

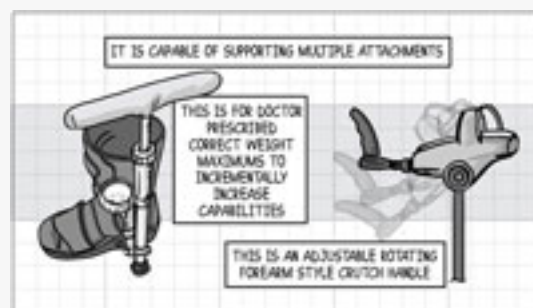
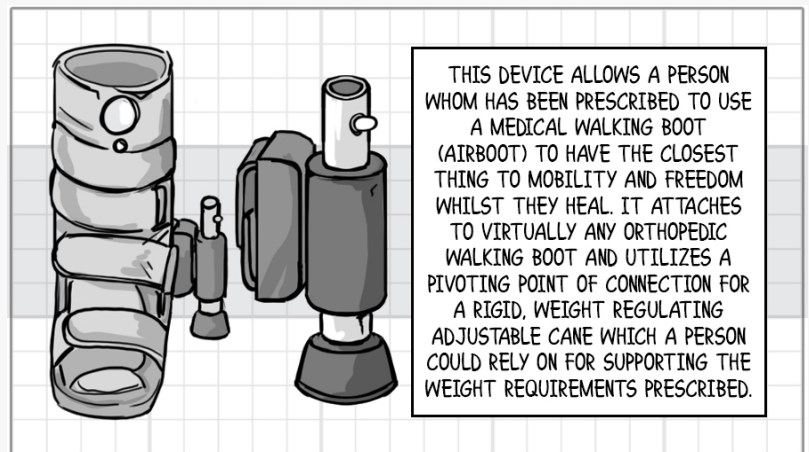
InventionHome® Inventor Creates Walking Boot Attachment with Integrated Weight-Sensing Cane for Enhanced Mobility

PITTSBURGH, PA, UNITED STATES,
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EINPresswire.com/ -- Aaron P. of Ariel, WA is the creator of the Crutch-free Air Boot, a mobility aid designed to attach directly to orthopedic walking boots, providing an alternative to traditional crutches. The device features a rigid, height-adjustable cane secured to the boot with a spring button locking mechanism and incorporates an integrated weight indicator dial to help users comply with prescribed weight-bearing restrictions during rehabilitation.

Patients recovering from foot, ankle, or lower extremity injuries often rely on crutches to maintain mobility. However, crutches can cause discomfort in the underarm and upper body and limit the user's ability to carry objects. Proper regulation of weight distribution is critical for effective healing but can be challenging to monitor with standard mobility aids.

The Crutch-free Air Boot system attaches a stainless-steel telescoping cane to the side of an orthopedic boot via a universal bracket and pivoting boot clip. Height is adjustable through a spring button mechanism with intermittent locking holes. The cane incorporates an air shock with a pressure gauge and a dial indicator that users calibrate using a bathroom scale to ensure the applied



weight matches physician-prescribed limits. Additional attachments such as an adjustable rotating crutch handle are available to enhance functionality.

Key features and benefits include:

- Integrated Height-Adjustable Cane Attachment: securely connects to walking boots with a pivoting low-profile clip and spring button locking mechanism for customized fit.
- Weight-Sensing Air Shock System: features a pressure gauge and dial indicator to monitor and regulate applied weight according to medical guidelines.
- Universal Mounting Bracket with Kickstand Foot: provides stable ground contact and supports user mobility without the need for traditional crutches.
- Modular Attachments: supports additional accessories including rotating crutch handles and weight sensors to customize user support.
- Crutch Replacement with Enhanced Comfort and Convenience: eliminates underarm discomfort and frees the user's hands, facilitating easier mobility and carrying capability during recovery.



This product delivers a technically advanced mobility aid solution for patients requiring controlled weight bearing without the ergonomic and practical drawbacks of conventional crutches. The device is suitable for use in clinical and home rehabilitation settings, supporting safe, efficient, and comfortable patient mobility.

Aaron filed his Utility Patent with the United States Patent and Trademark Office (USPTO) and is working closely with [InventionHome](https://www.inventionhome.com), a leading invention licensing firm, to sell or license the patent rights to his Crutch-free Air Boot. Ideal licensing candidates would be U.S. based product manufacturers or distributors looking to further develop and distribute this product innovation.

Companies interested in the Crutch-free Air Boot can contact InventionHome at member@inventionhome.com. Inventors currently looking for assistance in patenting, marketing, or licensing their invention can request information from InventionHome at info@inventionhome.com or by calling 1-866-844-6512.

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