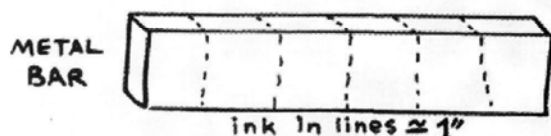
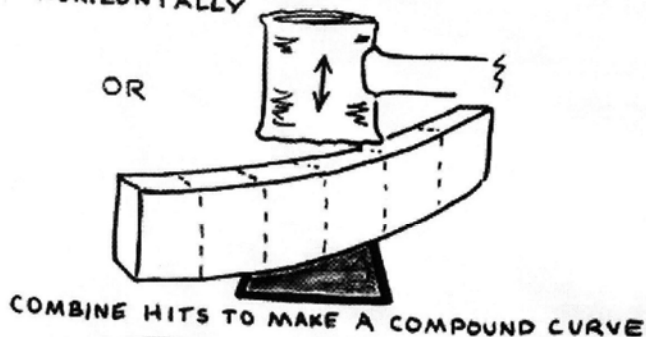
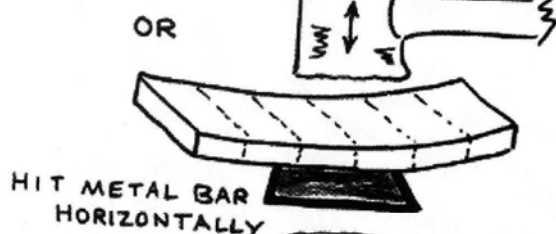
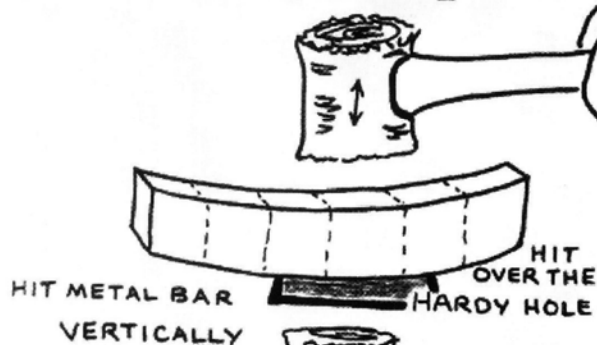


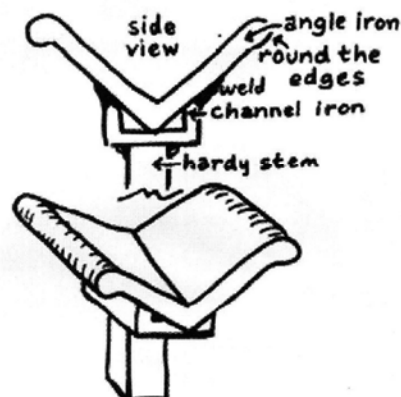
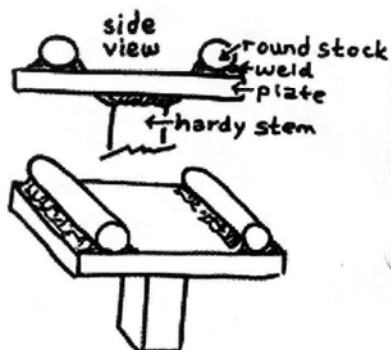
COLD SHAPING HINTS: Shaping over a hole with a mallet (leather or aluminum) to prevent marring the metal bar... from Doug Kluender



KEYS: 1. Using the inked lines on your metal bar, hammer from the center & hit out to your desired form.
 2. First hammer the line marks, then hammer in between.
 3. The closer the blows of the hammer, the smoother the curve.

