

21 WOODWORKING MACHINERY

CASE STUDY

Josephine Manning is the newest hire at Afleck & Irvine, makers of fine home furnishings. In its 25-year history, its safety record has been one of the finest in the industry, and they'd like to keep it that way. Regardless of past employment experience, each new employee is required to undergo an extensive orientation and safety session in which he or she learns the proper use and maintenance of all equipment.

As orientation coordinator, it is your responsibility to take Josephine through the wood shop and teach her the safety rules for each piece of machinery.

1. Select two woodworking tools from the following list and summarize the general safety rules for Josephine: table saw, circular saw, radial arm saw, band saw, jointer-planer, wood shaper, sander, lathe.

2. The characteristics and conditions of circular-saw blades are important safety factors for the operators who use them. Explain to Josephine what blade conditions might cause unsafe, difficult, or unsatisfactory operation.

3. How can management minimize the hazards posed by saws?

4. What precautions can Josephine take to prevent saw blades from cracking?