

Tools of the trade



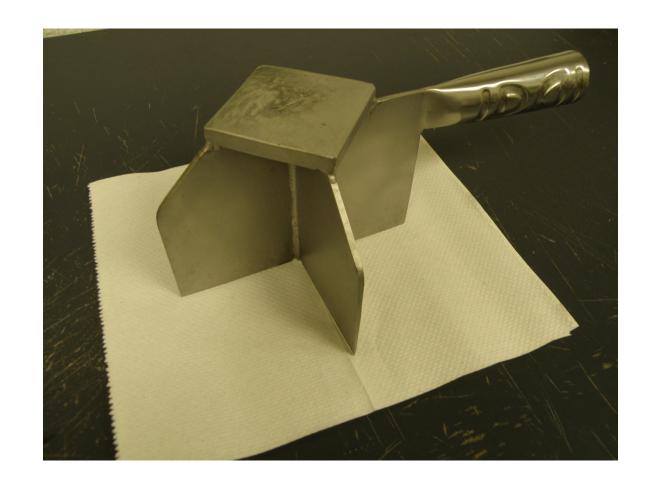
"Necessity is the Mother of Invention."

Author unknown





Tool to quarter large fruits and tubers.





Smashing commodity in the IR4 sample bag.





Method of closure.





Cutting up forage samples in bag with serrated knife.





Serrated knife with modified tip.





Utilizing steam table inserts to reduce sample volume in large hay samples.





Sample bag content.



Add dry ice.





Makita Cordless Grass Shears



Plunge motion to reduce volume





Reduced sample volume ready for processing with Robot Coupe.





Bottle filling implements.





A tool that did not work!





- What about a hydraulic press to crush a sample bag's content?
- Commodity cut up into smaller pieces at harvest, especially avocado, banana, sugar apple, dragon fruit, hay (grasses/peanut).



North Central Region Laboratory