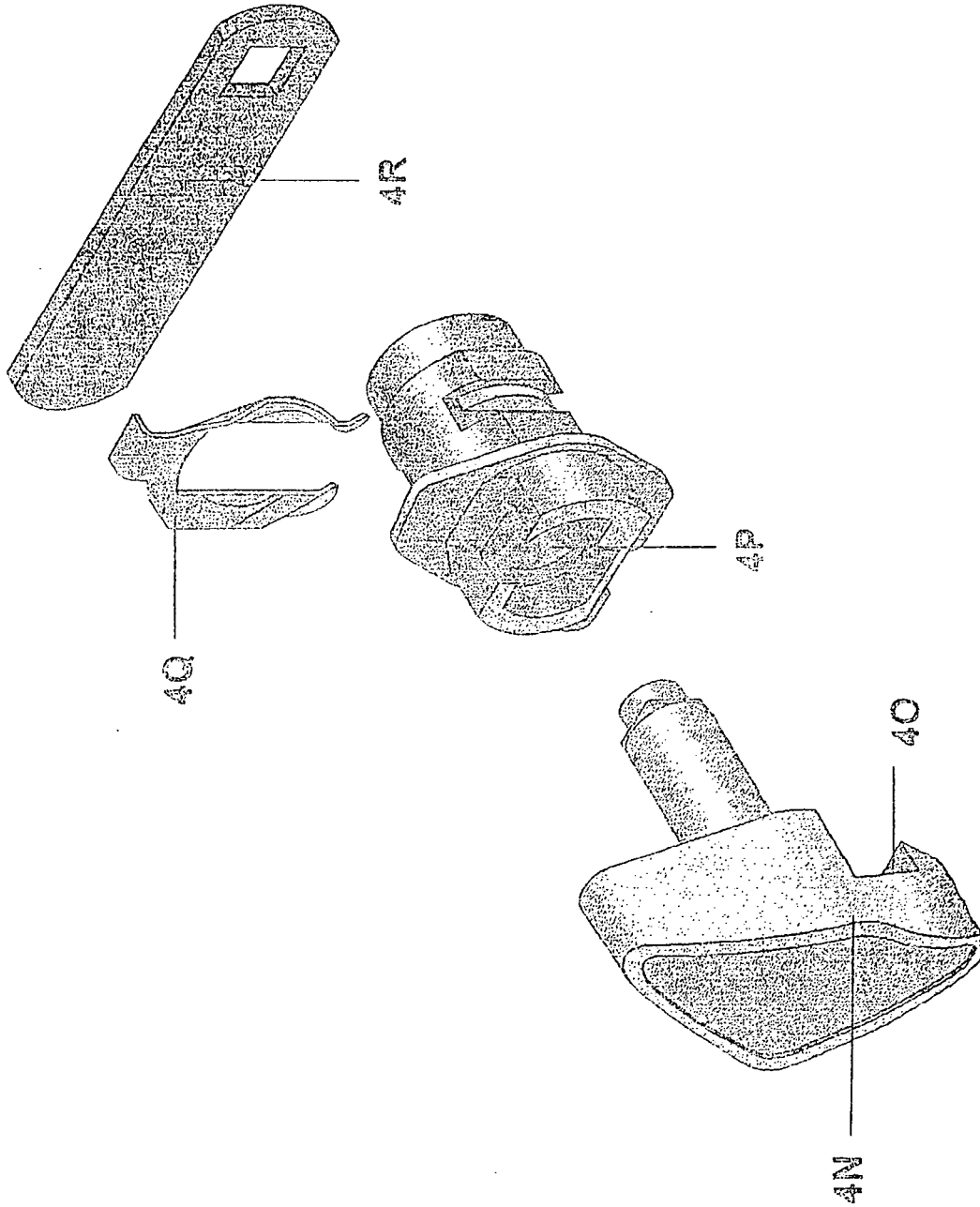


Fig. 8C

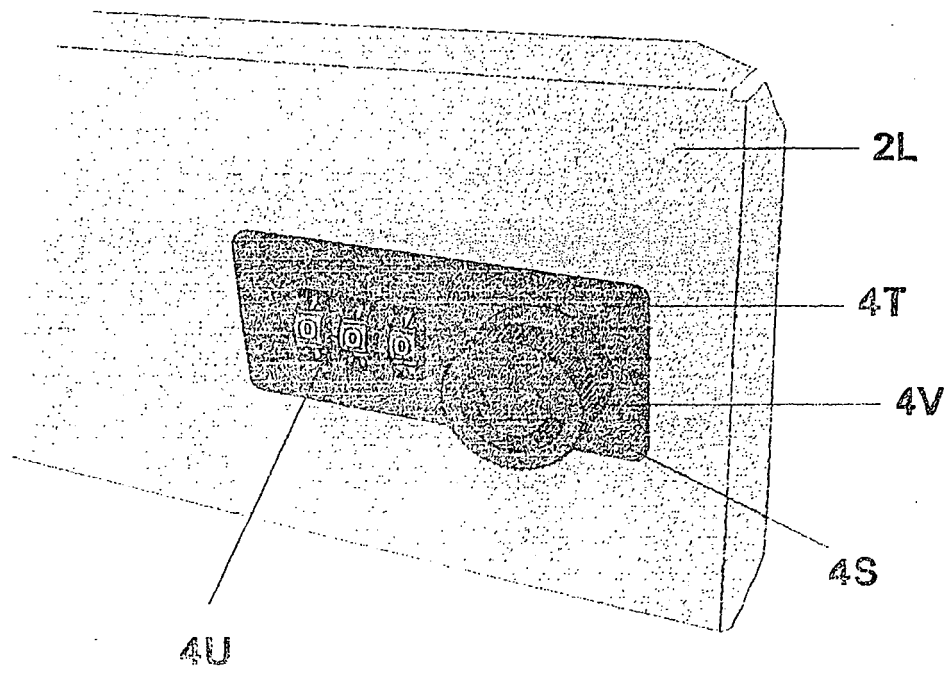


