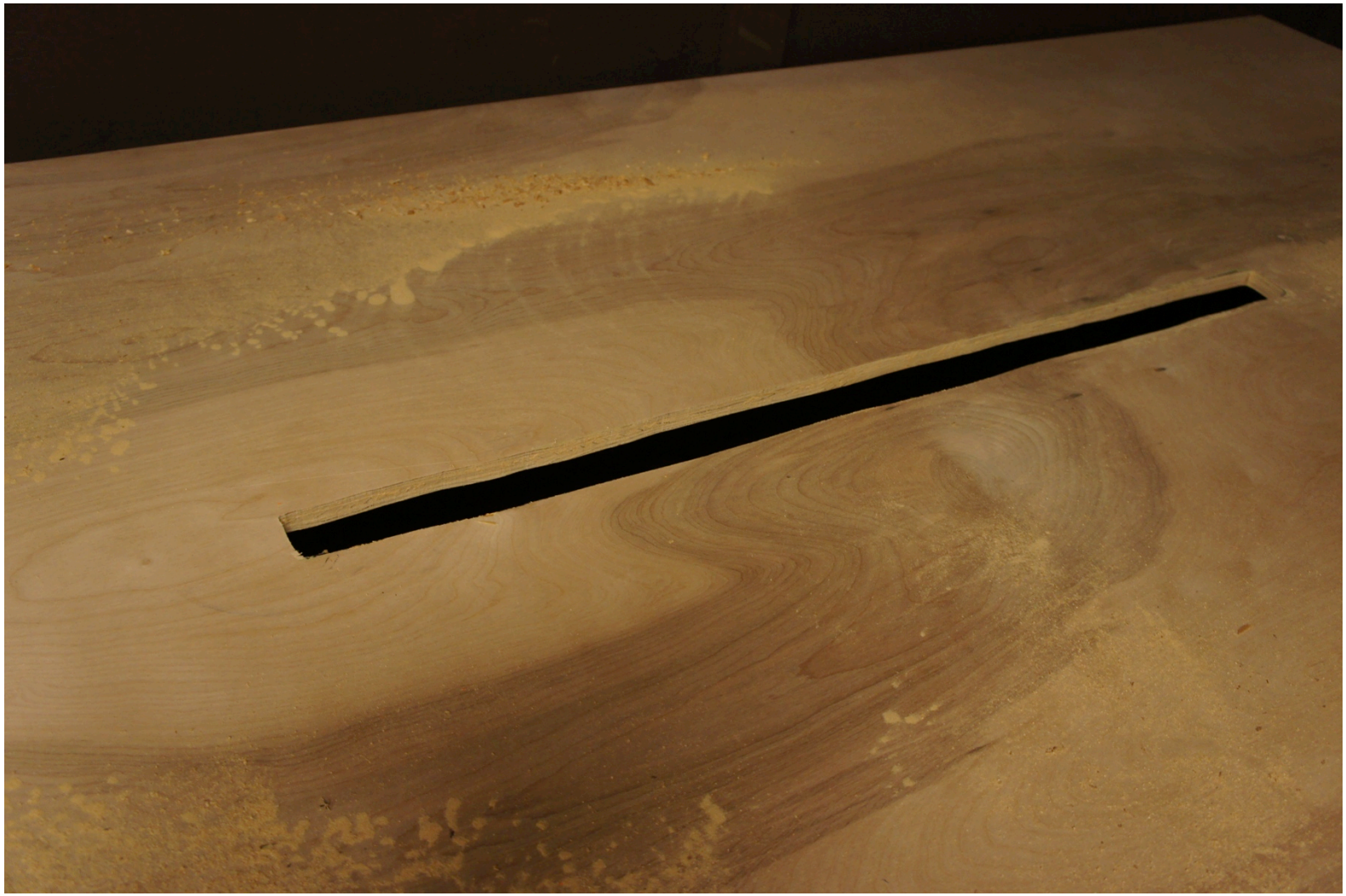
Form, Function and Instruction

Alicia Gibb

But first a table!

