

# Walking-Cane Leg-Lifter

*simple attachment to canes*

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Disclaimer: NIST does not endorse companies or products.

# Canes and Cane Accessories

- Canes are used for victim stabilization and/or minimized support
- Accessories are mostly wrist straps, stability bases, replacement rubber tips, and strap-type leg lifts.



[Foam Grip Replacement](#)

\$ 5.95



[Quad Replacement Rubber Tips](#)

\$ 9.95



[Ice Grip Attachment HS-32030](#)

\$ 11.00



[Replacement Rubber Tips](#)

\$ 3.00



[Cane Holder HS-10390](#)

\$ 9.95



[Able Tri Pod Base Only](#)

\$ 27.00



[Wrist Strap](#)

\$ 5.95



\$ 16.00

- Additional accessory needed for people with one nearly-immobile leg
  - e.g., stroke or accident victims having minimal use of one leg

# Leg Lifting with Canes

## Concept

- Canes are typically used as compression devices for stabilizing and supporting human load
- Solid staff can also be used for tension loading
  - e.g., Leg Lifting for stroke and accident victims.
  - With a secondary lifting attachment capability as cane stabilizer
  - Lift tab could instead be made as a horizontal disk to lift leg from any cane rotate-angle without having to rotate cane
- Victim typically has upper body strength to lift objects

## Pros

- Prevents caregiver back problems lifting leg for victim
- Victim increases mobility and independence
- Minimal training needed

## Cons

- Extra tab at base could hook on objects unintentionally
- Victim may not learn concept initially or at all depending on cognizant state (e.g., stroke victims)

# Cane Leg Lifter Attachment

Normal  
Walking  
Position  
(outside or  
forward)



Slide  
Lifter  
Under  
Foot



Ready position  
(rotate inside  
toward foot)

Use the cane to  
Lift the Foot !!

