



**COMPU** Craft  
Fabricators Inc.  
Precision Metal Components



*Part of the Month*

## Fireworks Launcher?

While you could easily fit a few dozen bottle rockets inside this hopper, you won't see it being used to launch fireworks this 4th of July. Instead our Part of the Month for July is destined for the pharmaceutical industry. This part is made from 316 stainless steel with a #4 brushed finish. Starting with a flat pattern cut on our laser, the part is then rolled into an offset cone. Next the seam and flanges are welded, followed by a trip to our grinding room to have everything polished back to a pharmaceutical grade finish. Once the part passes inspection it heads off to its new life delivering powder to a tablet pressing machine.



### Quiz:

The Declaration of Independence famously begins with these words: "When in the course of human events."

With what words does the text end?

- "with liberty and justice for all."
- "we mutually pledge to each other our lives, our fortunes and our sacred honor."
- "all political connection between them and the state of Great Britain, is and ought to be totally dissolved."
- "and by the authority of the good people of these colonies, solemnly publish and declare, that these united colonies are, and of right ought to be free and independent states."

### Problem:

You are trapped in a room with two doors...One door leads to certain freedom and the other leads to a ton of spiders that you'll be locked in with. You don't know which door goes to the spiders and which door gets you out. To figure out which door to choose, you get to ask one of two guards present in the room one question. One guard always tells the truth and the other guard always lies. You don't know which one is honest and which one is the liar. If you just guessed, you'd have a 50-50 shot. What is your question and which guard will you ask?

\* Please be sure to check our website for answers to all previous months Problems and Quizzes! Go to [www.metalwork.com](http://www.metalwork.com) and click on Problem of the Month link.

### Quote:

"All that we are is the result of what we have thought."

*~ Buddha ~*

Sheet Metal  
Welding & Brazing

Machining  
Laser Cutting

Enclosures  
Polishing

## Complete Assembly, Sheet Metal, Machined and Welded Components.

- >ISO 9001 certified Quality Management System.
- >Certified Welding to MIL\_STD\_1595a for processDTW Group 1b, 1a.
- >100% in-process inspection.
- >Certified inspection reports.

### All CAD Formats:

Solidworks (sldprt, sldasm), AutoCAD (dwg, dxf), Inventor, Pro/E, CATIA 4/5, Unigraphics, Parasolid, ACIS SAT, iges, step, ckd, prt, stl

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