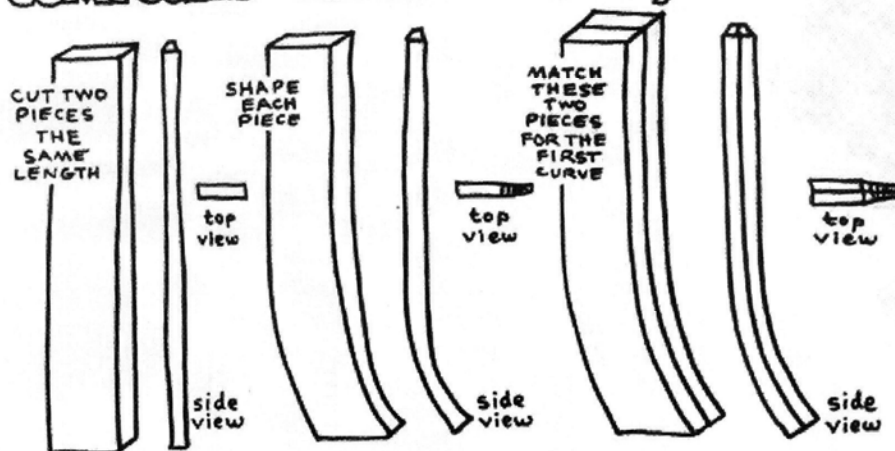


OTHER FORMS TO HIT OVER:

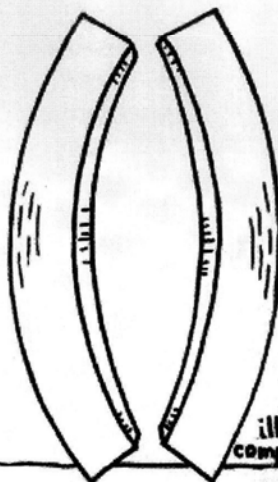
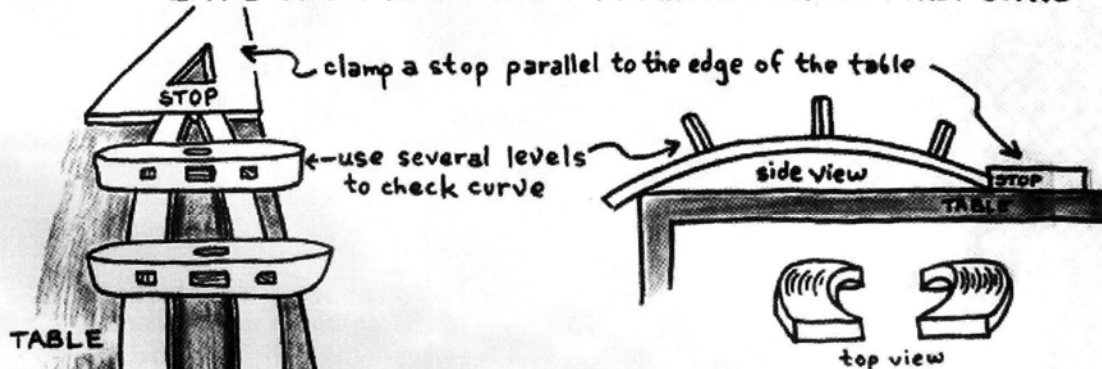


