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18AUTOMATIC VENDING MACHINE

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ABSTRACT OF THE DISCLOSURE

An automatic vending machine includes an interlocking mechanism. The mechanism includes a combination of swingable locking means 4 for locking the product containing racks at predetermined storage positions in a storage space of a rack case, each of the locking means being placed between the adjacent product containing racks 2, a locking-means releasing slider 5, vertically movable, being provided, for each products containing rack, on the upper part of the front side of the rack case while being confronted with the locking means, and a locking-means linking slider 6, horizontally movable, being provided for each products containing rack. In the vending machine, in a state that the product containing racks are stored in the rack case, each locking means engages the side edges of the front ends of the product containing racks disposed on both side of the locking means, to thereby lock the product containing racks at their positions. When one of the product containing racks is pulled out by releasing the locking means associated therewith from being locked, the releasing motion of the locking means is successively transferred to the remaining locking means by way of the locking-means linking sliders, so that the locking means are swung to lock the related product containing racks at their storage positions.

FIG. 1