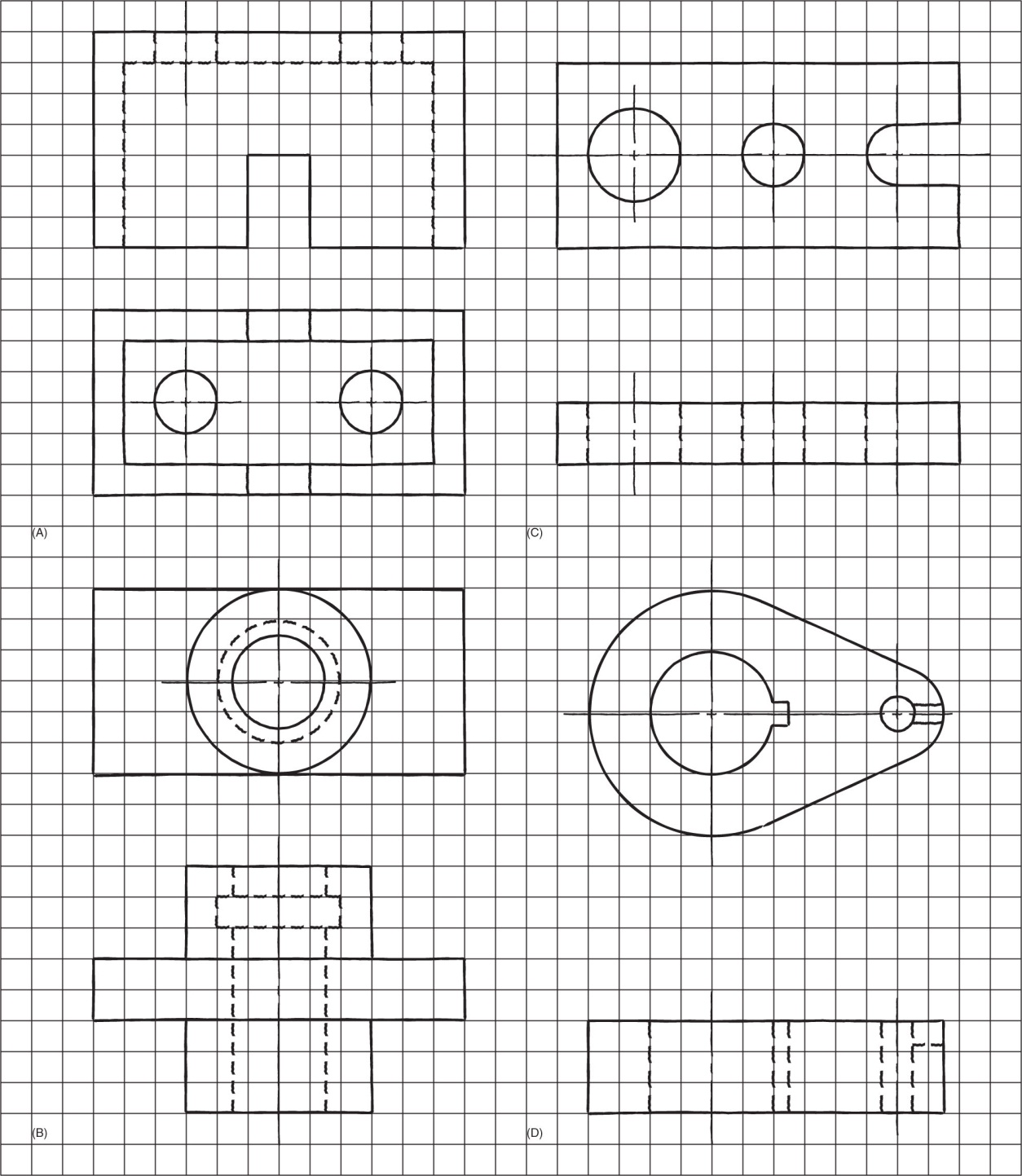
STUDY SET 08

SECTION VIEWS

# PROBLEMS FOR LABORATORY WORK

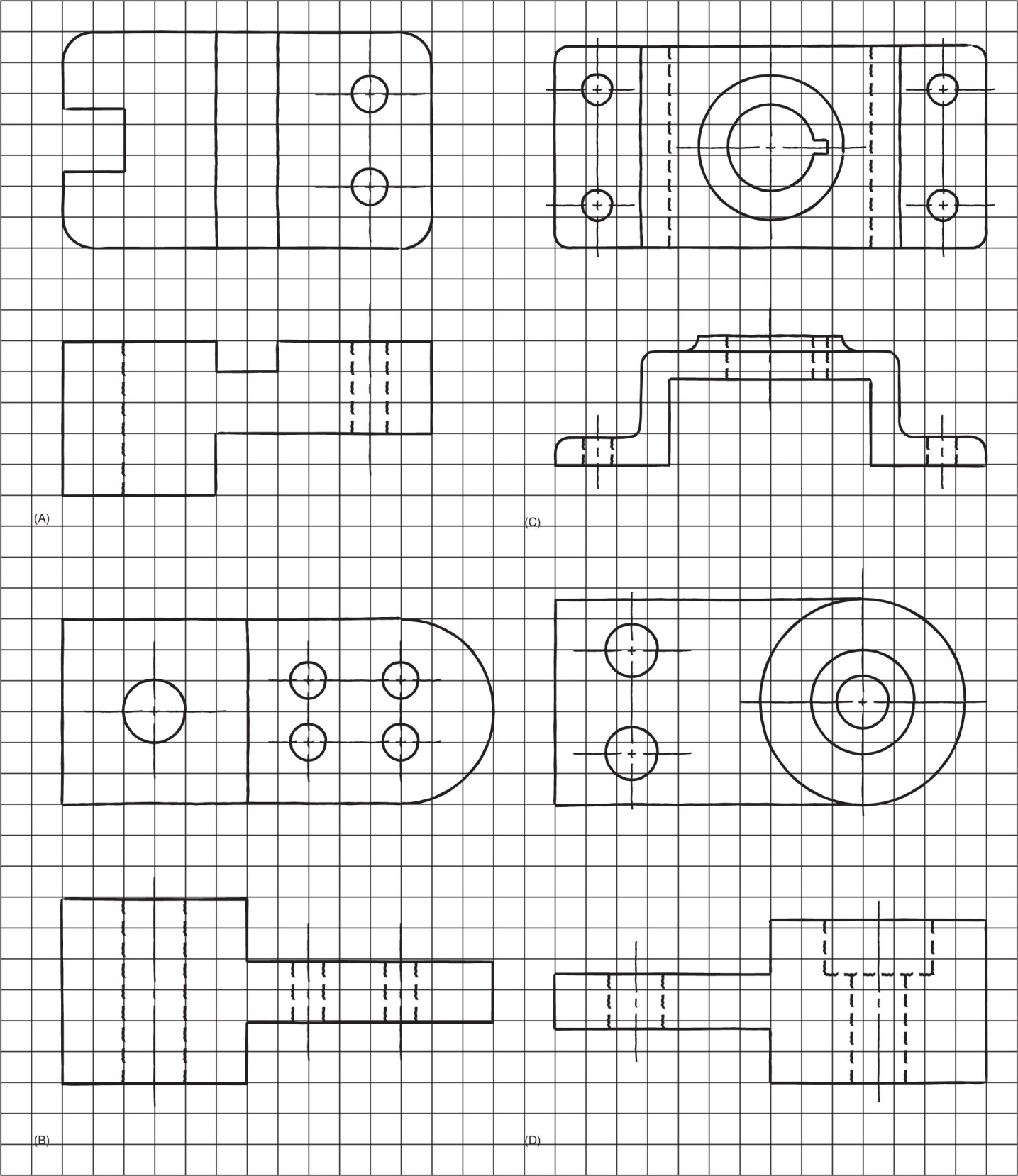
## 8.1 Problem 8.1 (Figure 8.53 (C))

Sketch, or draw with CAD, full-section views. Each grid is 0.25’’ or 10 mm.



