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(54) **CABINET HAVING DRAWER ANCHORING DEVICE**

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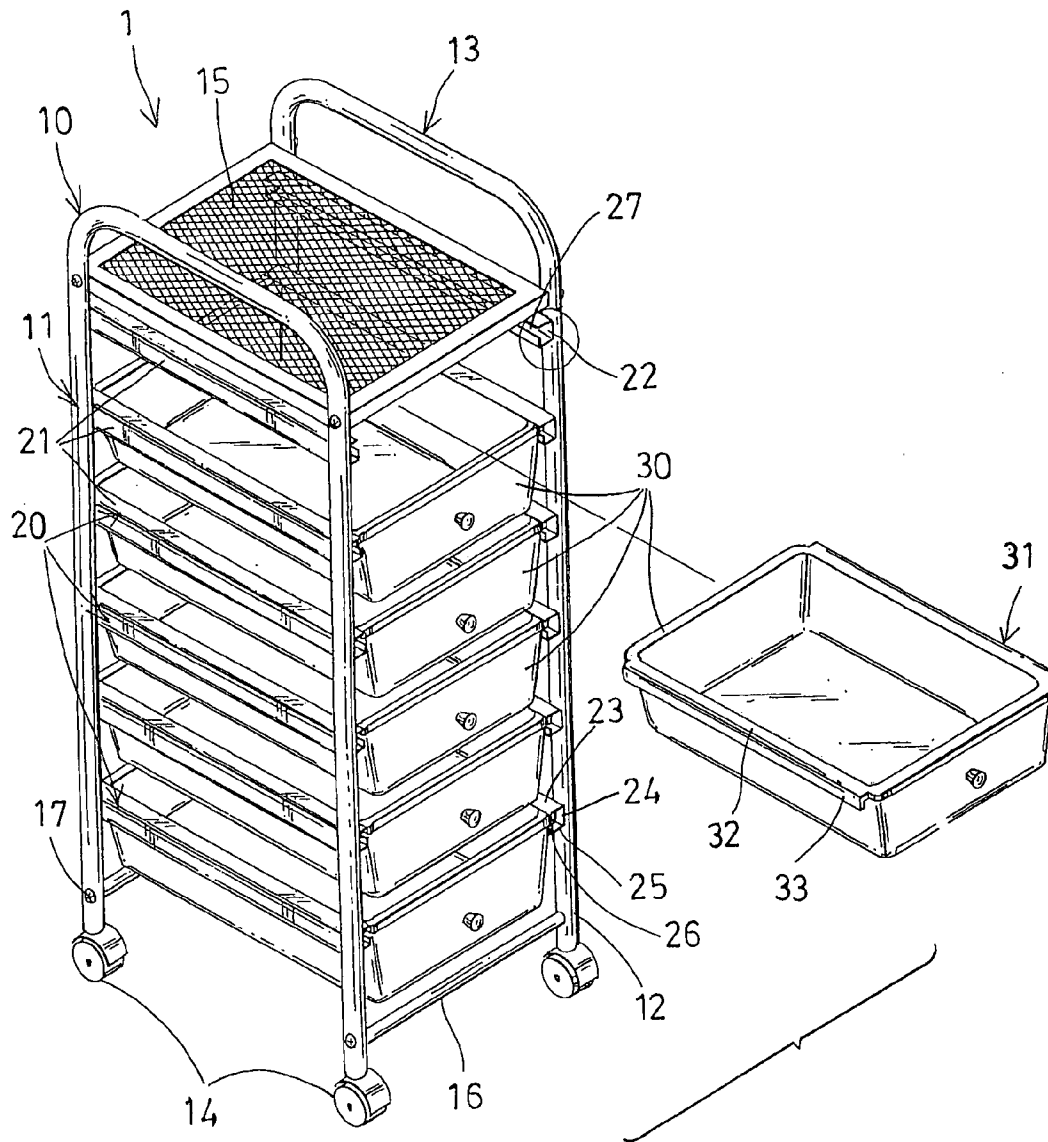
(57) **ABSTRACT**

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A cabinet includes a receptacle having two frames, and one or more pairs of tracks attached to the frames, the tracks each include a tubular member having a bore and a groove formed in an inner portion and formed by an inner side wall, and one or more drawers each include an anchoring device extended from each of two sides of the drawer for slidably engaging with the tracks and for slidably attaching the drawer to the receptacle, the anchoring devices each include an upper flange slidably engaged through the groove and into the bore of the track, and an anchor member extended from the upper flange for preventing the drawer from being disengaged from the receptacle inadvertently.

