Fig. 9.41 Bearing. Draw necessary views, with full section. (Layout A–3).*  
Fig. 9.42 Truck Wheel. Draw necessary views, with half section (Layout A–3).*  
Fig. 9.43 Column Support. Draw necessary views, with full section (Layout A–3).*  
Fig. 9.44 Centering Bushing. Draw necessary views, with full section (Layout A–3).*  
Fig. 9.45 Special Bearing. Draw necessary views, with full section (Layout A–3).*  
Fig. 9.46 Idler Pulley. Draw necessary views, with full section (Layout A–3).*  

*Layout A–3 (adjusted) may be used. If dimensions are required, study §§13.1–13.25. Use metric or decimal-inch dimensions as assigned by the instructor.
**Fig. 9.47** Cup Washer. Draw necessary views, with full section (Layout A-3 or A4-3 adjusted).*

**Fig. 9.48** Fixed Bearing Cup. Draw necessary views, with full section (Layout A-3 or A4-3 adjusted).*

**Fig. 9.49** Stock Guide. Draw necessary views, with half section (Layout B-4 or A3-4 adjusted).*

**Fig. 9.50** Bearing. Draw necessary views with half section. Scale: half size (Layout B-4 or A3-4 adjusted).*

**Fig. 9.51** Pulley. Draw necessary views, with full section, and revolved section of spoke (Layout B-4 or A3-4 adjusted).*

**Fig. 9.52** Step-Cone Pulley. Draw necessary views, with full section (Layout B-4 or A3-4 adjusted).*

*If dimensions are required, study §§13.1–13.25. Use metric or decimal-inch dimensions as assigned by the instructor.

**Fig. 9.53** Shave. Draw two views, including half section (Layout B-4).*

**Fig. 9.54** Operating Valve. Given: Front, left-side, and partial bottom views. Required: Front, right-side, and full bottom views, plus indicated removed sections (Layout B-4).*

**Fig. 9.55** Rocker Arm. Draw necessary views, with revolved sections (Layout B-4).*

**Fig. 9.56** Dash Pot Lifter. Draw necessary views, using revolved section instead of removed section (Layout B-4).*

*Layout A3-4 (adjusted) may be used. If dimensions are required, study §§13.1–13.25. Use metric or decimal-inch dimensions as assigned by the instructor.
Ch. 9  Sectional Views

Fig. 9.57 Adjuster Base.
Given: Front and top views.
Required: Front and top views and sections A-A, B-B, and C-C. Show all visible lines (Layout B-4).*

Fig. 9.58 Mobile Housing.
Given: Front and left-side views.
Required: Front view, right-side view in full section, and removed section A-A (Layout B-4).*

Fig. 9.59 Hydraulic Fitting.
Given: Front and top views.
Required: Front and top views and right-side view in full section (Layout B-4).*

Fig. 9.60 Auxiliary Shaft Bearing.
Given: Front and top views.
Required: Front and top views and right-side view in full section (Layout B-4).*

Fig. 9.61 Traverse Spider.
Given: Front and left-side views.
Required: Front and right-side views and top view in full section (Layout B-4 or A3-4 adjusted).*

Fig. 9.62 Gland.
Given: Front, top, and partial left-side views.
Required: Front view and right-side view in full section (Layout A-3 or A4-3 adjusted).*

Fig. 9.63 Bracket.
Given: Front and right-side views.
Required: Take front as new top; then add right-side view, front view in full section A-A, and sections B-B and C-C (Layout B-4 or A3-4 adjusted).*

Fig. 9.64 Cocking Block.
Given: Front and right-side views.
Required: take front as new top view; then add new front view, and right-side view in full section. Draw double size on Layout C-4 or A2-4.*

*Layout A3-4 (adjusted) may be used. If dimensions are required, study §§13.1-13.25. Use metric or decimal-inch dimensions as assigned by the instructor.
Fig. 9.65 Packing Ring.
Given: Front and top views.
Required: Front view and section A-A (Layout A-3 or A4-3 adjusted).*

Fig. 9.66 Strainer Body.
Given: Front and bottom views.
Required: Front and top views and right-side view in full section (Layout C-4 or A2-4).*

Fig. 9.67 Oil Retainer.
Given: Front and top views.
Required: Front view and section A-A (Layout B-4 or A3-4 adjusted).*

Fig. 9.68 Gear Box.
Given: Front and top views.
Required: Front in full section, bottom view, and right-side section A-A. Draw half size on Layout B-4 or A3-4 (adjusted).*

Fig. 9.69 Sintered Disk for Threading Machine.
Given: Front and left-side views.
Required: Front and right-side views and top full-section view. Draw half size on Layout B-4 or A3-4 (adjusted).*

Fig. 9.70 Web for Lathe Chuck.
Given: Partial front and left-side views.
Required: Full front view, right-side view in full section, and removed section A-A (Layout C-4 or A2-4).*

*If dimensions are required, study §§13.1–13.25. Use metric or decimal-inch dimensions as assigned by the instructor.

312

313