illustrations by d.w. harvey
 computer & photography by b.mskharvey

TIP TO MAKE A MIRROR IMAGE OF A COMPOUND CURVE from Doug Kluender



- KEYS:**
1. CUT TWO PIECES THE SAME LENGTH TO START
 2. THE TWO PIECES HAVE TO MATCH FOR THE FIRST CURVE



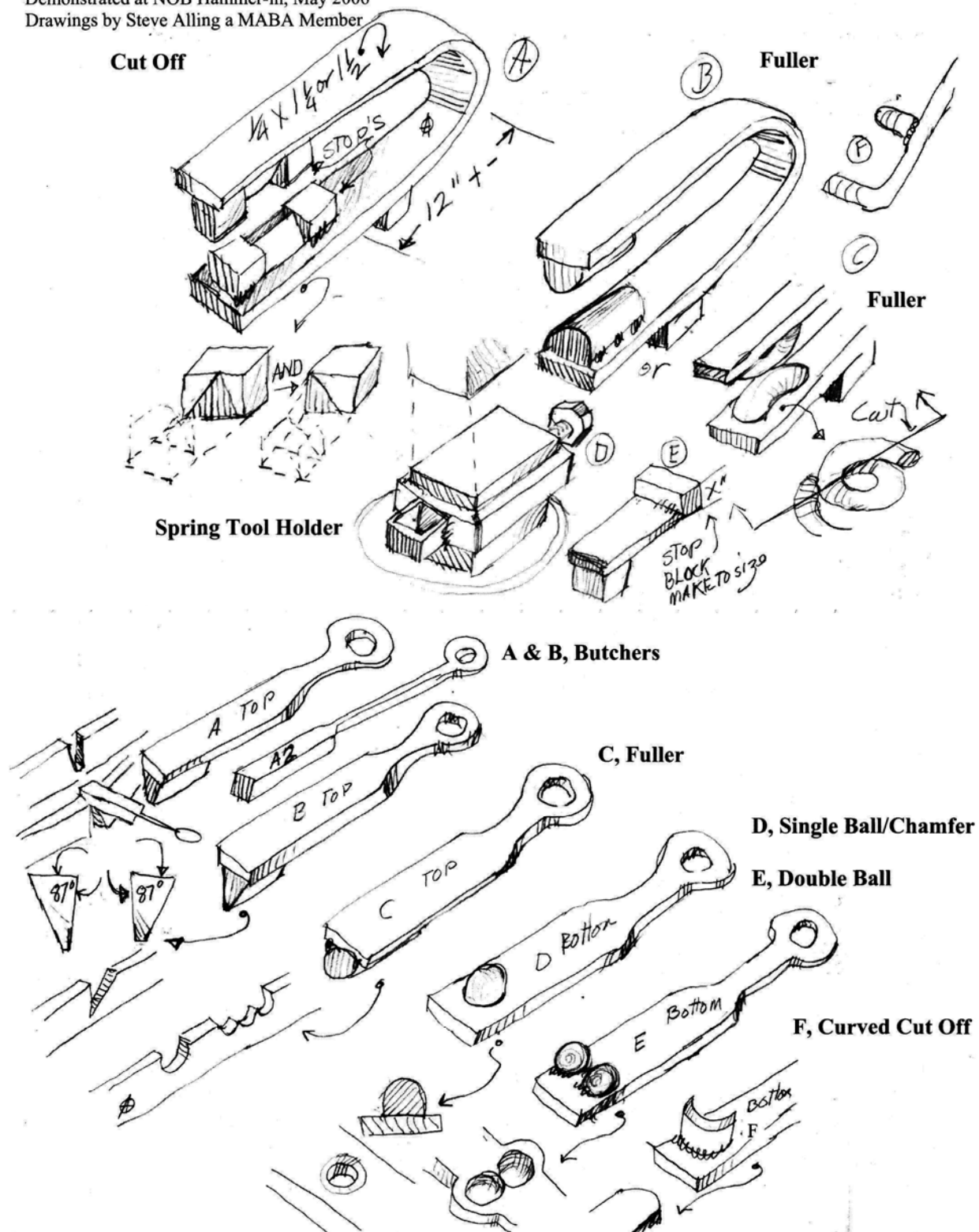
illustrations by d.w. harvey
computer & photography by b.m. harvey

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Clay Spencer Power Hammer/Treadle Hammer Tooling-

