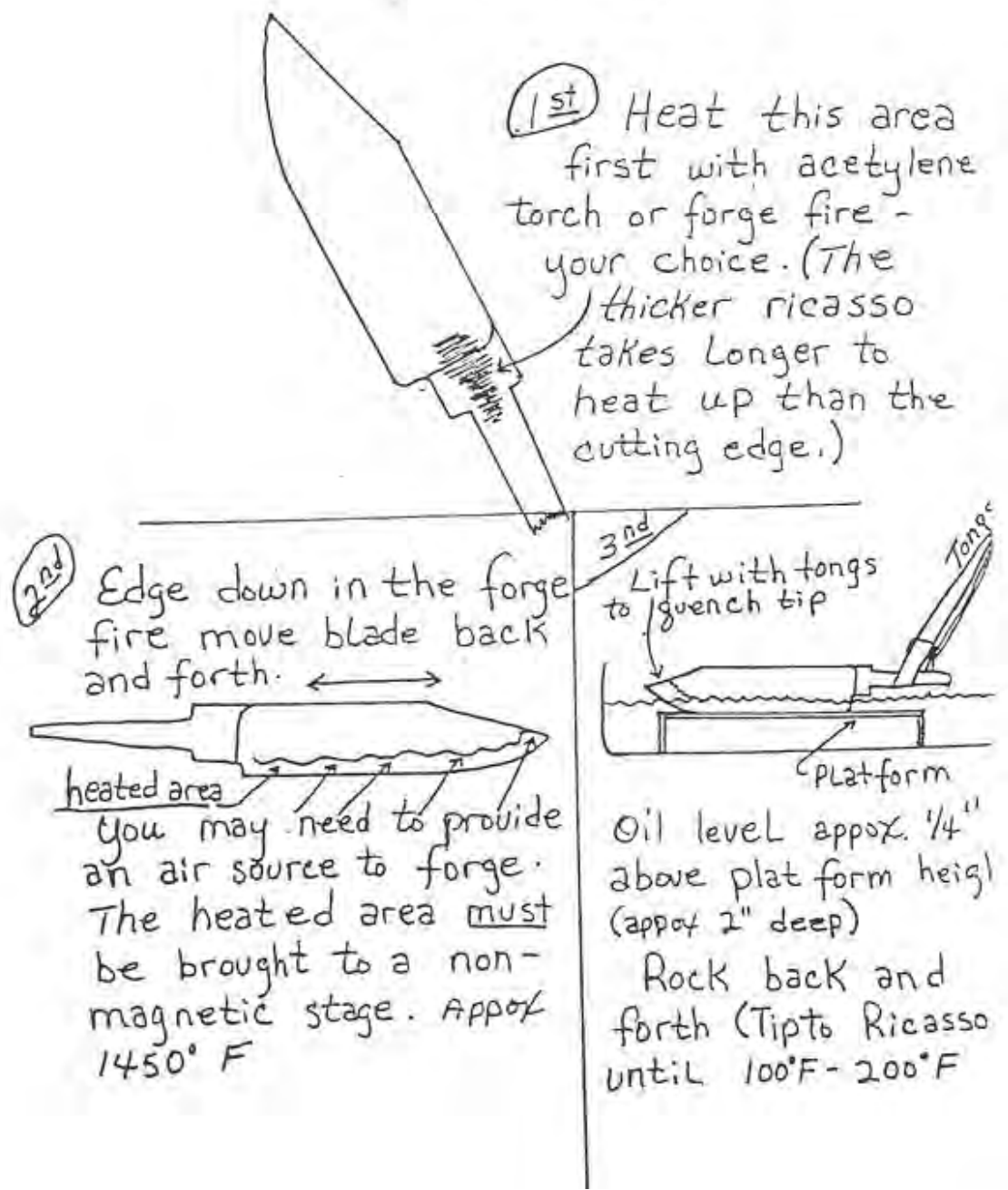


Heat Treating
Outline by Jerry Fisk, Master Smith
www.fisk-knives.com

5168 carbon steel Heat treat

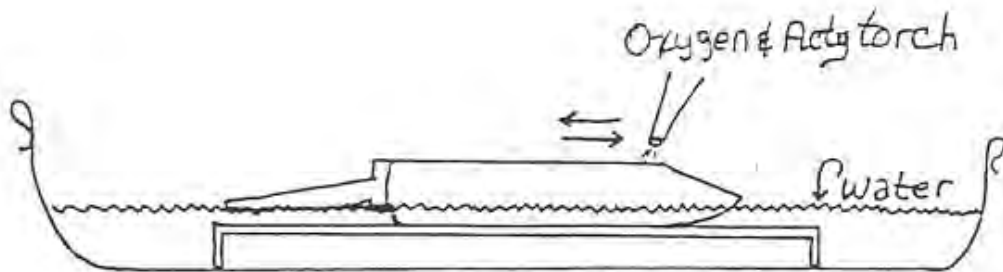
Courtesy of Jerry Fisk

Edge hardening



drawing the spine

Courtesy of Jerry Fisk



Water level to be about $\frac{1}{4}$ " deep on cutting edge. - Bring spine color to dark blue 3 times. Blue color will stop approx $\frac{1}{4}$ " above water line. Keep an eye on the water level if it starts dropping add a small amount of water to keep the proper level.

Stop torch a couple of inches short of where knife point starts coming out of the water. work toward tip carefully with torch tip pointed toward ricasso. You may need to just "brush" tip when you get close. stop when $\frac{1}{2}$ " to 1" from tip - depending on knife.

Do not bring spine of chrome steels to red color - this will air harden.

When finished with this you are ready to grind the cutting edge. 2

Jerry Fisk, Master Smith
www.fisk-knives.com