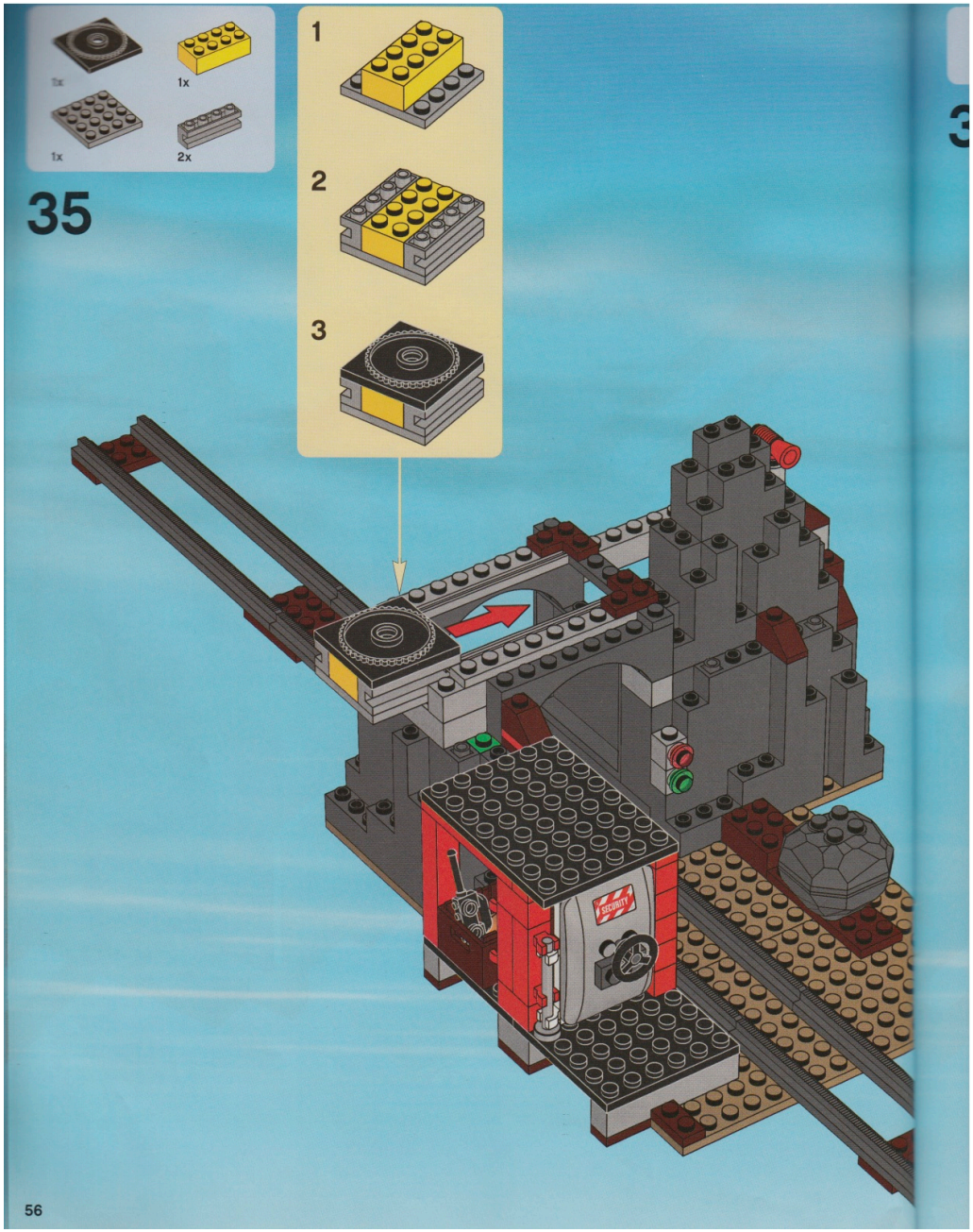
Step 1



Step 2

Step 3

Instructions


1x
1x
1x
2x
35
1
2
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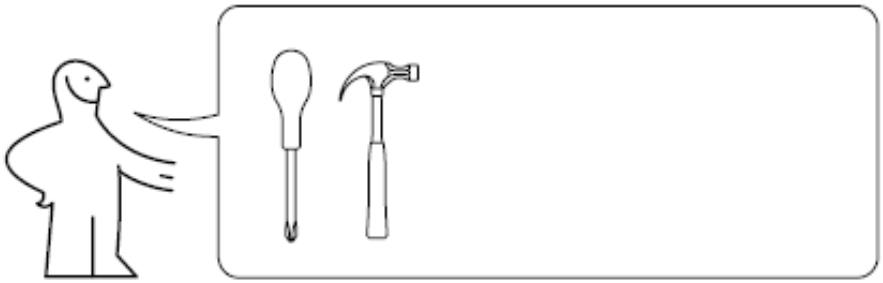
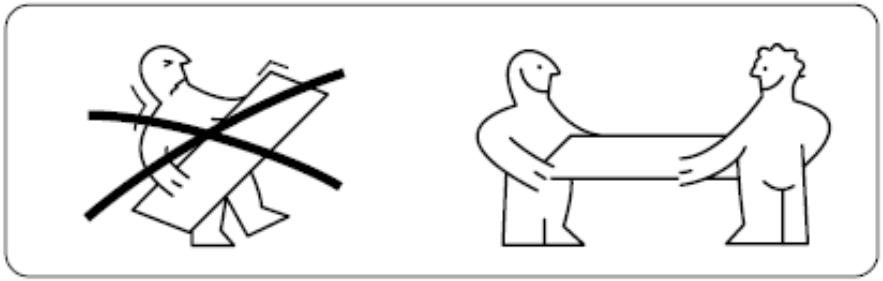
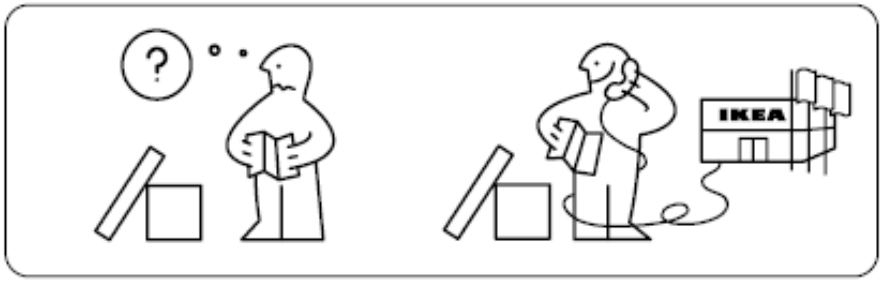
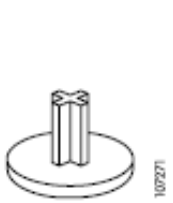
SECURITY









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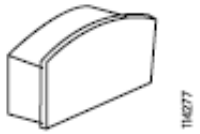