Demonstrated at NOB Hammer-in, May 2006

Drawings by Steve Alling a MABA Member

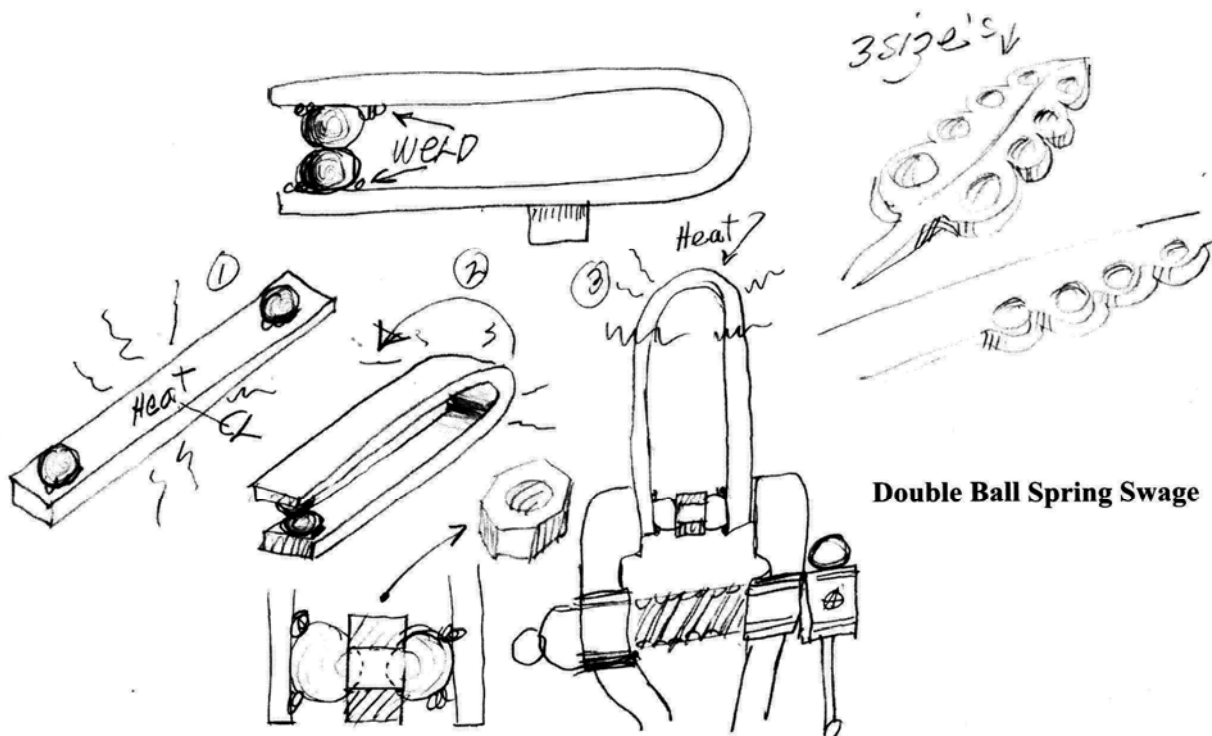
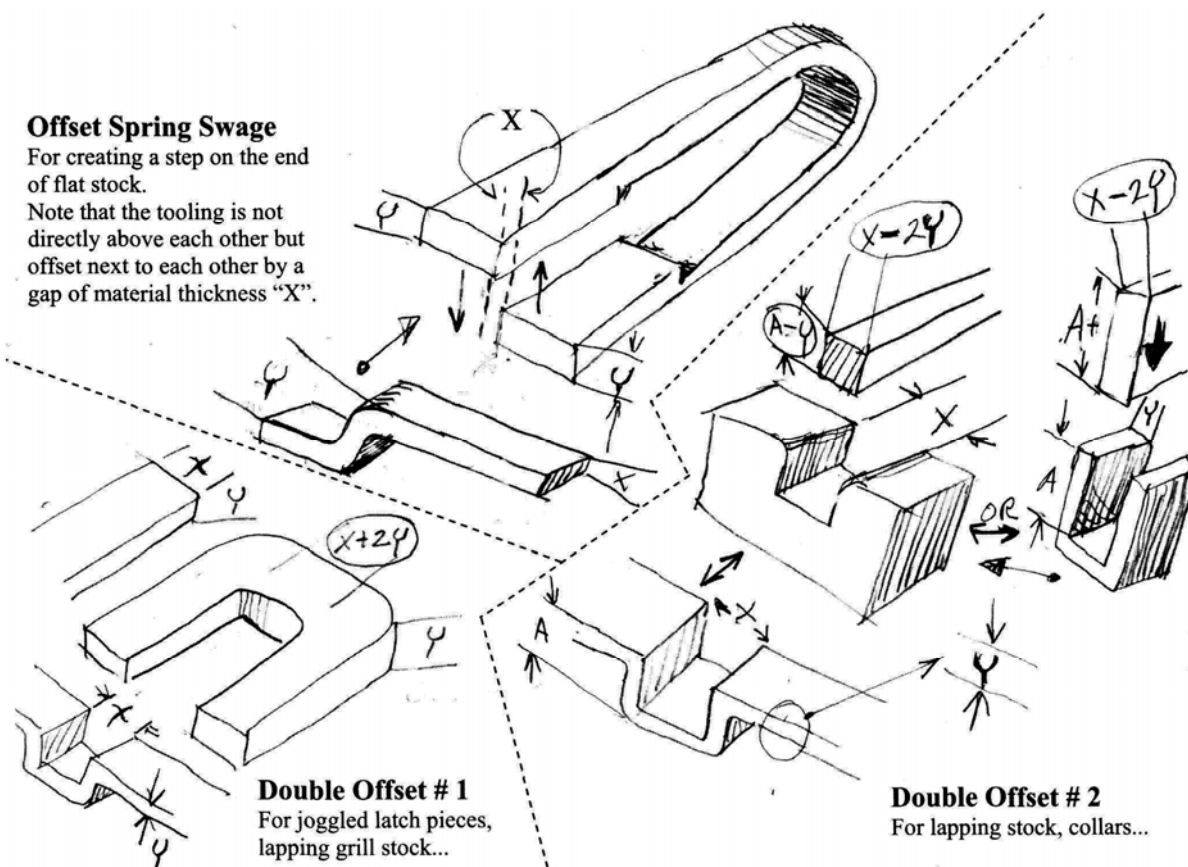