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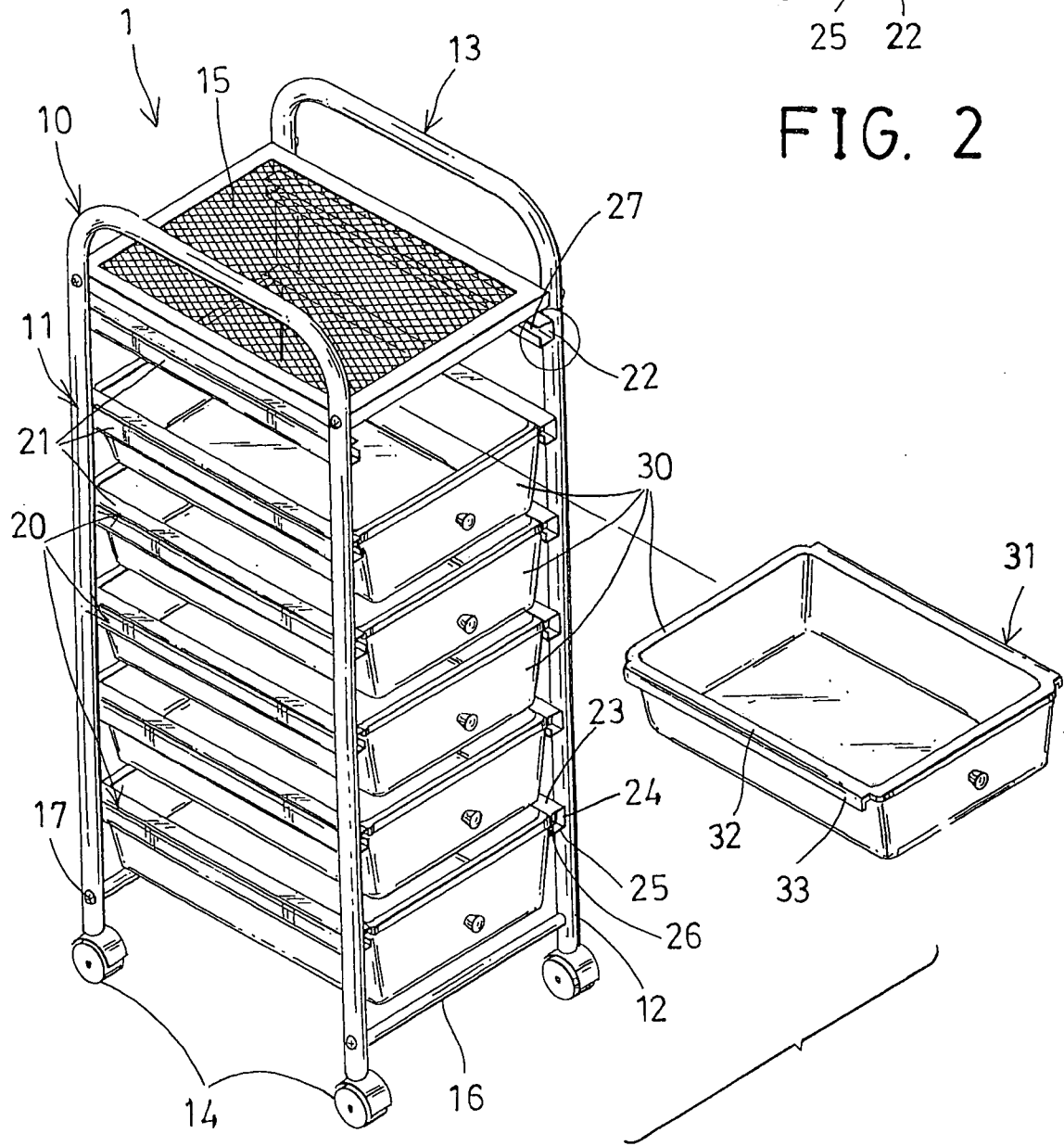


FIG. 1

FIG. 2

CABINET HAVING DRAWER ANCHORING DEVICE

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

[0002] The present invention relates to a cabinet, and more particularly to a cabinet including an anchoring device for slidably anchoring or coupling or securing a drawer to the cabinet and for preventing the drawer from being disengaged from the cabinet inadvertently.

[0003] 2. Description of the Prior Art

[0004] Typical cabinets or house buildings may comprise one or more drawers slidably anchored or coupled or secured to the cabinet or the walls of the house buildings.

[0005] For example, U.S. Pat. No. 4,640,200 to Richardson discloses one of the typical transaction drawers slidably anchored or coupled or secured to the wall of the house buildings with one or more track means.

[0006] The walls of the house buildings include a solid structure that will not be deformed or enlarged inadvertently such that the drawers will have no chance to be disengaged from the walls of the house buildings inadvertently, and such that the drawers are not required to be provided any safety anchoring device for slidably anchoring or coupling or securing the drawer to the walls of the house buildings and for preventing the drawer from being disengaged from the walls of the house buildings inadvertently.

