DO'S AND DON'T'S WHEN USING A VISE

- Use bolts in all the holes in the base of the vise.
- Use lock washers under the nuts.
- Do not use the jaws of the vise as an anvil.
- When work is held in the vise for sawing, saw as close to the jaws as possible (to prevent vibration). Be careful not to cut into the jaws.
- When clamping extra long work, support the far end of work rather than putting extra pressure on the vise.
- Avoid clamping work with heavy pressure at the corner of the vise jaws as they may break off a corner of a jaw.
- Wear safety glasses when hammering or pounding on an object held by the vise.
- Replace a bent handle.
- Replace worn jaw inserts.
- Adjust for play between nut and screw or replace them when excessive play develops in the handle.
- Lightly oil all moving parts.
- Never use an extension handle for extra clamping pressure.
- Use jaw liners with a vise if there is any possibility of marring the work.
- If the threaded part of the vise is exposed, keep it free of chips and dirt.
- Discard any vise that exhibits the slightest hairline fracture.
- Never pound on the handle to tighten beyond hand pressure.
- Never try to repair a vise by welding or brazing.

FIG. 44. Use a vise large enough to hold the work without strain. Base of vise should be bolted to a smooth even surface to prevent unnecessary stresses to base when vise is in use. Note that Careful Cal has the vise bolted to the bench.

RIGHT

FIG. 45. Don't try to bend a heavy rod in a light vise. Harry has now ripped the vise from its moorings. And he still couldn't bend the rod shown.

WRONG