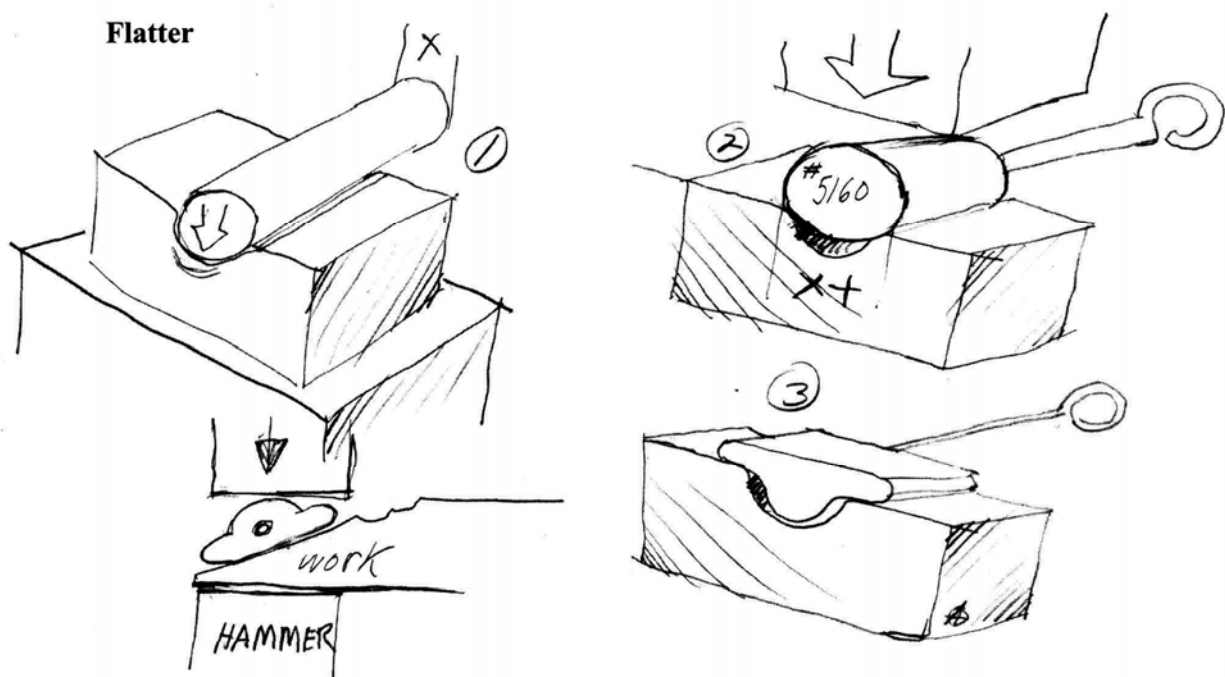
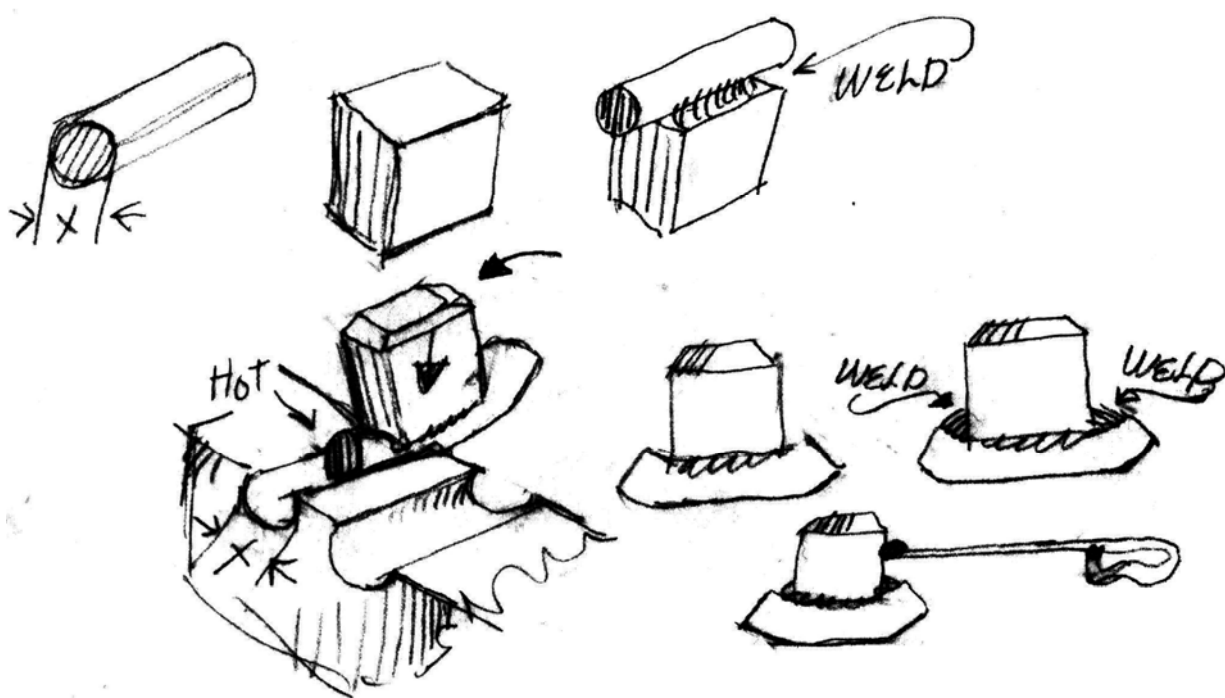
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Offset Spring Swage

For creating a step on the end of flat stock.

Note that the tooling is not directly above each other but offset next to each other by a gap of material thickness "X".





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