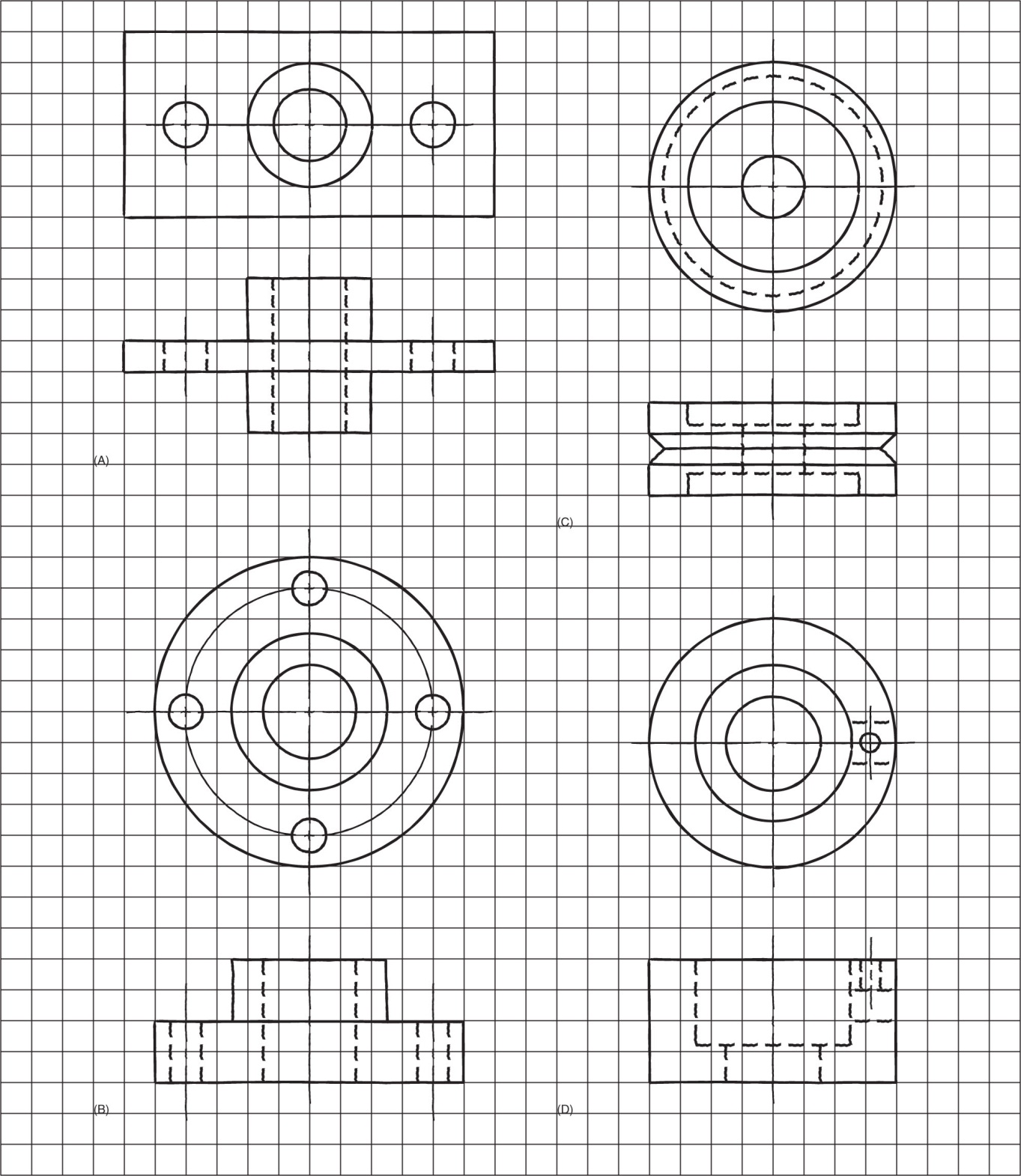
## 8.2 Problem 8.2 (Figure 8.54 (D))

Sketch, or draw with CAD, offset-section views. Each grid is 0.25’’ or 10 mm.



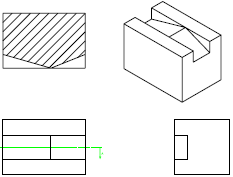
## 8.3 Problem 8.3 (Figure 8.55 (B))

Sketch, or draw with CAD, half-section views. Each grid is 0.25’’ or 10 mm.



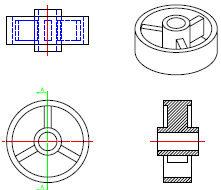
## 8.4 Problem 8.5 (Figure 8.57 (5))

Sketch, or draw with CAD, the views with sections as indicated by the cutting plane lines. Each grid is 0.25’’ or 10 mm.



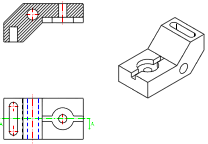
## 8.5 Problem 8.5 (Figure 8.57 (18))

Sketch, or draw with CAD, the views with sections as indicated by the cutting plane lines. Each grid is 0.25’’ or 10 mm.