[0007] However, for those cabinets made of wires or rods or beams or frames which may required be assembled or secured together with fasteners or the like, the wires or rods or beams or frames may have a good chance to be deformed or enlarged inadvertently such that the drawers will have a good chance to be disengaged from the cabinets inadvertently.

[0008] U.S. Pat. No. 5,496,105 to Czarnecky et al. discloses another typical cabinet having drawers with cover flanges, and the drawers are slidably anchored or coupled or secured to the cabinet with one or more slide mechanisms.

[0009] The cabinets also include a solid structure formed by a solid outer peripheral portion or wall that will not be deformed or enlarged inadvertently such that the drawers will have no chance to be disengaged from the cabinets inadvertently, and such that the drawers are not required to be provided any safety anchoring device for slidably anchoring or coupling or securing the drawer to the cabinets and for preventing the drawer from being disengaged from the cabinets inadvertently.

[0010] However, for those cabinets made of wires or rods or beams or frames which may required be assembled or secured together with fasteners or the like, the wires or rods or beams or frames may have a good chance to be deformed or enlarged inadvertently such that the drawers will have a good chance to be disengaged from the cabinets inadvertently.

[0011] The present invention has arisen to mitigate and/or obviate the afore-described disadvantages of the conventional drawers for the cabinets.

SUMMARY OF THE INVENTION

[0012] The primary objective of the present invention is to provide a cabinet including an anchoring device for slidably and stably anchoring or coupling or securing a drawer to the cabinet and for preventing the drawer from being disengaged from the cabinet inadvertently.

[0013] In accordance with one aspect of the invention, there is provided a cabinet comprising a receptacle including two frames, one or more pairs of tracks attached to the frames respectively, the tracks each including a tubular member having a bore formed therein and having a groove formed in an inner portion of the track and formed by an inner side wall, and at least one drawer including an anchoring device extended from each of two sides of the drawer for slidably engaging with the tracks and for slidably attaching the drawer to the receptacle, the anchoring devices each including an upper flange extended outwardly from the sides of the drawer and slidably engaged through the groove and into the bore of the track, and an anchor member extended from the upper flange for slidably engaging with the inner side wall of the track and for limiting the anchoring devices of the drawer to slide relative to the tracks and for preventing the drawer from being disengaged from the receptacle inadvertently.

[0014] The tracks each include an upper wall and a lower wall, and the inner side wall is extended from the lower wall and spaced away from the upper wall for forming the groove between the upper wall and the inner side wall. The tracks each include an outer side wall coupled between the upper wall and the lower wall and secured to the frames.

[0015] The receptacle includes a deck laterally coupled between the frames, and the deck is preferably detachably secured to the frames with fasteners. The receptacle includes one or more rods laterally coupled between the frames. The rods are also preferably detachably secured to the frames with fasteners.

[0016] The frames each include two posts spaced away from each other and parallel to each other, and the tracks are attached to the posts of the frames respectively. The frames each preferably include a handle laterally coupled between an upper portion of the posts, and the frames may preferably include a wheel attached to a bottom portion of each of the posts for allowing the receptacle to be moved elsewhere.

[0017] Further objectives and advantages of the present invention will become apparent from a careful reading of the detailed description provided hereinbelow, with appropriate reference to the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0018] FIG. 1 is a partial exploded view of a cabinet in accordance with the present invention having one of the drawers removed or disengaged from the cabinet;

[0019] FIG. 2 is an enlarged partial perspective view of the cabinet;

[0020] FIG. 3 is a front plan schematic view of the cabinet; and

[0021] FIG. 4 is an enlarged partial front plan schematic view illustrating the operation of the cabinet.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

[0022] Referring to the drawings, and initially to FIGS. 1-3, a cabinet 1 in accordance with the present invention comprises a receptacle 10 including two inverted U-shaped frames 11 each having two posts 12 that are spaced away from each other and parallel to each other, and each having a handle 13 laterally coupled between the upper portions of the posts 12, and each having a wheel 14 attached to the bottom portion of each of the posts 12 for allowing the receptacle 10 to be easily moved elsewhere. The receptacle 10 further includes a

net or a deck 15 laterally coupled between the upper portions of the frames 11, and one or more (such as two) rods 16 laterally coupled between the lower portions of the frames 11 for forming a spatial or three-dimensional structure for the receptacle 10. The posts 12 of the frames 11 and the deck 15 and/or the rods 16 may be secured together with such as latches or fasteners 17.

