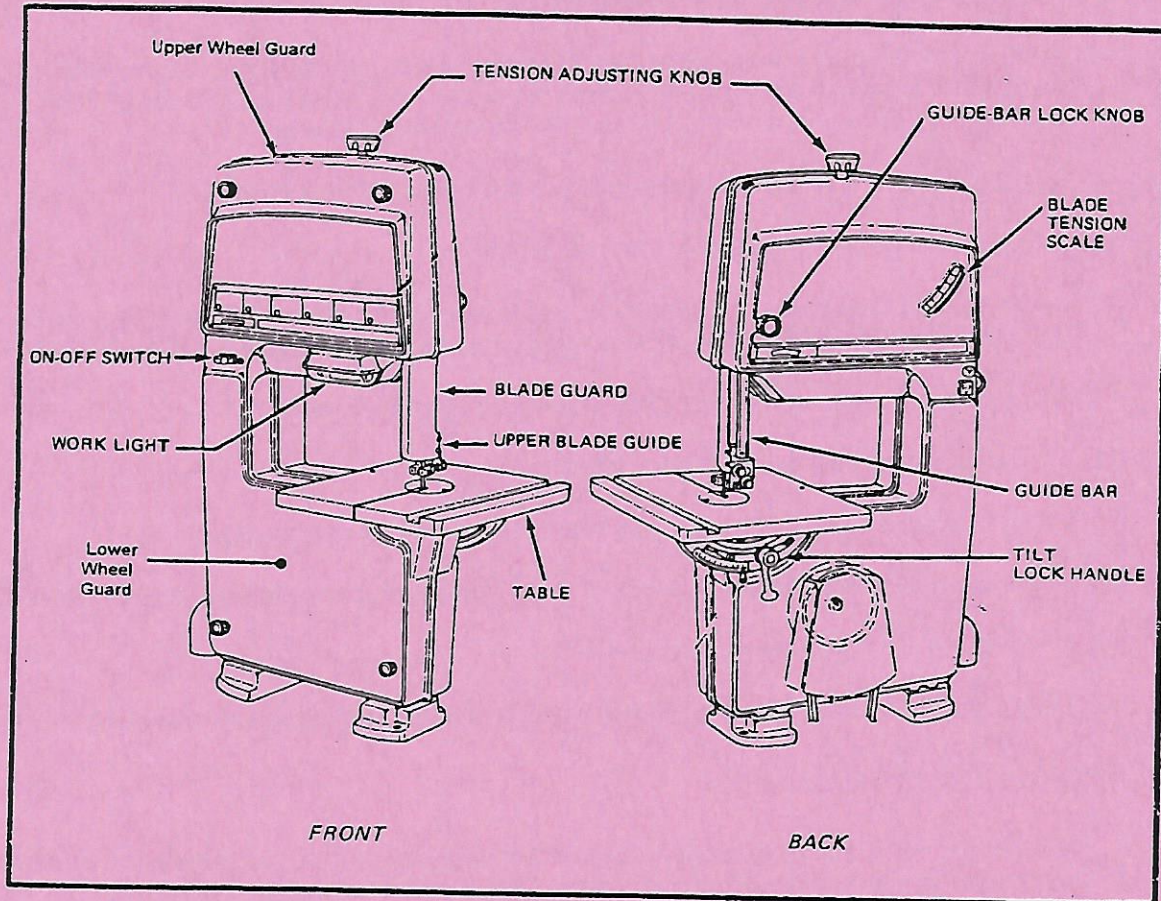


HOLMEN MIDDLE SCHOOL
TECHNOLOGY & ENGINEERING EDUCATION

BAND SAW SAFETY & OPERATION



USES: CUTTING CURVES, RESAW CUTS

SAFETY PROCEDURES:

1. Always wear eye protection when operating in the machine area.
2. With the power off, adjust the saw guide or guard to about within 1/8" of stock to be cut before power is turned on.
3. The operator must not allow his fingers to come closer than 2" from the saw blade when cutting.
4. Never stand at the right-hand side of band saw. A serious accident might result if saw blade should break.
5. If necessary to back the stock out of a saw cut, power should be turned off and the blade allowed to come to a complete stop before removing stock.
6. A sharp curve or small radius should not be cut except with a very narrow band saw blade.

BAND SAW (continued)

7. Cylindrical stock like dowels should be cut on the band saw only when some type of holder, such as the crosscutting gauge, is used.
8. No adjustments should be made when band saw is in motion.
10. Allow the band saw to reach full operating speed before feeding stock. Do not stop the motion of the blade with stock after the power is shut off. If the machine has a brake - use it gently. If there is not a brake, wait until the blade stops moving.
11. The teeth on the blade should point down or in direction of travel of blade.
12. Be sure work is free of nails, paint and obstructions.
13. Mark the material clearly so that you can see lines at a reasonable distance. Do not cut on the lines. The lines should be visible on your material when finished. (Not the scrap).
14. Use the fence guide bar or miter gage when sawing straight lines.
15. The table should be tilted for making bevel cuts.
16. When making a cut, do not place your hand in line with the cutting edge.
17. Never attempt to remove small pieces of wood from near the blade while the saw is running.
18. Never leave a running saw unattended.
19. Keep floor and surrounding area free of scrap that might cause tripping or slipping.

OPERATING PRODECURE:

1. Lower top guide or guard assembly to within 1/8" of material to be cut. This should be the adjustment you should have to make. (See diagram of band saw).
2. Feed material into blade only as fast as teeth will remove material easily.
3. Hands should not be within 2" of the blade.
4. When cutting curves, turn the stock carefully so that the blade may follow without being twisted. Keep hands outside cut line.
5. If a curve is so abrupt that it is necessary to repeatedly back up and cut a new kerf, use relief cuts, a narrower blade, or a blade with more set.
6. Remember, the shorter the radius to be cut, the narrower the blade to be used.
7. When re-sawing material, set up a fence on the band saw table.
8. In cutting round stock, use a V block or miter gauge to guide your work.