

Design for Product Management

Professor Karl T. Ulrich

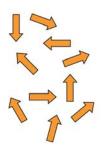
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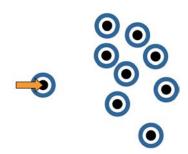
Problem Solving

"All life is problem solving." –Karl Popper

Innovation

New match solution and need.



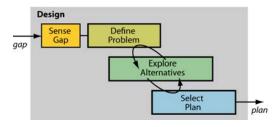


Design

Innovation when pulling from needs.

Industrial design Product design Landscape design Furniture design

Graphic design Engineering design etc.



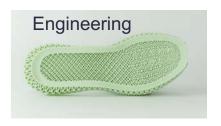
Design Thinking

Design process applied to something other than visible artifacts (e.g., services, processes, business challenges).



Karl T. Ulrich

Physical Goods





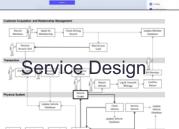
"designer"

Product Design

User Interface (UI) User Experience (UX)

Graphic Design Visual Design Identity







(e.g., Susan Kare – Pinterest)

Graphic Design Identity



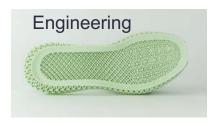
Digital Products



Services

Systems

Physical Goods





"designer" Product Design

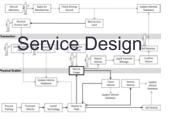
Digital Products



User Interface (UI) Visual Design Graphic Design User Experience (UX) Identity





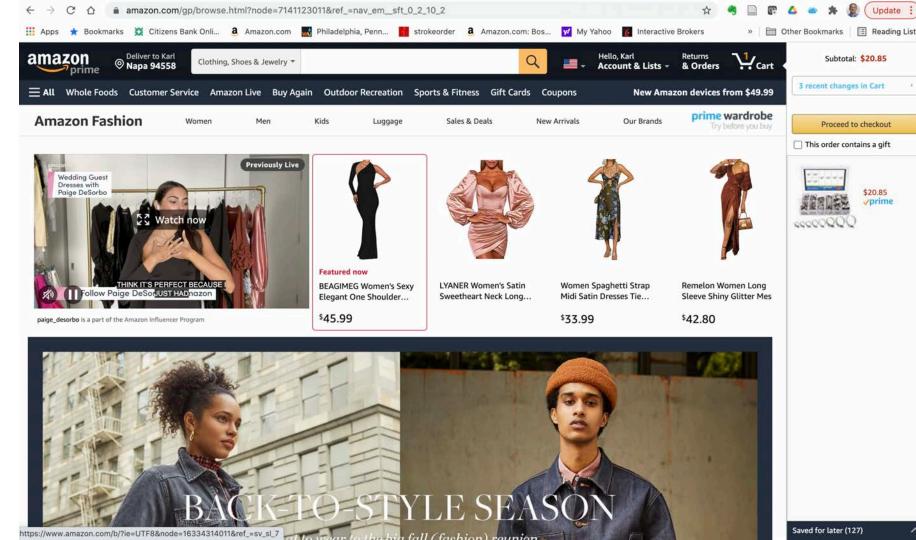


Graphic Design Identity

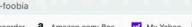


Update :

\$20.85 **v**prime



MEN



Available Online







Categories











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Q Search "Fall Fashion" here

Collections

LV VITESSE SPORTY SHORTS

\$1,300.00

















Reading List























Colors

- 0

ALL READY-TO-WEAR

LOUIS VUITTON





LV VITESSE SHORT-SLEEVED BOMBER JACKET

\$1,950.00





LV VITESSE T-SHIRT

\$890.00









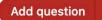


















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Tools

Pricing



David Cole ☺ Former Head of Design at Quo

Designers Will Code

Should designers code? It's an im that most designers can't and dor argue about theoretical ideals, bu debate irrelevant.