[0023] One or more pairs of track means or slide mechanisms or tracks 20 are further provided and attached or secured to the frames 11, such as secured to the posts 12 of the frames 11 respectively, for slidably attaching or supporting one or more drawers 30 in the receptacle 10. The tracks 20 each include a tubular member 21 having a bore 22 formed therein and formed or defined by an upper wall 23, an outer side wall 24, a lower wall 25, and an inner side wall 26, in which the outer side wall 24 is solidly formed or coupled between the upper wall 23 and the lower wall 25 and may be secured to the posts 12 of the frames 11 with such as latches or fasteners (not shown), adhesive materials, or by welding processes, and the inner side wall 26 is extended upwardly from the lower wall 25 but not formed or coupled to the upper wall 23 or is spaced from the upper wall 23 such that a groove 27 is formed between the upper wall 23 and the inner side wall 26 or formed in the inner portion of the track 20. The tubular member 21 may include, but not necessarily a circular or polygonal cross section, such as square or rectangular cross section.

[0024] The drawers 30 each include a slide member or anchoring device 31 formed or attached or extended laterally and outwardly from the upper portion of each of the two sides of the drawers 30 for slidably engaging with the tracks 20 and for slidably attaching or coupling the drawers 30 to the receptacle 10. The anchoring devices 31 each include an upper flange 32 laterally extended outwardly from the upper portion of the sides of the drawers 30 for slidably engaging through the groove 27 and into the bore 22 of the track 20, and an outer flange or anchor member 33 extended or dependent downwardly from each of the upper flanges 32 for slidably engaging with the inner side walls 26 of the tracks 20 (FIGS. 3, 4) and for guiding or limiting the anchoring devices 31 of the drawers 30 to slide relative to the tracks 20 of the receptacle 10 and thus for preventing the drawers 30 from being disengaged from the receptacle 10 of the cabinet 1 inadvertently.

[0025] It is to be noted that the cabinet 1 includes a light weight or simplified structure that may be easily disassembled or detached or disengaged to various parts and that may be easily assembled together by the users themselves. However, the frames 11 of the receptacle 10 may have a good chance to be lightly spaced away from each other inadvertently when the fasteners 17 have been loosened from the frames 11 of the receptacle 10, for example. The provision and the engagement of the downwardly extended or dependent upper flanges 33 of the drawers 30 with the inner side walls 26 of the tracks 20 of the receptacle 10 may slidably and stably and solidly couple the drawers 30 to the receptacle 10 and may prevent the drawers 30 from being disengaged from the receptacle 10 inadvertently.

[0026] Accordingly, the cabinet in accordance with the present invention includes an anchoring device for slidably

and stably anchoring or coupling or securing a drawer to the cabinet and for preventing the drawer from being disengaged from the cabinet inadvertently.

[0027] Although this invention has been described with a certain degree of particularity, it is to be understood that the present disclosure has been made by way of example only and that numerous changes in the detailed construction and the combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as hereinafter claimed.

I claim:

- 1. A cabinet comprising:
 - a receptacle including two frames,
 - two tracks attached to said frames respectively, said tracks each including a tubular member having a bore formed therein and having a groove formed in an inner portion of said track and formed by an inner side wall, and
 - at least one drawer including an anchoring device extended from each of two sides of said at least one drawer for slidably engaging with said tracks and for slidably attaching said at least one drawer to said receptacle, said anchoring devices each including an upper flange extended outwardly from said sides of said at least one drawer and slidably engaged through said groove and into said bore of said track, and an anchor member extended from said upper flange for slidably engaging with said inner side wall of said track and for limiting said anchoring devices of said at least one drawer to slide relative to said tracks and for preventing said at least one drawer from being disengaged from said receptacle inadvertently.
- 2. The cabinet as claimed in claim 1, wherein said tracks each include an upper wall and a lower wall, and said inner side wall is extended from said lower wall and spaced away from said upper wall for forming said groove between said upper wall and said inner side wall.
- 3. The cabinet as claimed in claim 2, wherein said tracks each include an outer side wall coupled between said upper wall and said lower wall and secured to said frames.
- 4. The cabinet as claimed in claim 1, wherein said receptacle includes a deck laterally coupled between said frames.
- 5. The cabinet as claimed in claim 4, wherein said deck is secured to said frames with fasteners.
- 6. The cabinet as claimed in claim 1, wherein said receptacle includes at least one rod laterally coupled between said frames.
- 7. The cabinet as claimed in claim 6, wherein said at least one rod is secured to said frames with fasteners.
- 8. The cabinet as claimed in claim 1, wherein said frames each include two posts spaced away from each other and parallel to each other, and said tracks are attached to said posts of said frames respectively.
- 9. The cabinet as claimed in claim 8, wherein said frames each include a handle laterally coupled between an upper portion of said posts.
- 10. The cabinet as claimed in claim 8, wherein said frames include a wheel attached to a bottom portion of each of said posts for allowing said receptacle to be moved elsewhere.

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