4x

4x

8x

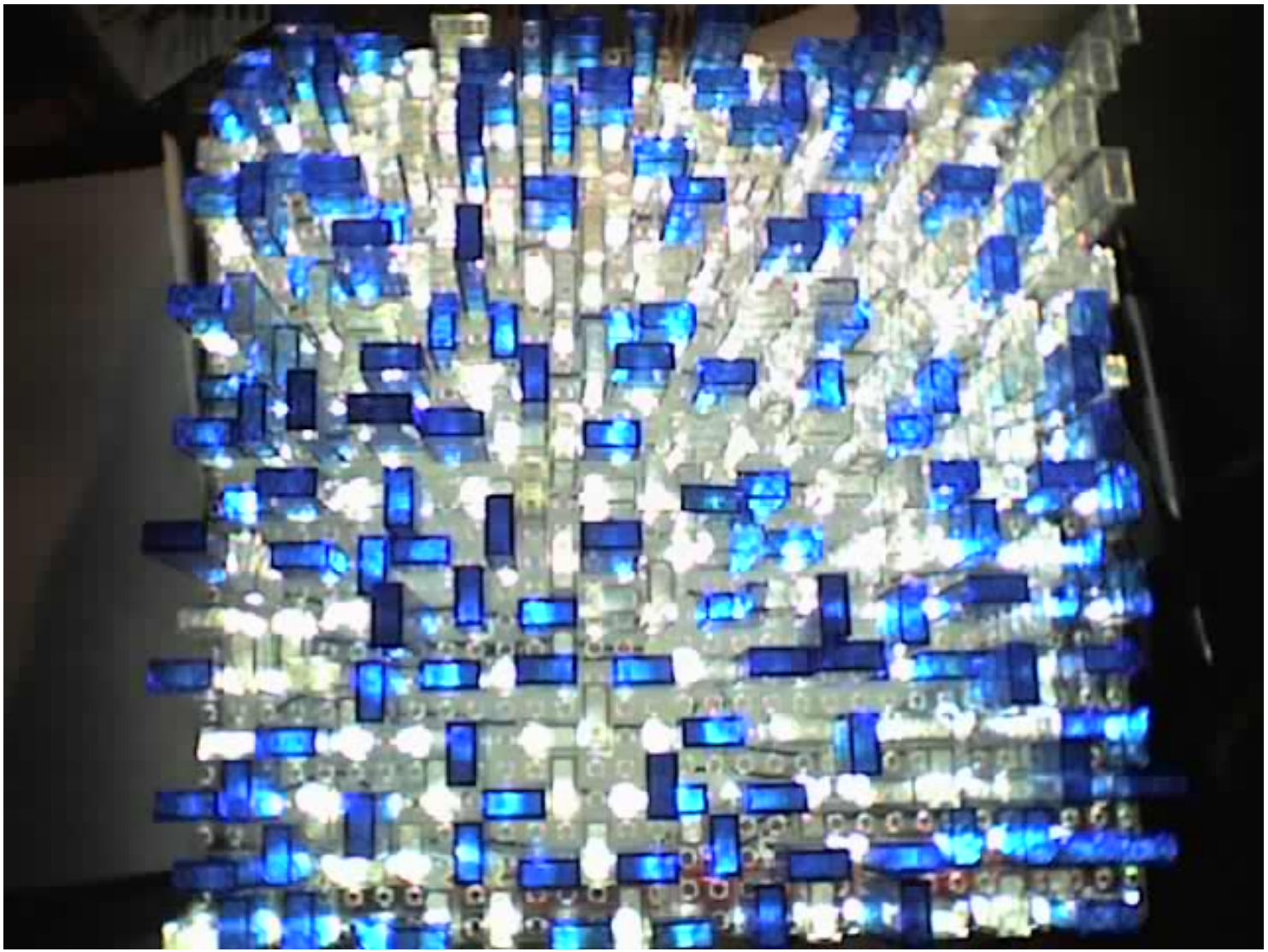
Inspiration

Changes for Parts IX and X

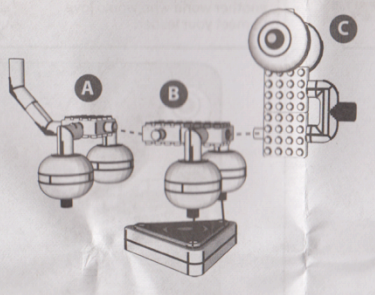
Changes to Parts IX and X are necessary to comply with new regulations that eliminated the advance ruling process. Until Form 1023 is revised to reflect this change, please follow the directions on this notice when completing Part IX and Part X of Form 1023. For more information about the elimination of the advance ruling process, visit us at IRS.gov. In the top right "Search" box, type "Elimination of the Advance Ruling Process" (exactly as written) and select "Search."

Changes to Instructions for Form 1023, Application for Recognition of Exemption Under Section 501(c)(3) of the Internal Revenue Code (Rev. June 2006)

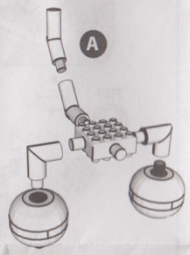
Grad School



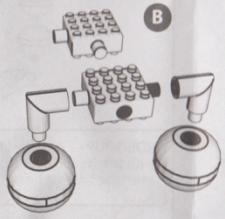

LASER PEGS
The Ultimate Toy For Kids
For Boys And Girls Ages 5 And Up
6 in 1
LIGHTED
CONSTRUCTION SET
670
ONLY AT
WARNING:
CHOKING HAZARD



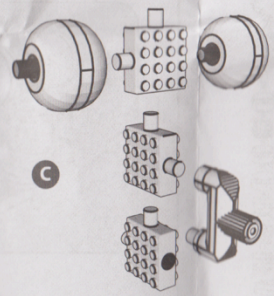
STEP 1



STEP 2

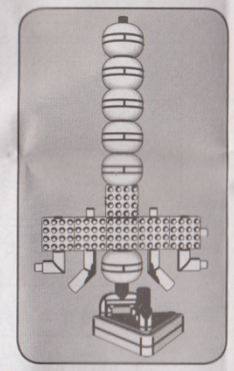


STEP 3

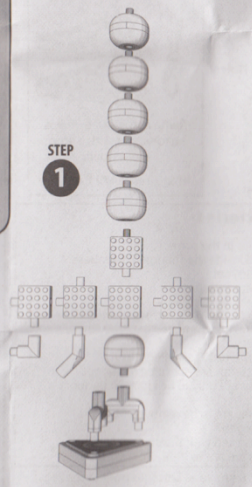


MODEL ROCKET — An elongated projectile which can be propelled to great heights through combustion.