This is significant, because the at craftsmanship. It teaches you bot Jeremy Bell of *Teehan+Lax* argues way to work [1]:

We spend hours designing for a start by producing mockups the aesthetics but also how it works creative process.



Learn / Bubble / How to build a Quora clone without code

How to build a Quora clone without code

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0

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How to build Quora on Bubble



(e.g., css)

VS.

Figma and other tools.



Ulrich

Karl T.





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Community

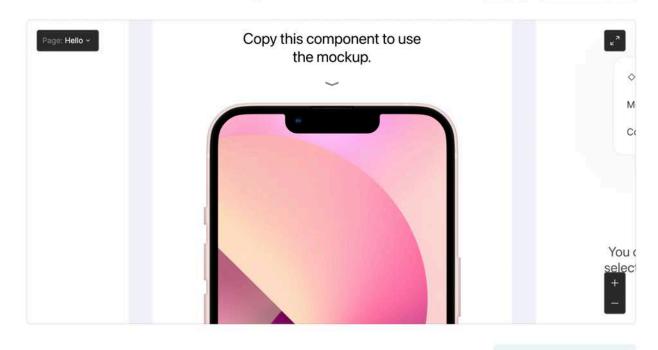
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Discussion

What product contexts justify "lan Spalter" levels of investment in design?

What approaches can product organizations with fewer resources use to get 80/20 results?









Ulrich

Karl T.



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Reading List

MEN WOMEN **NEW ARRIVALS**

allbirds

SUSTAINABILITY

STORES





Home / Women's Shoes /

Running Shoes

Running Shoes

Everyday Sneakers

Flats

Weather Repellent Shoes

Slip-Ons

High Tops **Boat Shoes**

Sandals

Filter By:

MATERIAL

Light & Breezy Tree Soft & Cozy Wool

BEST FOR

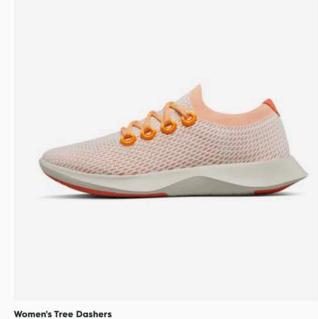
Running

Wet Weather

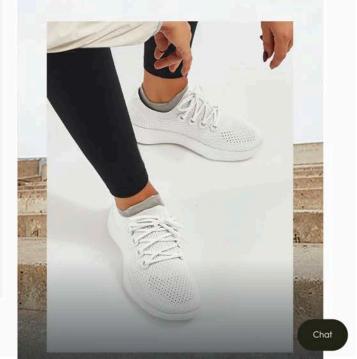
HUE

Women's Tree Dashers

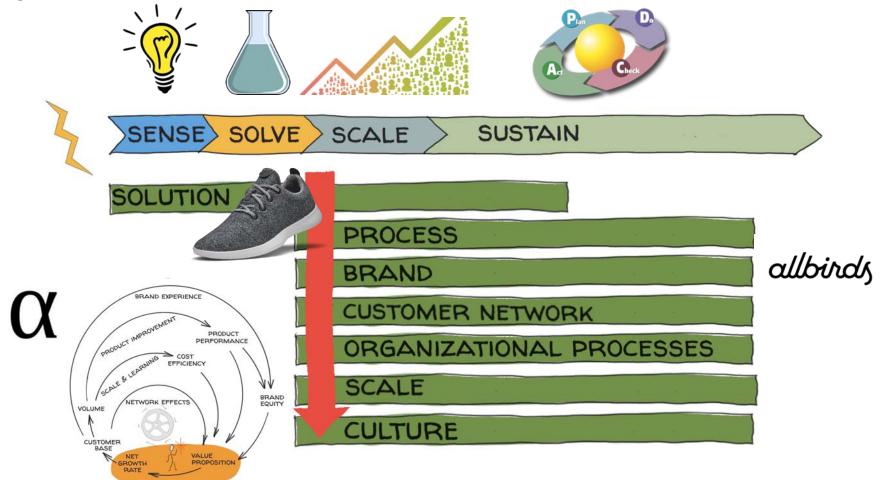
Our running shoe designed with breathable Tree material.



