CASE STUDY

mobilegs.com

Rethinking the Crutch.

A foot injury revealed just how punishing traditional crutches can be. Rather than accept pain, numbness, and awkward movement as inevitable, we re-imagined the crutch around the body itself.

Discover

The basic crutch had barely changed in generations. Hard under the arms, punishing on the hands, and awkward to move with, it asked the user to adapt to the object instead of the object adapting to the user.

Explore

We rethought every point of contact. A suspended saddle moved and flexed with the body. Sculpted hand grips spread pressure more naturally. A curved frame made room for the body in motion, and the rocker foot helped create a smoother, more confident gait.

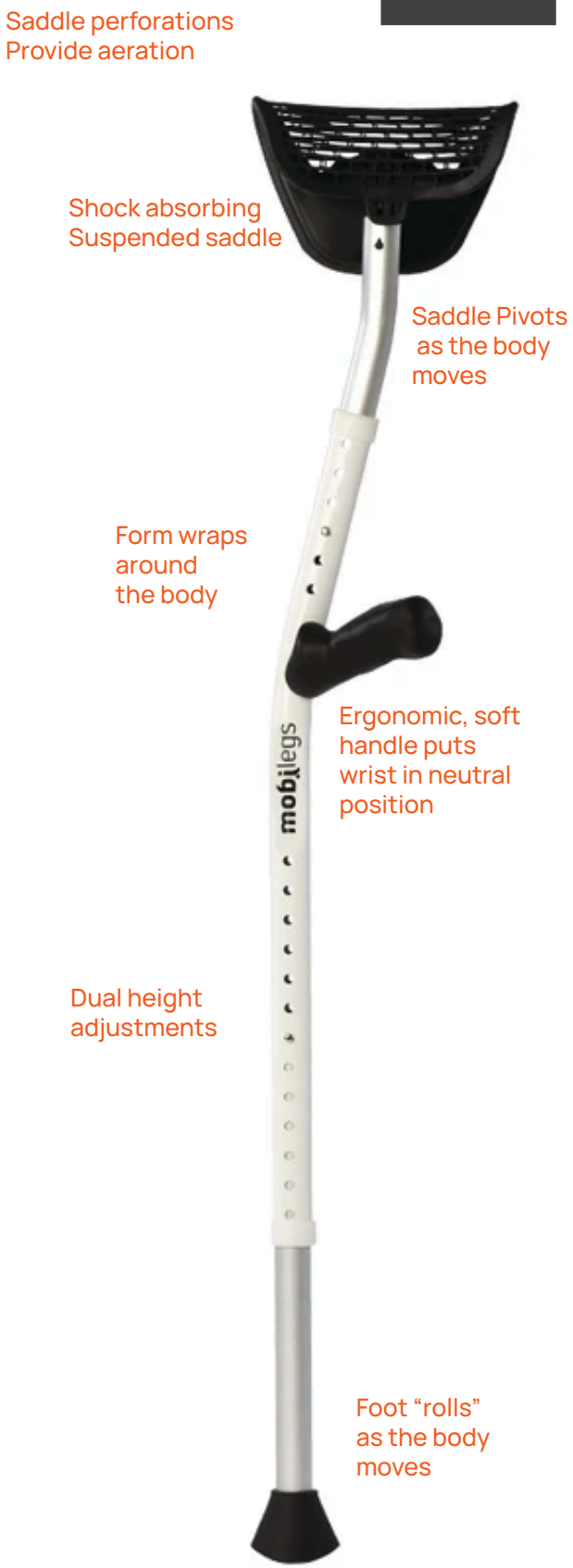
Create & Realize

The solution emerged through rapid prototyping, material studies, testing, and refinement. Quick experiments evolved into a coherent product system - one shaped by observation, iteration, and the realities of use.

Outcome

Mobilegs became more than a better crutch. It became the demonstration of what happens when an overlooked everyday object is reconsidered around the human experience.

"We set out to make a better crutch. We ended up creating a new category.



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Build to Learn.

A human-centric reinvention of the crutch, designed and developed through iterative prototyping, testing and refinement.

THE ORIGIN STORY

A foot injury put Jeff Weber on crutches - and within a day, the problems were painfully obvious. Traditional crutches were hard under the arms, punishing on the hands, and awkward to move with. They were causing secondary trauma. So we started over.



Through a hands-on process of Build to Learn: Making, testing, breaking, and learning, we rethought every point where the crutch meets the body and the ground.

Mobi Legs redefined what a crutch could be.



EVOLUTION



Discover → Explore → Create & Realize