FACTOID

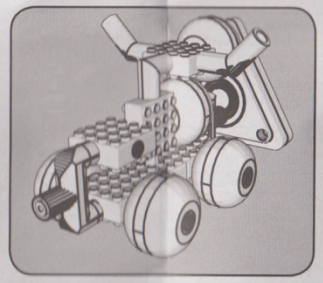


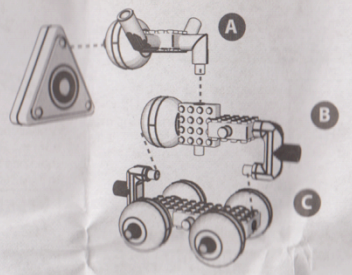
STEP 1



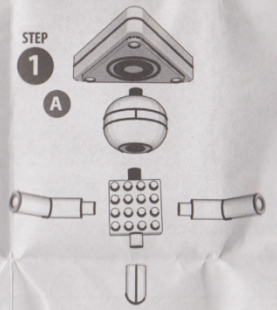
SPEEDSTER — A racing automobile built for super high speeds.

FACTOID

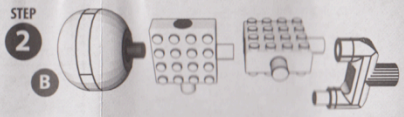




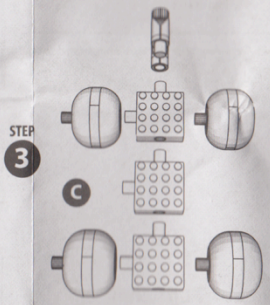
STEP 1



STEP 2

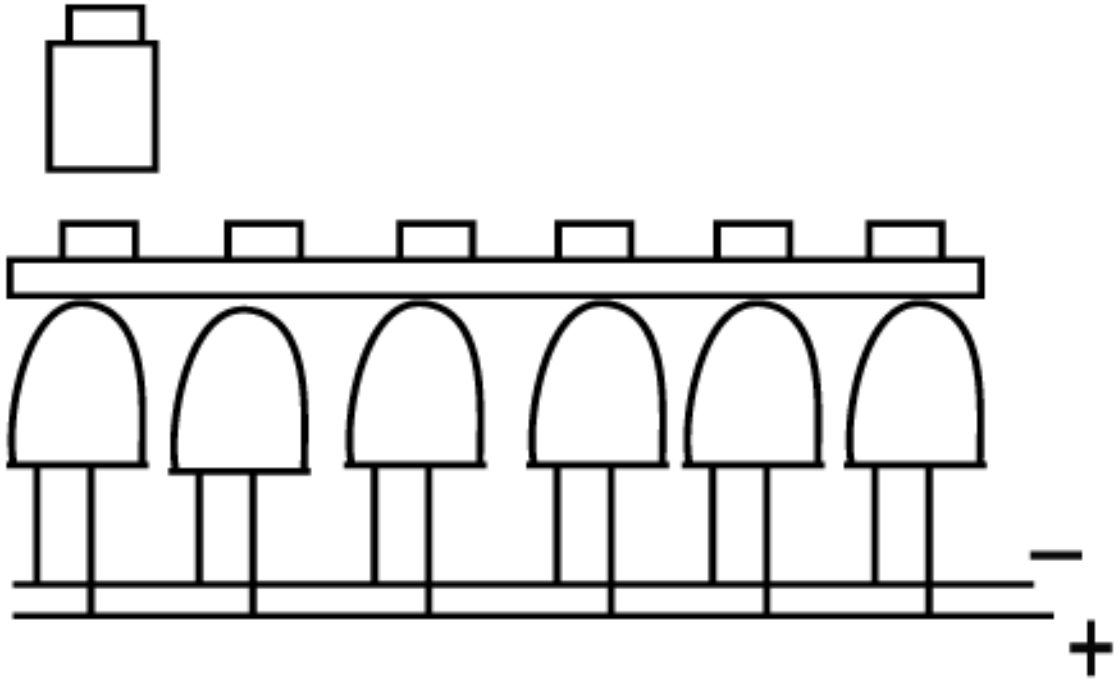