Mirage (Light Grey Sole) \$125



Alpha Assets – Start with the End in Mind

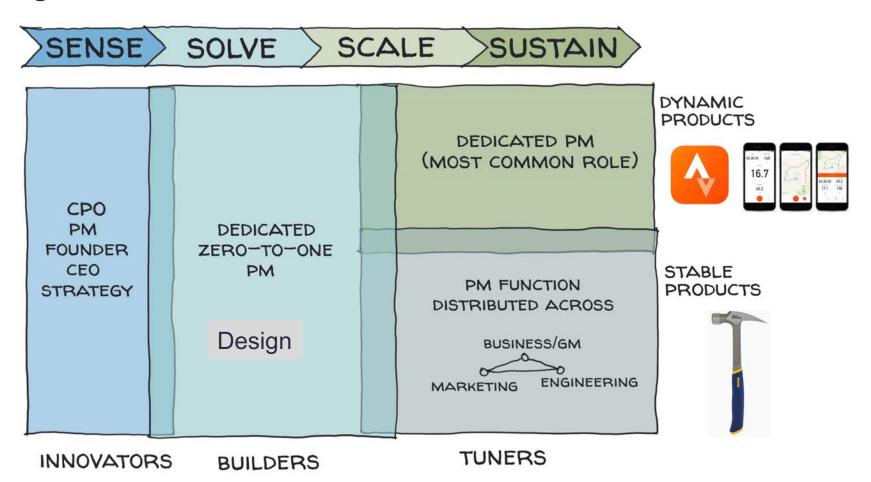


Core Principles of design (little d)

- Above all else make sure the user can do the job easily. Supremacy of clear, simple UI/UX, and fast tech that just works. Calibrated intuition useful, but data wins.
- Then, reinforce brand values with good aesthetics. (Plus, good aesthetics is an honest signal of other desirable attributes of the brand, e.g., care, quality, service.) Helpful if you as PM know it when you see it. If not, enlist a network of friends and colleagues with great taste.
- 80/20 on cost. Spend based on context (*Instagram* vs. *Allbirds* vs. *your side hustle*.) Agency pros are usually better, but can be really expensive.

Zero-to-One Physical Goods + Industrial Design

Design for PM



Aesthetics

Physical Goods





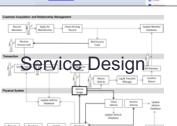
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Digital Products



