



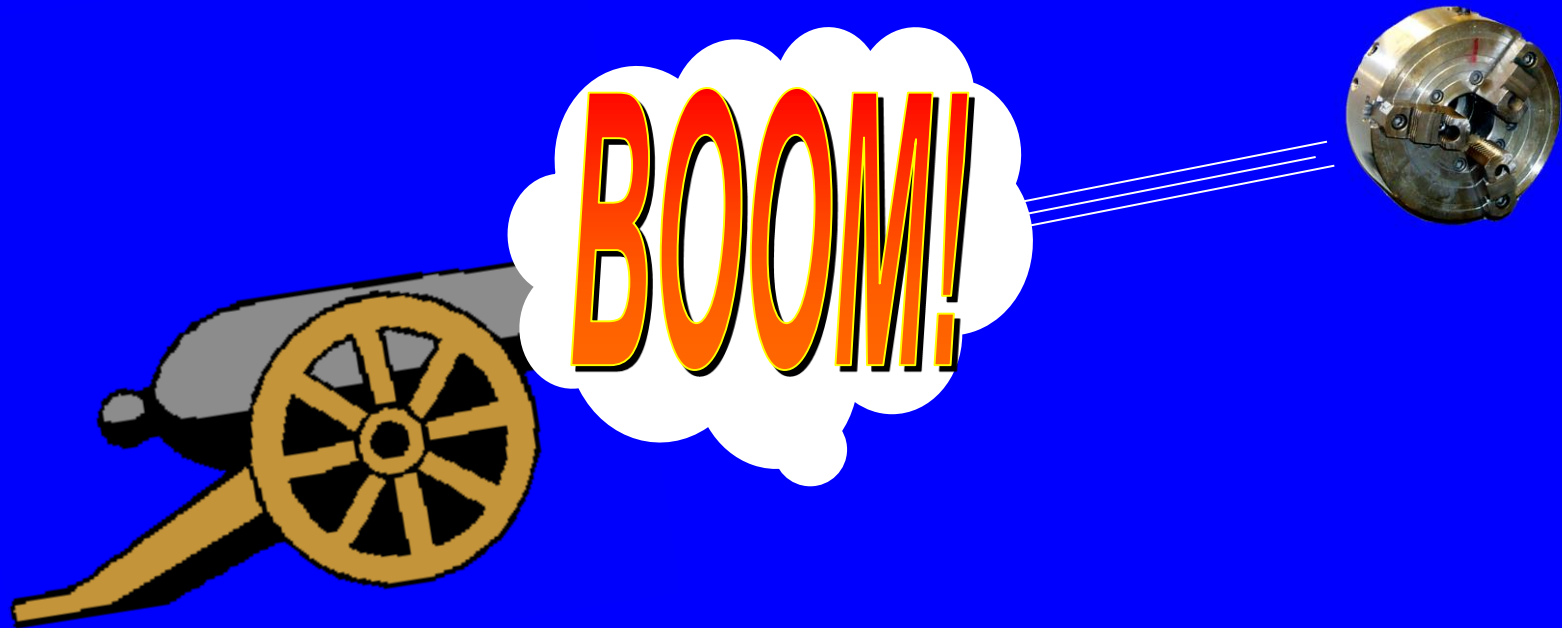
## 4. Lathe



The lathe works tools into a workpiece which rotates on a spindle. It's useful for fabricating parts that have a circular cross section.



When operating the lathe, make sure the drive chuck is firmly tightened on the lathe spindle.



A loose chuck thrown from a moving spindle can become a very heavy and very dangerous projectile.





Never leave  
the chuck  
key in the  
chuck!