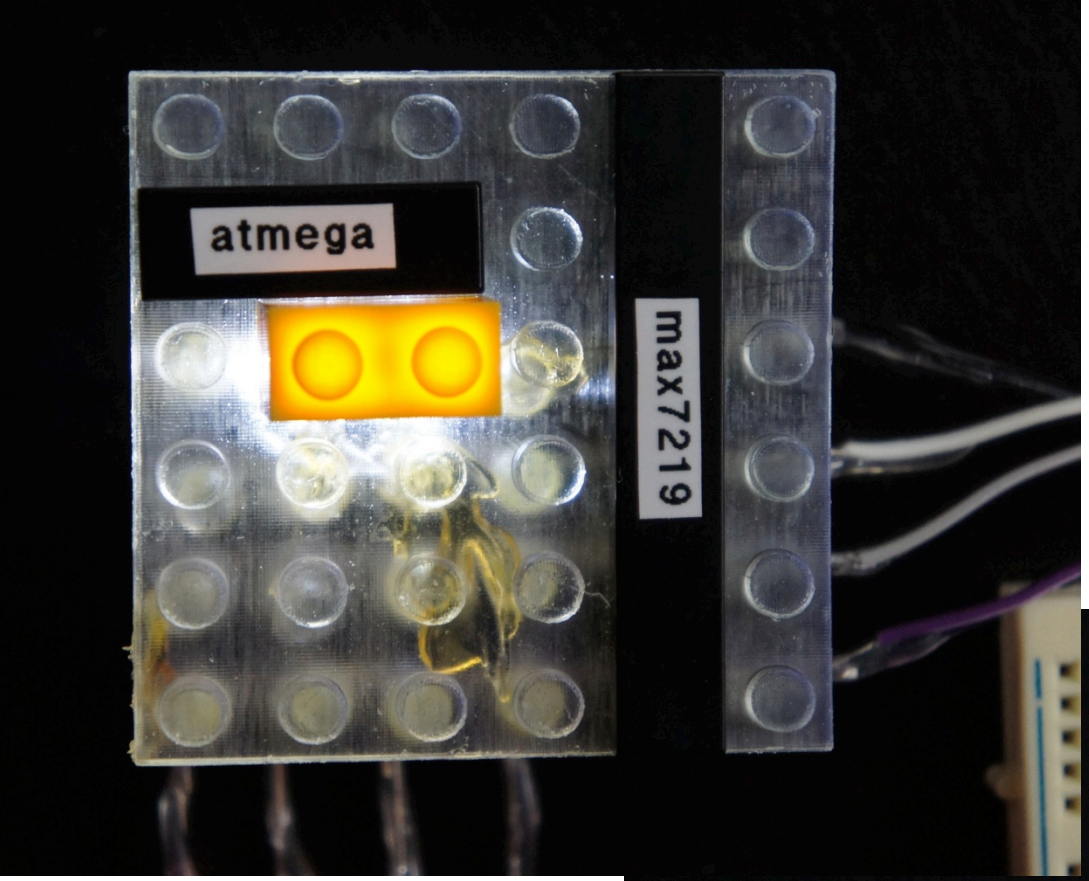
STEP 3

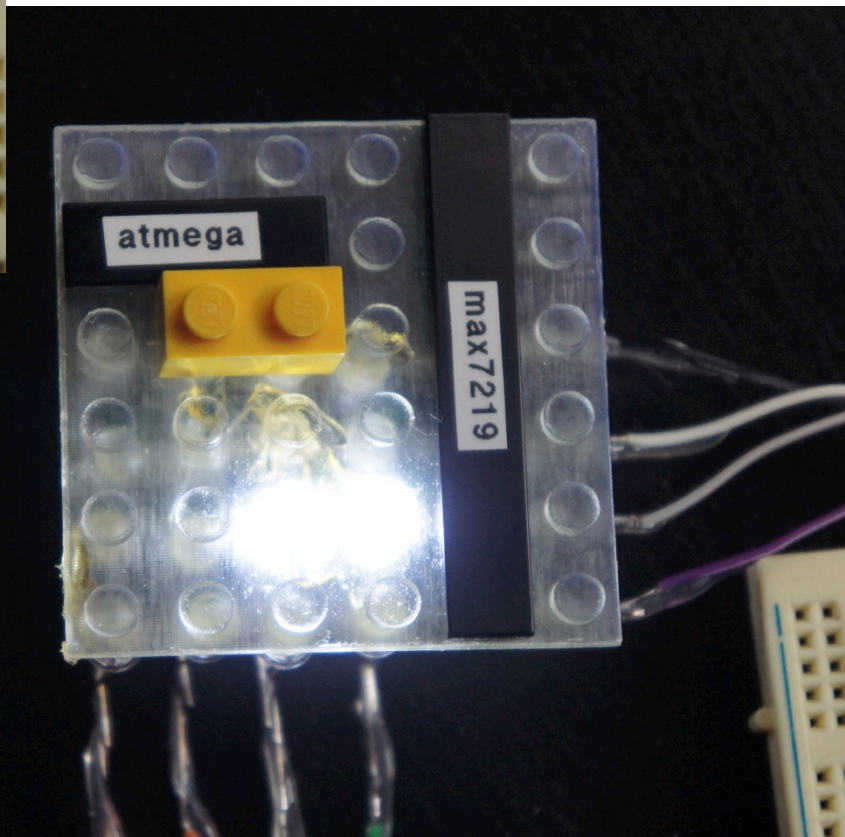


www.LaserPegs.com

Electronics under




atmega
max7219

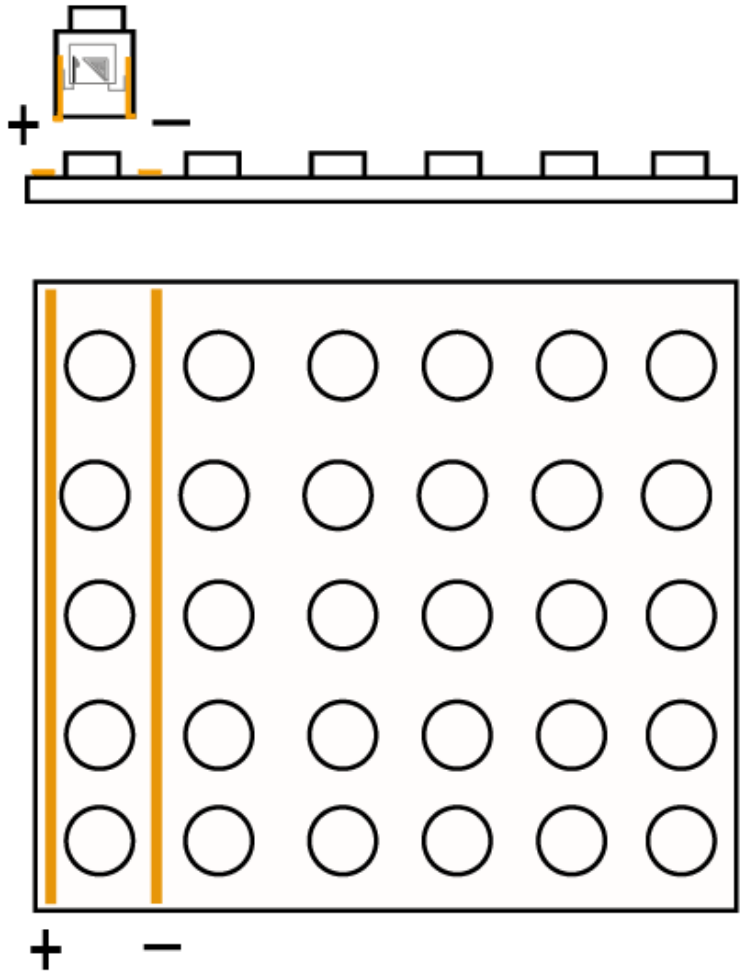

atmega
max7219

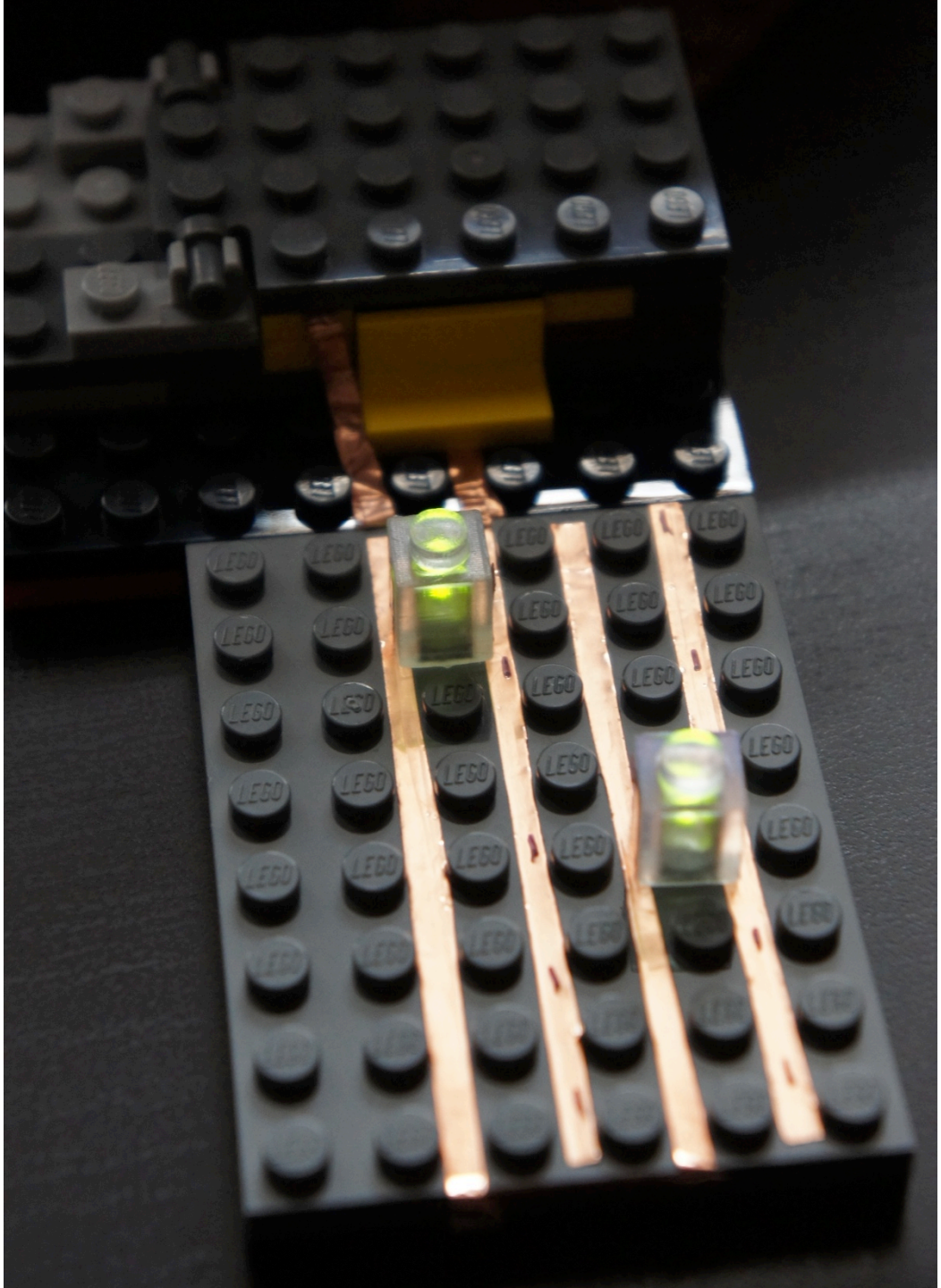
Problems

- No Z access available to the LEDs if using opaque Legos

- Clear Lego baseplates are almost non-existent

Electronics on top