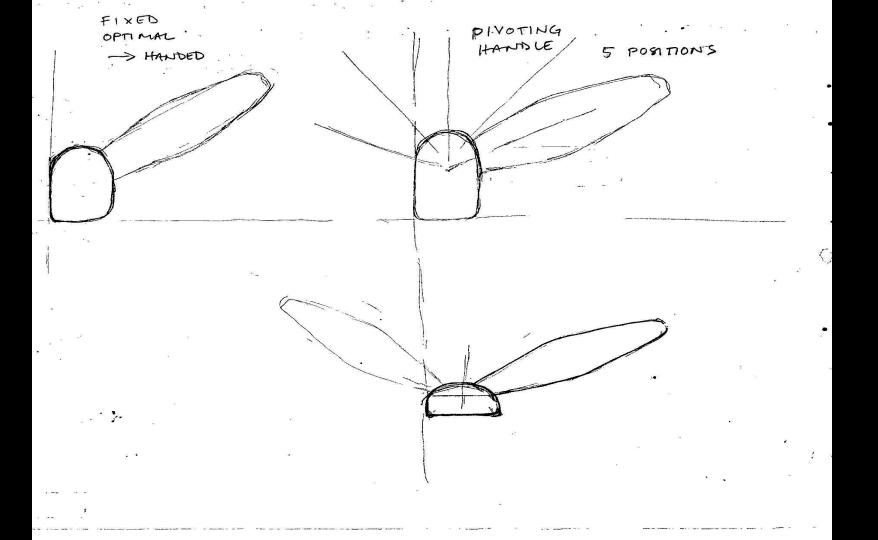
Services

Systems

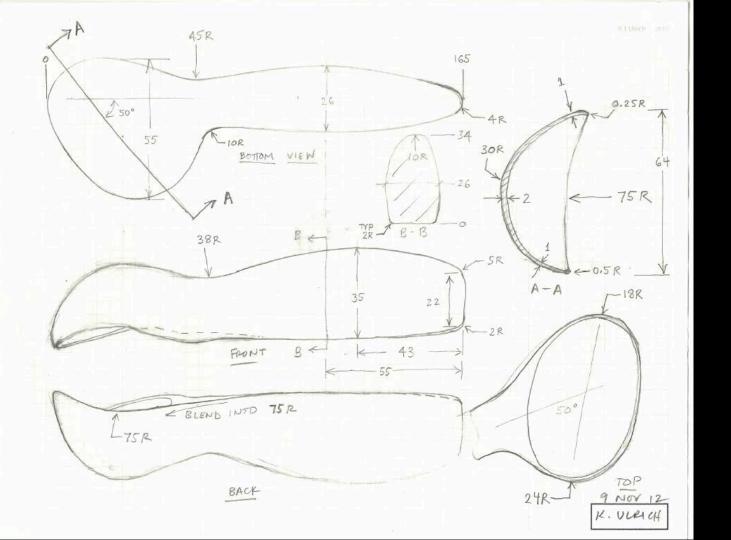






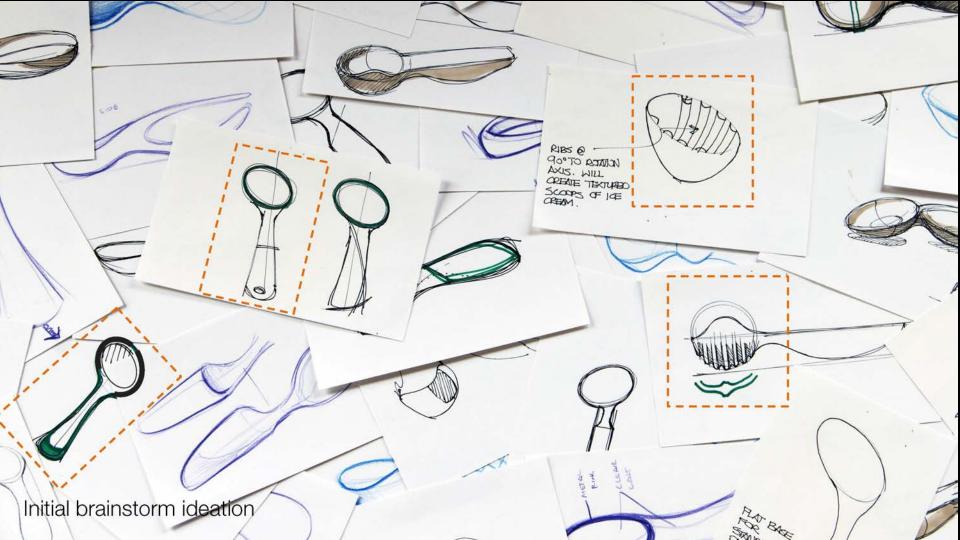


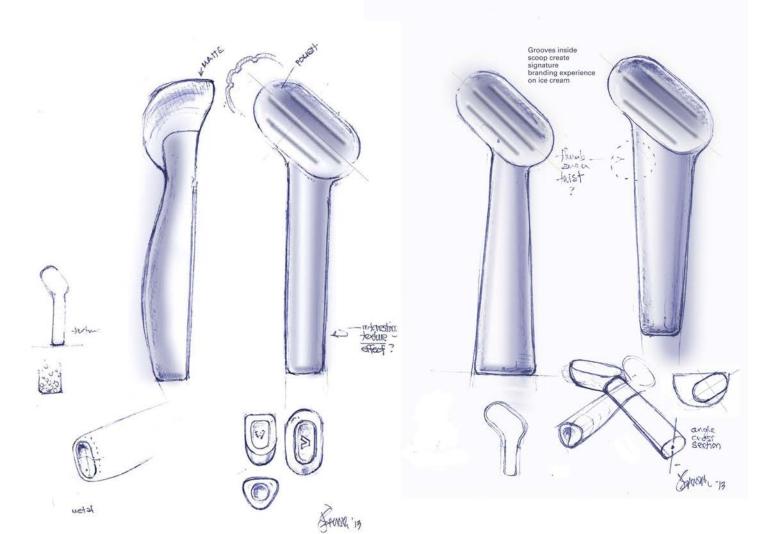


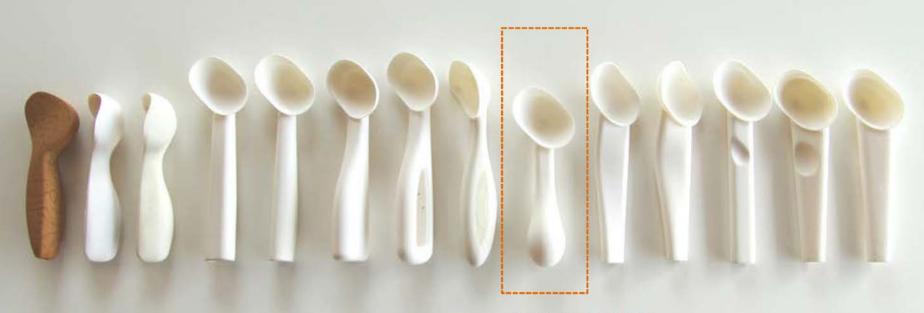






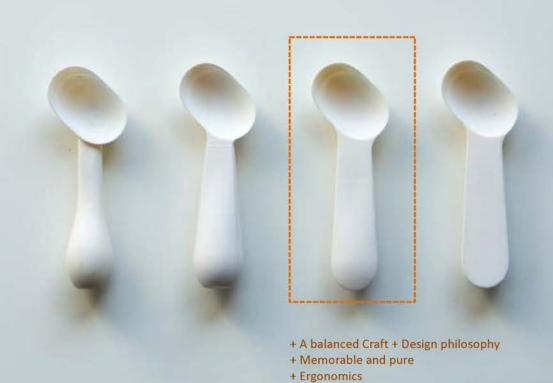




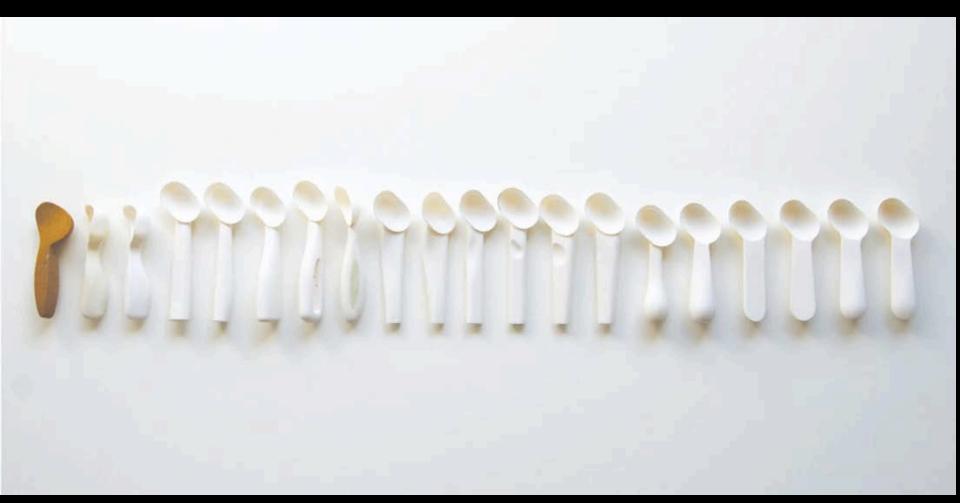


- + Distinctive (out OXO OXO!)
- + Speaks to ergonomics (out OXO OXO!)