Fig. 9A

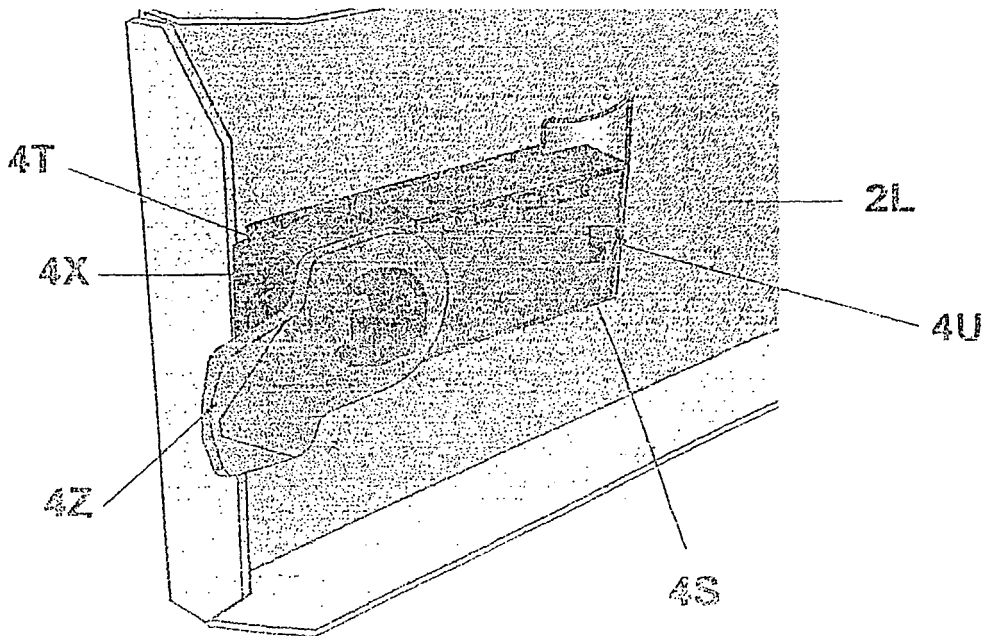


Fig. 9B