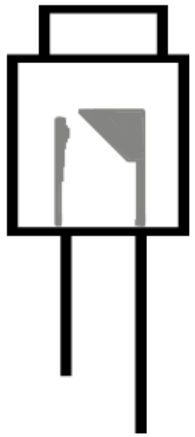



LEGO

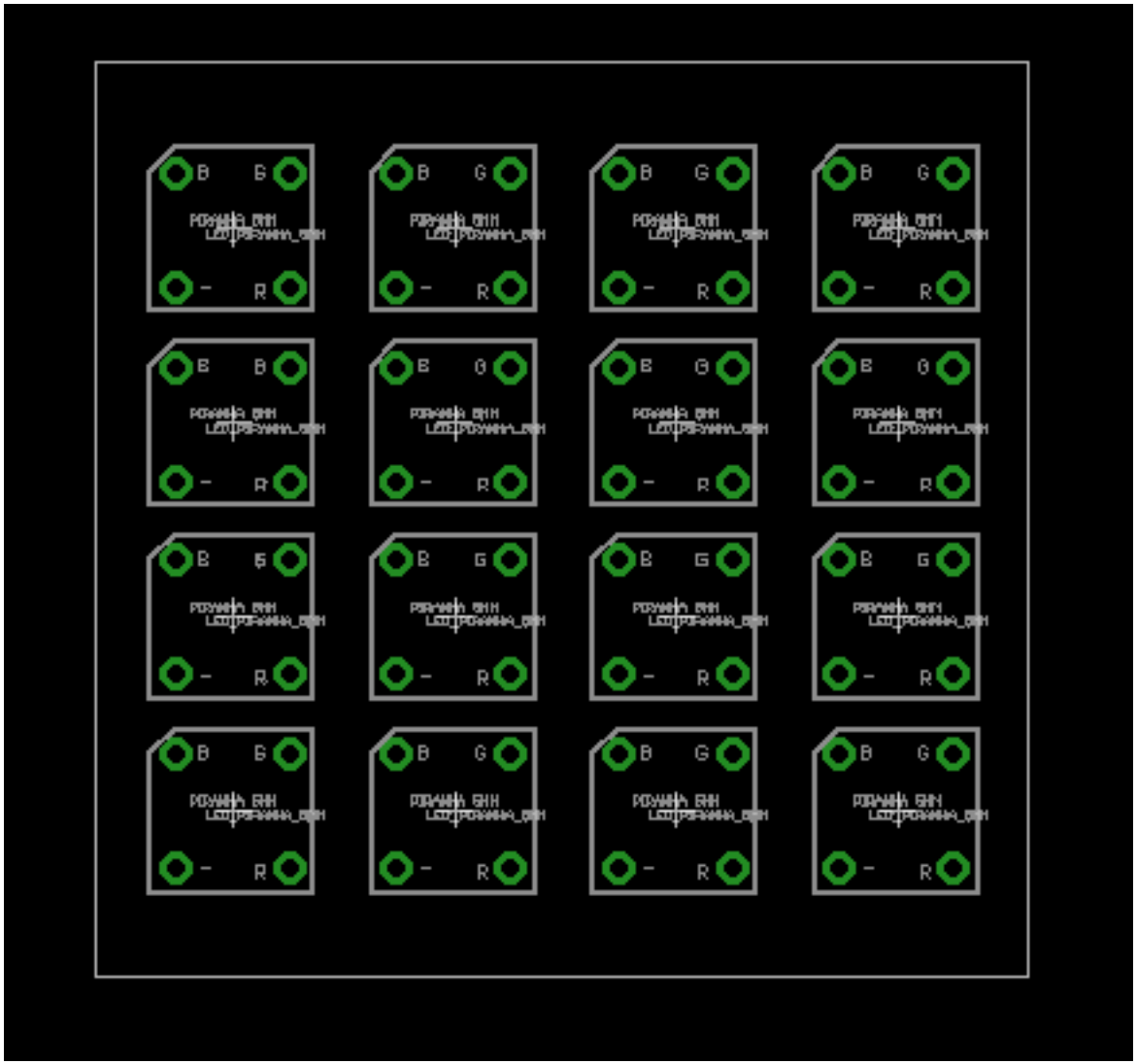
Problems

- Pressure fit for the legos to make a good enough connection
- LEDs are really difficult to affix in Legos
  - Potential solution: 3D print the LEDs and leads into the Lego block
- Copper tape is not a good solution for production
- Isn't really embedded instruction