- + Is ergonomic (out OXO OXO!)
- Challenging intersection between handle and scoop
- Lacking visual balance (a bit awkward)











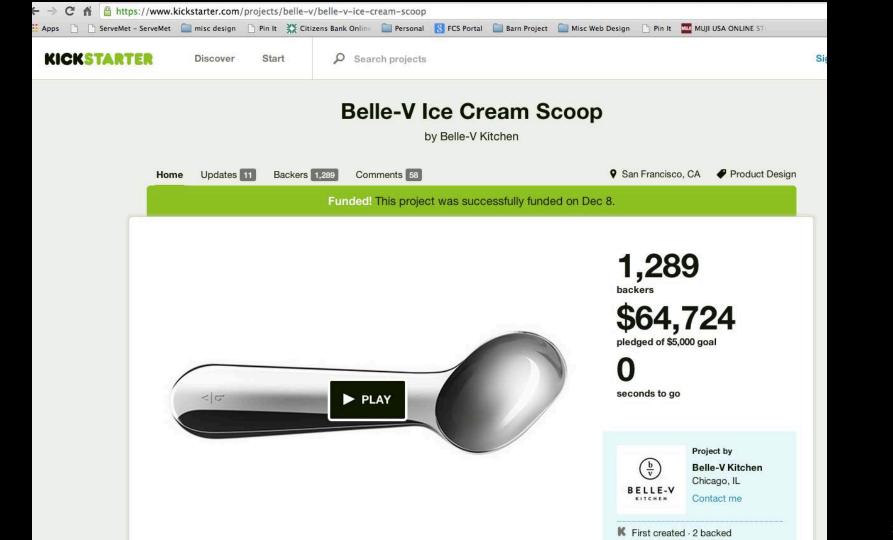








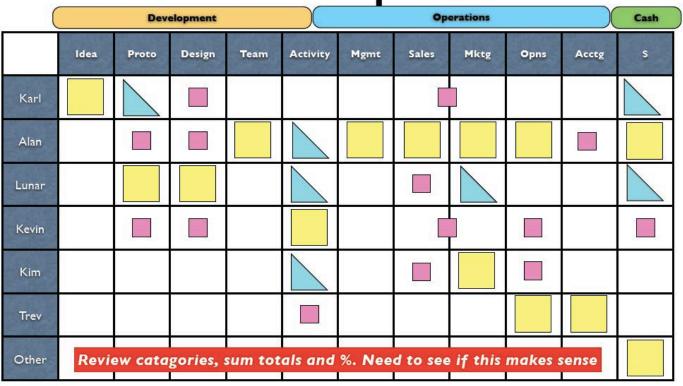








Ownership Model



(12) United States Design Patent (10) Patent No.: Ulrich et al.

(45) Date of Patent:

US D713,219 S ** Sep. 16, 2014

(54) ICE CREAM SCOOP

(71) Applicant: Belle-V, LLC, Chicago, IL (US)

(72) Inventors: Karl T. Ulrich, Philadelphia, PA (US); Jeffrey Allen Salazar, Palo Alto, CA (US); Alan J. Cook, Chicago, IL (US); Jeff Smith, San Francisco, CA (US); Kevin John Augustyniak, Elma, NY (US); Gerard Furbershaw, Menlo Park, CA (US); Kenneth D. Wood, Portola Valley, CA (US)

Assignee: Belle-V, LLC, Chicago, IL (US)

Term: 14 Years

Appl. No.: 29/468,569

Oct. 1, 2013

(52) U.S. Cl.