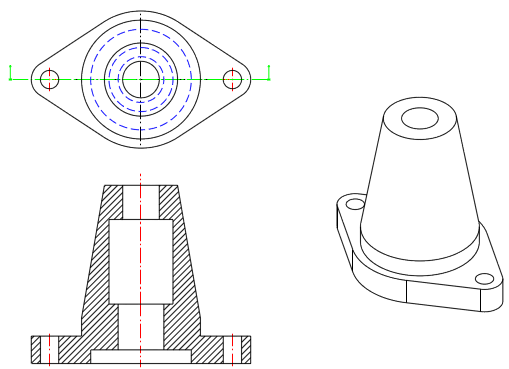
## 8.6 Problem 8.6 (Figure 8.59) Counter Block

Sketch, or draw with CAD, then create the necessary views, including a section view, or create a 3-D model.



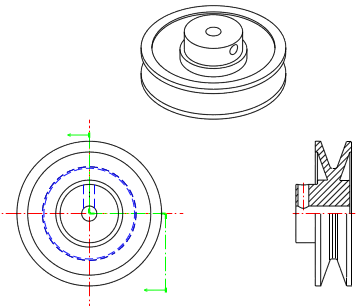
## 8.7 Problem 8.6 (Figure 8.63) Taper Collar

Sketch, or draw with CAD, then create the necessary views, including a section view, or create a 3-D model.



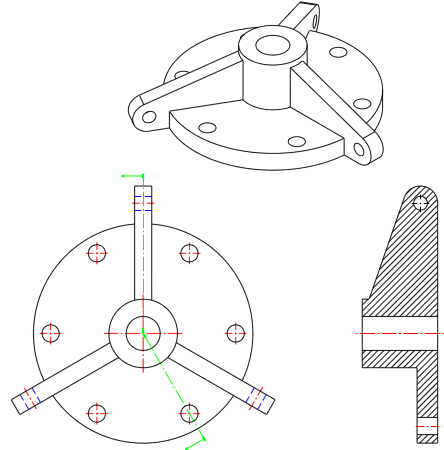
## 8.8 Problem 8.6 (Figure 8.65) Heavy-Duty V-Pulley

Sketch, or draw with CAD, then create the necessary views, including a section view, or create a 3-D model.