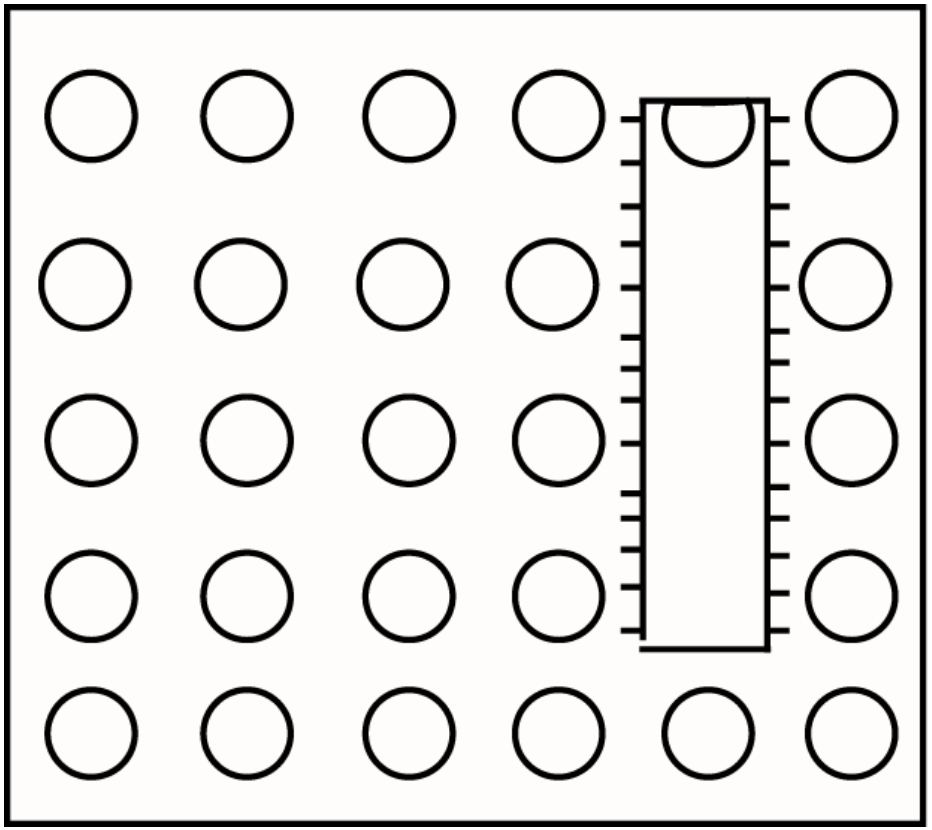
Shaped epoxy on LEDs



Through hole Lego PCBs



And the chips



Problems

- Heat of a soldering iron on plastic baseplates

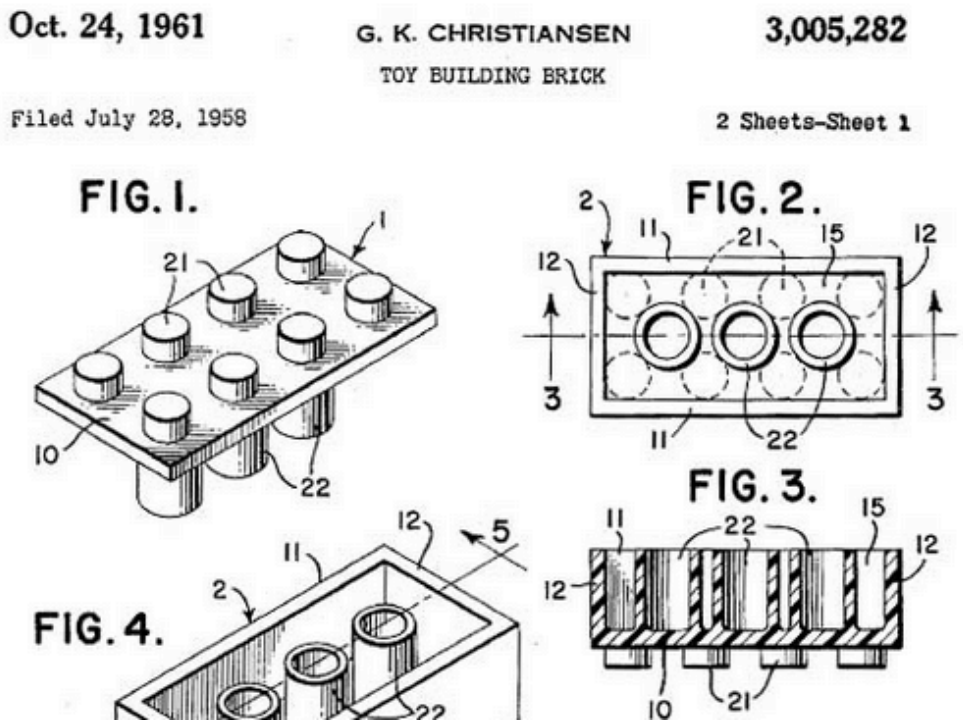
  Question: Is there a silicon spec that high?

Still have a potential problem of the Z axis, but there could be a way