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(57) Abstract :
ABSTRACT The present disclosure introduces a portable turban pin straightener box 100 which is designed to efficiently straighten bent turban pins, extending their usability and reducing waste. The device features a cell opening 102 for pin insertion, central hole 104 and pin holding sections 106 to secure the pin, and a rubber roller 108 driven by a DC motor 110 to apply consistent pressure along the pin's length. A controller 112 manages the operation, while a combined start/stop button 114 initiates and halts the process. An LED indicator 118 provides real-time status updates, glowing red during straightening and green upon completion. The eject button 116 releases the straightened pin for easy retrieval. Powered by a rechargeable battery 120, the device is portable and user-friendly. This invention is a cost-effective device for maintaining turban pins, eliminating the need for cumbersome manual tools and minimizing metal waste.

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