**Move the tool bit a safe distance from the chuck when inserting or removing work.**



**When operating the lathe, keep hands safely away from the tool and the rotating chuck.**





**Guard**

**Always have the guard in place when the chuck is in motion.**



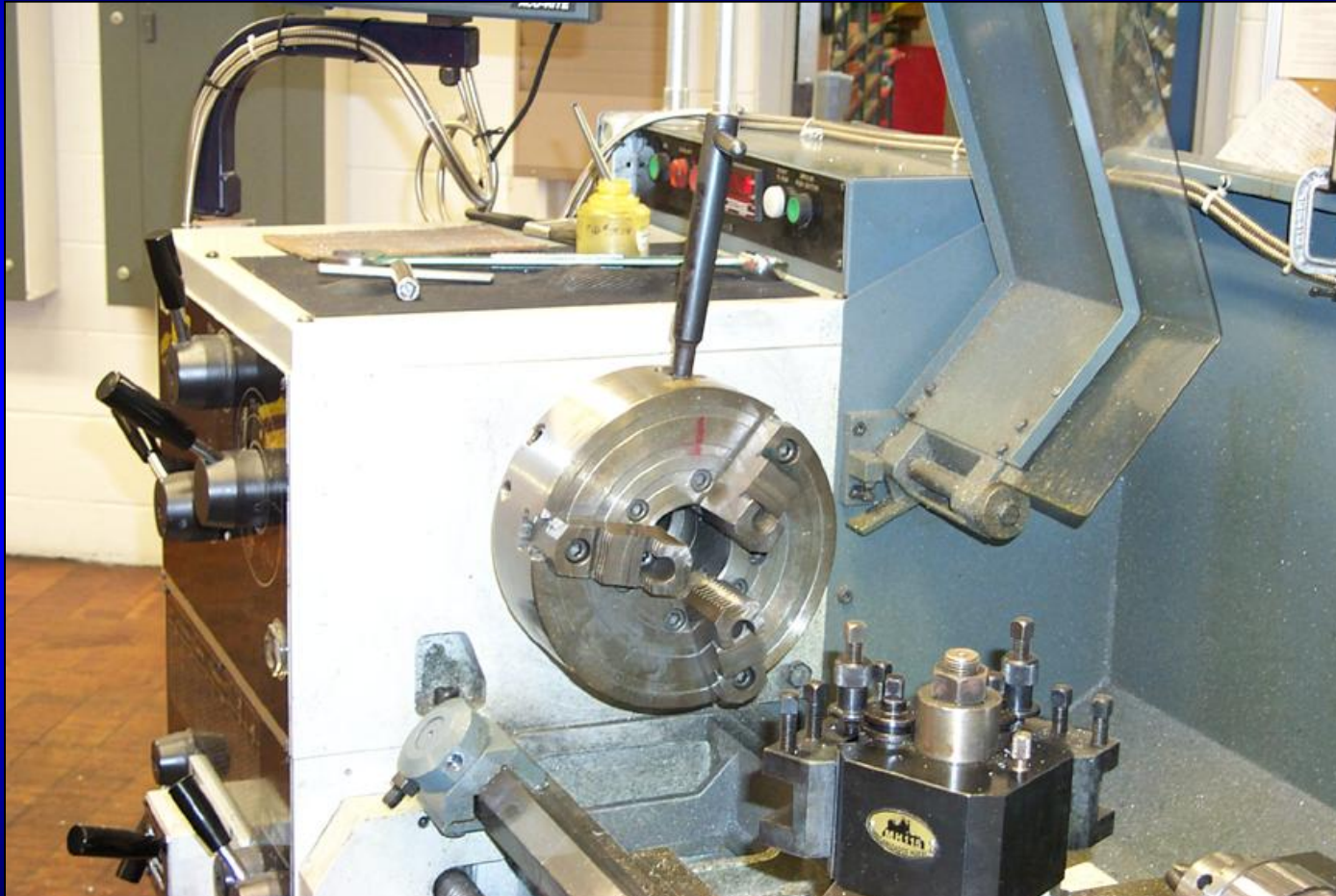
Always make sure the tool bit is sharp and has correct clearance.





**Don't touch turnings with your fingers! Get rid of them with a blunt instrument.**

Q: What's wrong with this picture?



