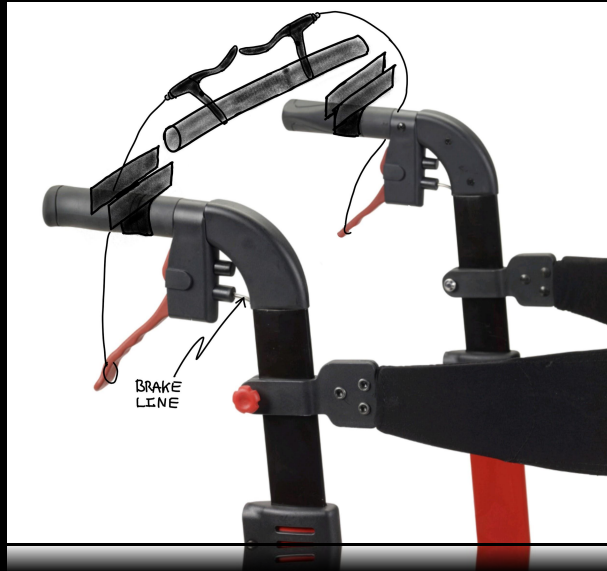




uOttawa

Design Day



A 2.3 One-Handed Walker Steering

By: Defne, Ekin, J  r  mie, Jorge and Saheel

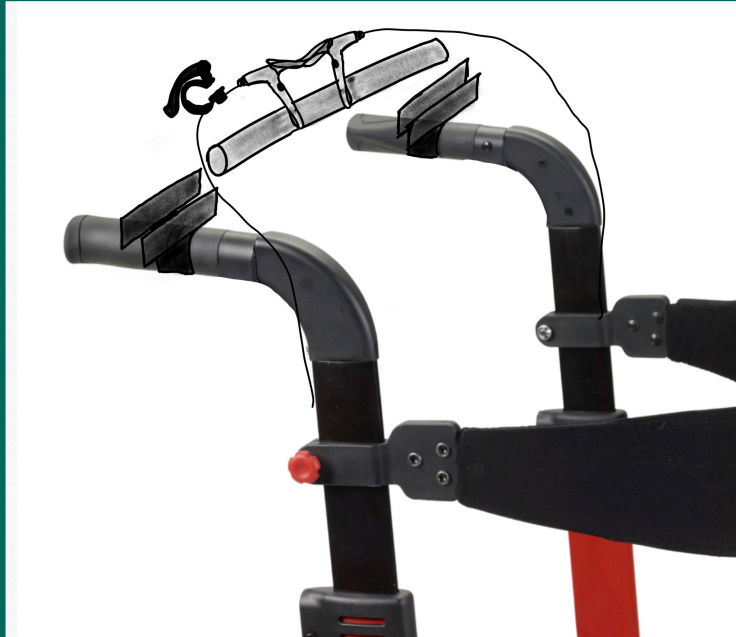
Background information about problem

- One handed operation
 - Detachable
 - Safe
 - Does not obstruct seat
 - Durable
-

“A need exists for walker users with one operational arm to safely and easily steer the walker with a straightforward, attachable device that is versatile, durable, and cost effective.”

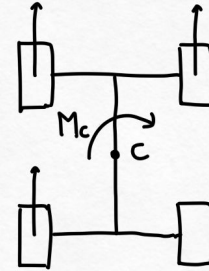
Our Solution & Concept

- Use of differential braking with centre mounted brakes to steer the walker



FBD: RIGHT BRK APPLIED

(Differential braking example) (All 4 wheels steerable)

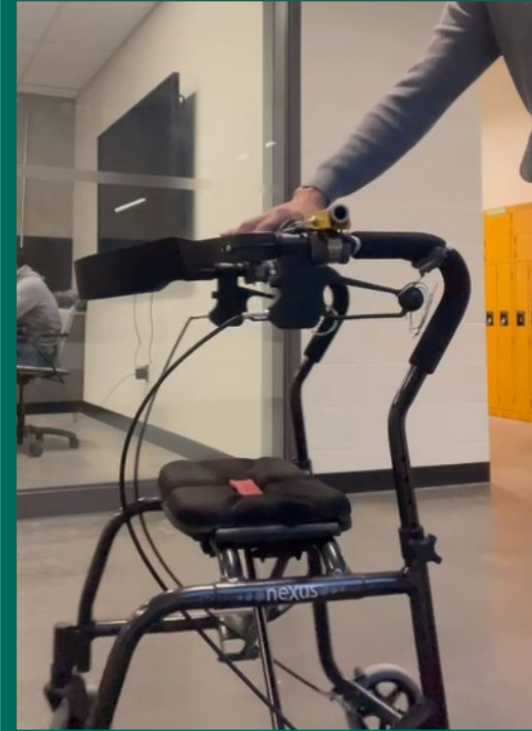


\Rightarrow Walker steers to the right

Finished Product



The device in operation



Thank you

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