USPC

(58) Field of Classification Search

...... A47J 43/282 USPC D7/680-696, 368, 669, 395, 393; 30/324-328; 425/187, 276-286, 299, 425/DIG. 13; 294/176-180

See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

D475,899	S		6/2003	Ming-Shiue	D7/68
D501,374	S	٠	2/2005	Crowley	D7/68
D505,303	S	*	5/2005	Crowley	D7/68

* cited by examiner

Primary Examiner — Terry Wallace

(74) Attorney, Agent, or Firm - Michael J. Femal; Much

CLAIM

The ornamental design for an ice cream scoop, as shown.

DESCRIPTION

FIG. 1 is a perspective view of an ice cream scoop with a two piece handle showing our new design; FIG. 2 is a right side elevation of the ice cream scoop of FIG.

FIG. 3 is a left side elevation of the ice cream scoop of FIG. 1; FIG. 4 is a top end view of the ice cream scoop of FIG. 1;

FIG. 5 is a bottom end view of the ice cream scoop of FIG. 1; FIG. 6 is a top view of the ice cream scoop of FIG. 1; and

FIG. 7 is a bottom view of the ice cream scoop of FIG. 1. FIG. 8 is a perspective view of an ice cream scoop of an unitary construction showing our new design;

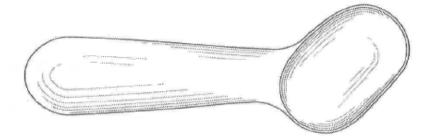
FIG. 9 is a right side elevation of the ice cream scoop of FIG..

FIG. 10 is a left side elevation of the ice cream scoop of FIG.

FIG. 11 is a top end view of the ice cream scoop of FIG. 8; FIG. 12 is a bottom end view of the ice cream scoop of FIG.

FIG. 13 is a top view of the ice cream scoop of FIG. 8; and, FIG. 14 is a bottom view of the ice cream scoop of FIG. 8.

1 Claim, 6 Drawing Sheets



Claim 1 from Utility Patent 9,173,527

- 1. An ergonomically designed ice cream scoop, comprising:
- a handle:
- and a scoop head integrally attached to the handle
 - having an irregular bowl for receiving an ice cream therein
 - with a generally spadeshaped leading edge
 - integral with a portion of the bowl and
 - extending outwardly therefrom for scooping an ice cream out of a container.
- wherein the bowl is generally an oblong shaped scoop member attached at one end of the handle at an approximately 45 degree angle from a longitudinal axis running the length of the handle.



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EVENTS

Silver

Kitchens | 2014

The Belle-V ice cream scoop is a solid aluminum scoop with a classic, ergonomic design that is made to last. The angled head works with the natural rolling action of a user's wrist to give maximum leverage to easily scoop the hardest ice cream. The spade-shaped edge helps users get into those hard-to-reach corners at the bottom of the ice cream container.

Designed by Jeff Salazar, IDSA, Karl Ulrich, Alan Cook, Gerard Furbershaw, Jeff Smith, Junggi Sung and Ken Wood of Belle-V



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AWARD CATEGORY
Product Design

YEAR 2014

Belle-V Ice Cream Scoop

by LUNAR

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Engineering, Industrial Design, Prod...



ABOUT | SELECTION PROCESS | DES

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id 72 · 1097

Interaction Design, Product Design, ...



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SF Prep



SWITCH

46



What's the Scoop?

- No product category is so mature you can't innovate.
- No product is so simple that it doesn't present commercialization challenges.
- Conceptual insight + excellent industrial design = wow product.
 - Business discipline also important!
- Crowdfunding can be a nice way to launch a product.
- Great product does not ensure a great stand-alone business.