to string leads through multiple layers of LEDs.

boing boing

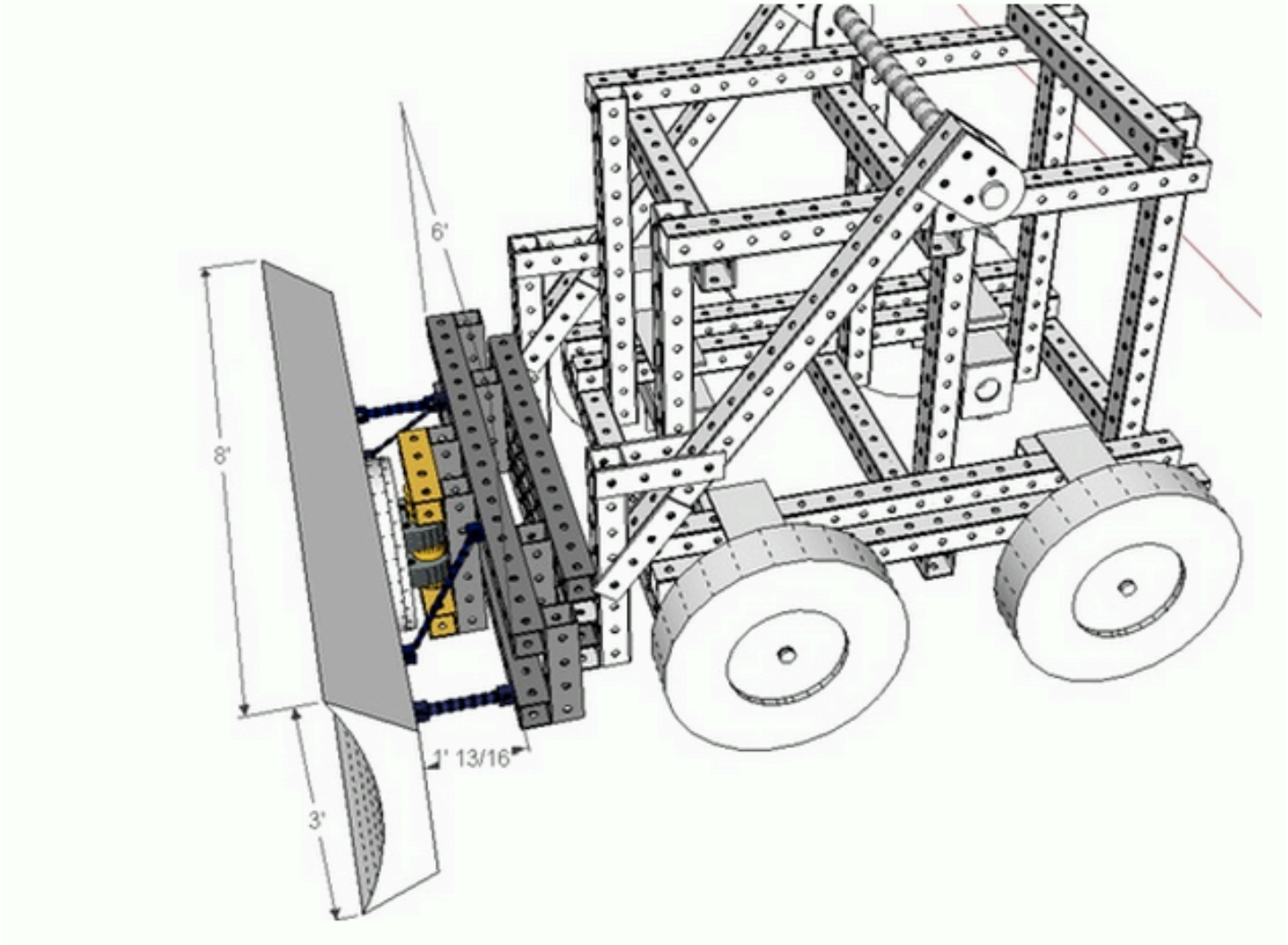
Expired patent of the day: Lego

Rob Beschizza at 1:07 pm Fri, Oct 21, 2011



Embedded Instructions

Global Village Construction Kit



Open Hardware Summit 09/06/2013

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