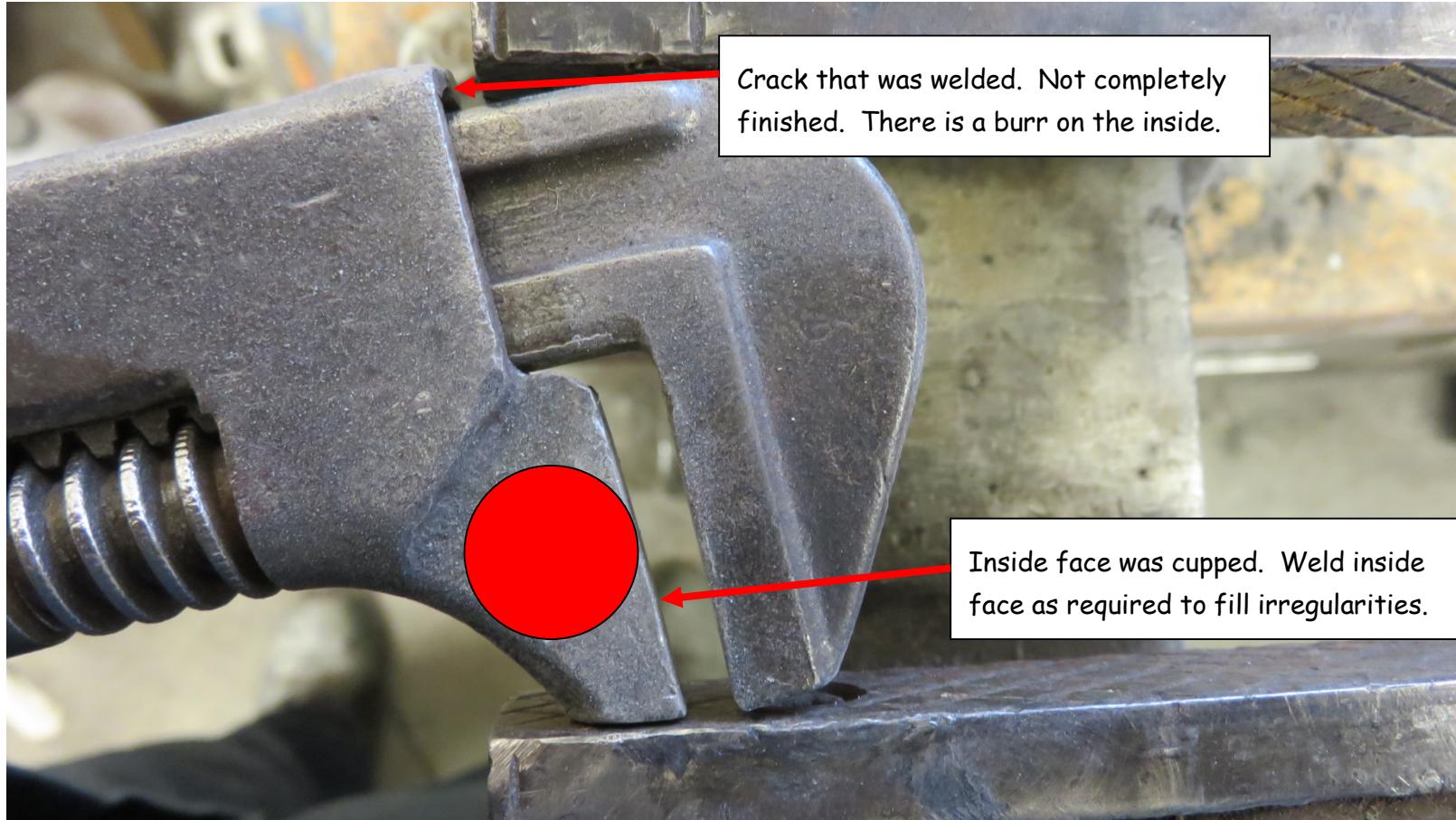


## Adjustable Wrench Repair



The jaw of my wrench had mushroomed because of abuse and soft steel metal. I hammered them flat while cold on an anvil. Put the jaws of the wrench in the vise so that the lower jaw end is parallel to the vise jaw face. Note that the fixed wrench jaw is not protected from the vise. I have ground the vice jaws down so they do not leave marks on whatever is held in the vice, you may need to use jaw protectors. The wrench needs to be open enough for the lower jaw to move closer to the upper jaw.

## Adjustable Wrench Repair



Heat the area shown in red with acetylene torch to cherry red, being careful not to heat it too hot, you know sparkling. As you are heating the wrench slowly tighten the vice. You will see movement once the wrench is hot enough. Once you've got it to where you want it I found that flattening the sides of the lower wrench jaw left the contact surface cupped in cross section. I built up the jaw with mig welding, ground the surface parallel to the upper jaw and then proceeded to dress the face with a die grinder. Now the final step is to try to match the original sand cast finish. To do that I take a piece of very coarse grit sand paper and put the wrench on an anvil and then hammer the sandpaper into the steel. It leaves little depressions in the steel that look like sand cast metal. The back of the slider was cracked so it was also mig welded.