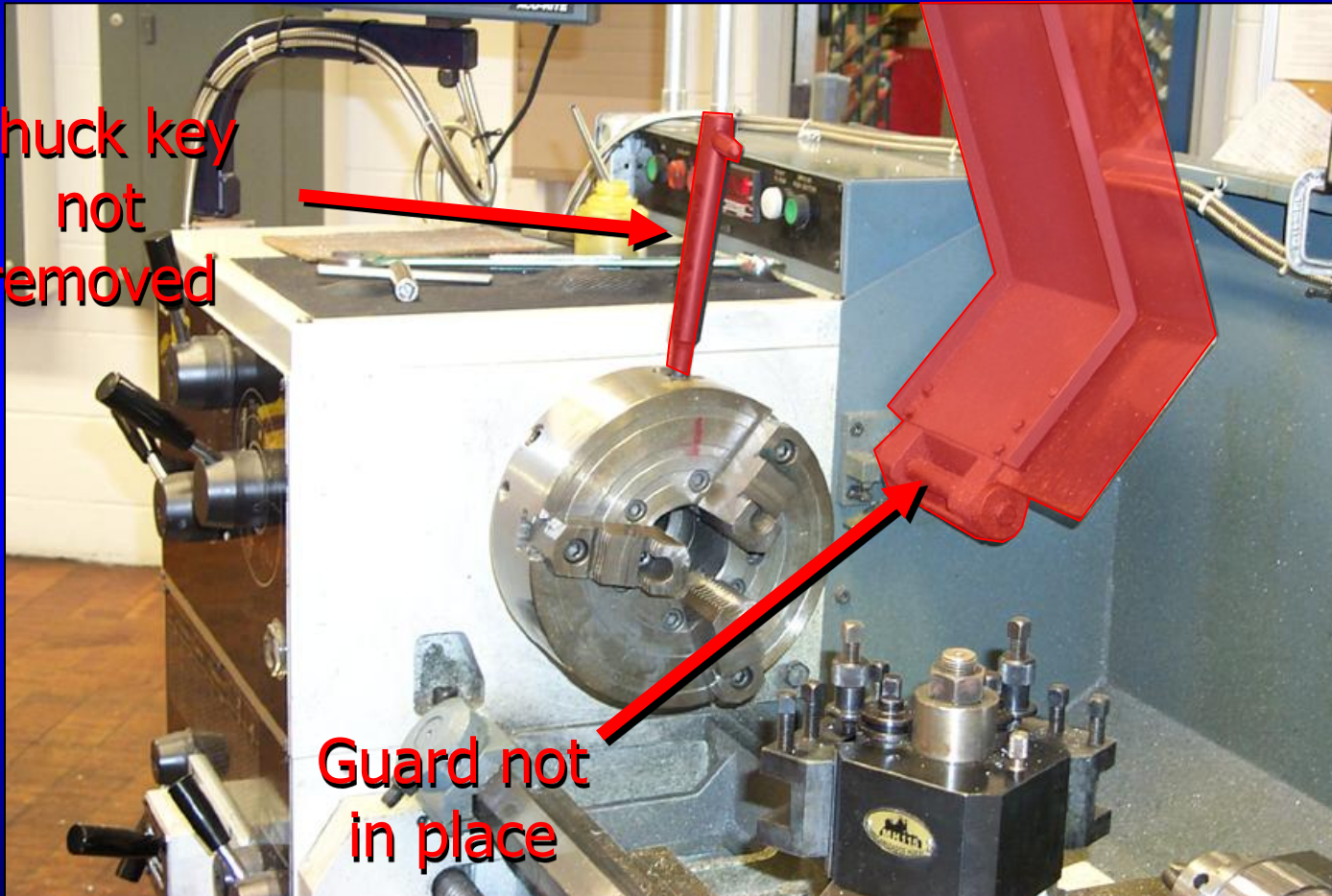
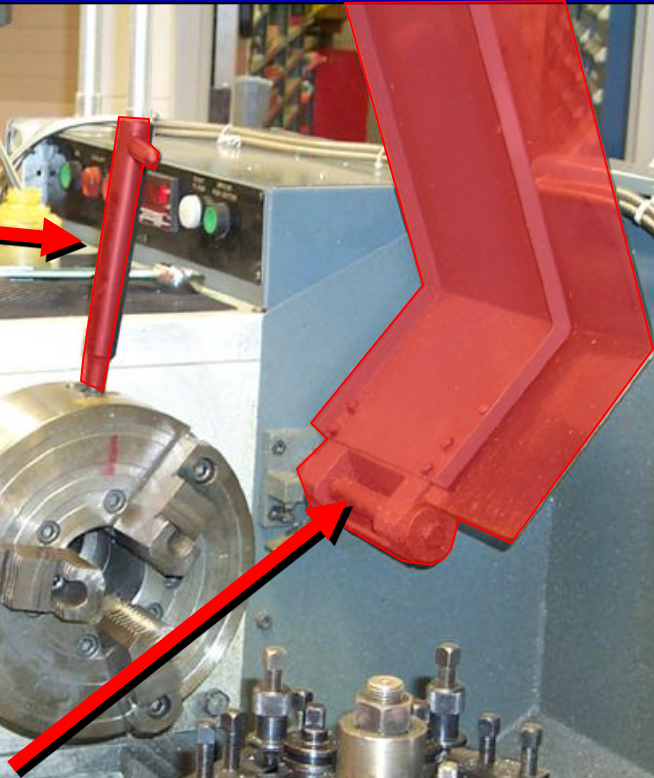


Q: What's wrong with this picture?

Chuck key  
not  
removed



Guard not  
in place





# Let's Review

- Tighten drive chuck firmly on lathe spindle
- Do not use machine power while removing chuck
- Remove chuck keys
- Keep tool bits a safe distance from the chuck when inserting or removing workpieces
- Keep hands away from the tool and the chuck
- Always have the guard in place when chuck is in motion
- Make sure the tool bit is sharp and has correct clearance
- Don't clear turnings with fingers

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