

ABSTRACT

PRODUCT DISCHARGING DEVICE

5 A product discharging device 20a including a lower
pedal 29 and an upper pedal 28 that move forward to and
backward from a product storage passage 13 and a pedal link
35 that links the lower pedal and the upper pedal,
regulating downward movement of a product by causing the
10 pedal link 35 to move downward in a standby state, and
discharging a lowest product downward by causing the pedal
link 35 to move upward in an activated state includes an
output gear 443 that is linked to a motor 43 via a worm
gear 441 and rotates by a driving force of the motor 43
15 transmitted via the worm gear 441 and a link lever 46 that
maintains the pedal link 35 in an upward-moved state when
the link lever comes in sliding contact with a cam portion
443a formed in the output gear 443 and allows the pedal
link 35 to move downward when the sliding contact with the
20 cam portion 443a is released.

(Fig. 2)