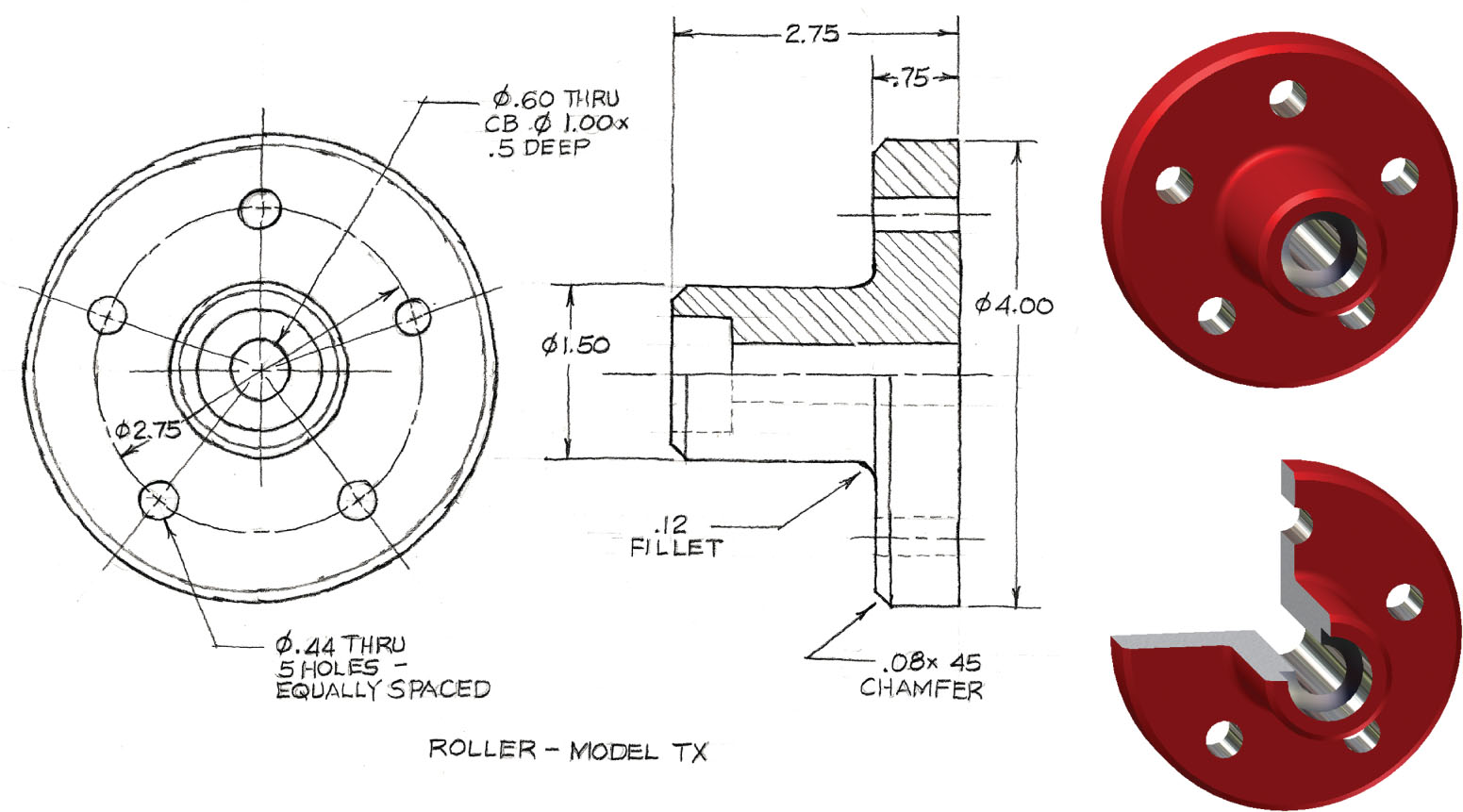
## 8.9 Classic Problem 1 – End Plate

Select views that will best describe the piece. Draw the multiviews, one of which is sectioned.



## 8.10 Figure 8.70 – Roller-Model TX

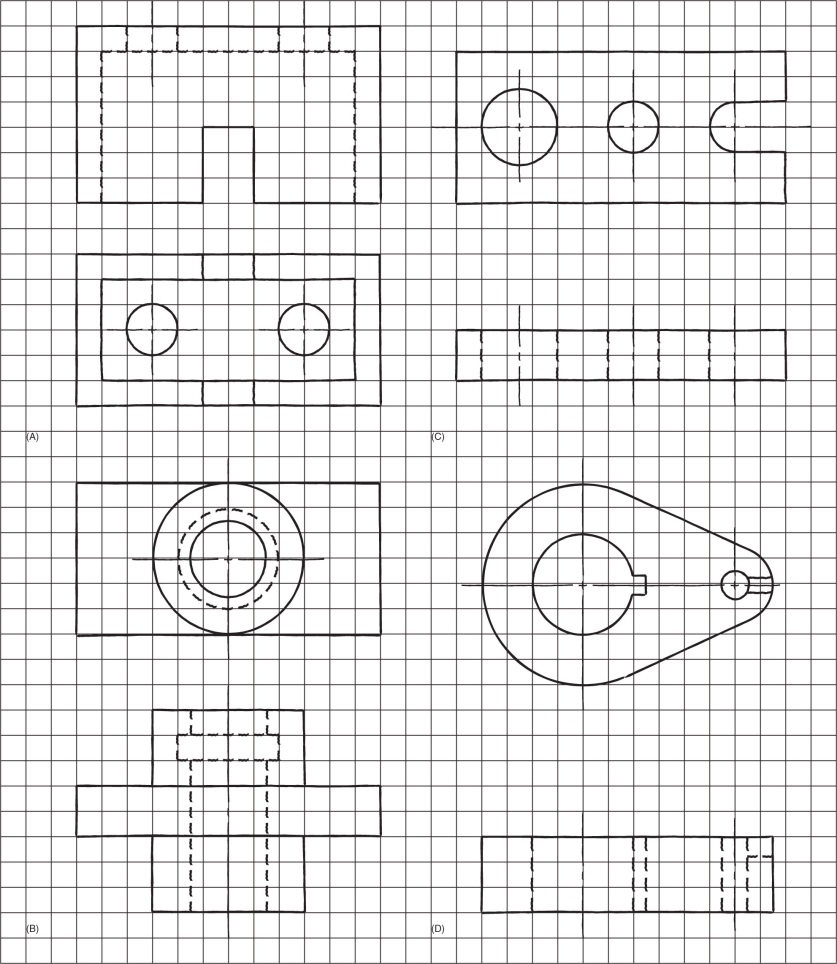
Construct 3-D solid part, then create the necessary views, including a section view.



# SELECTEDPROBLEMS

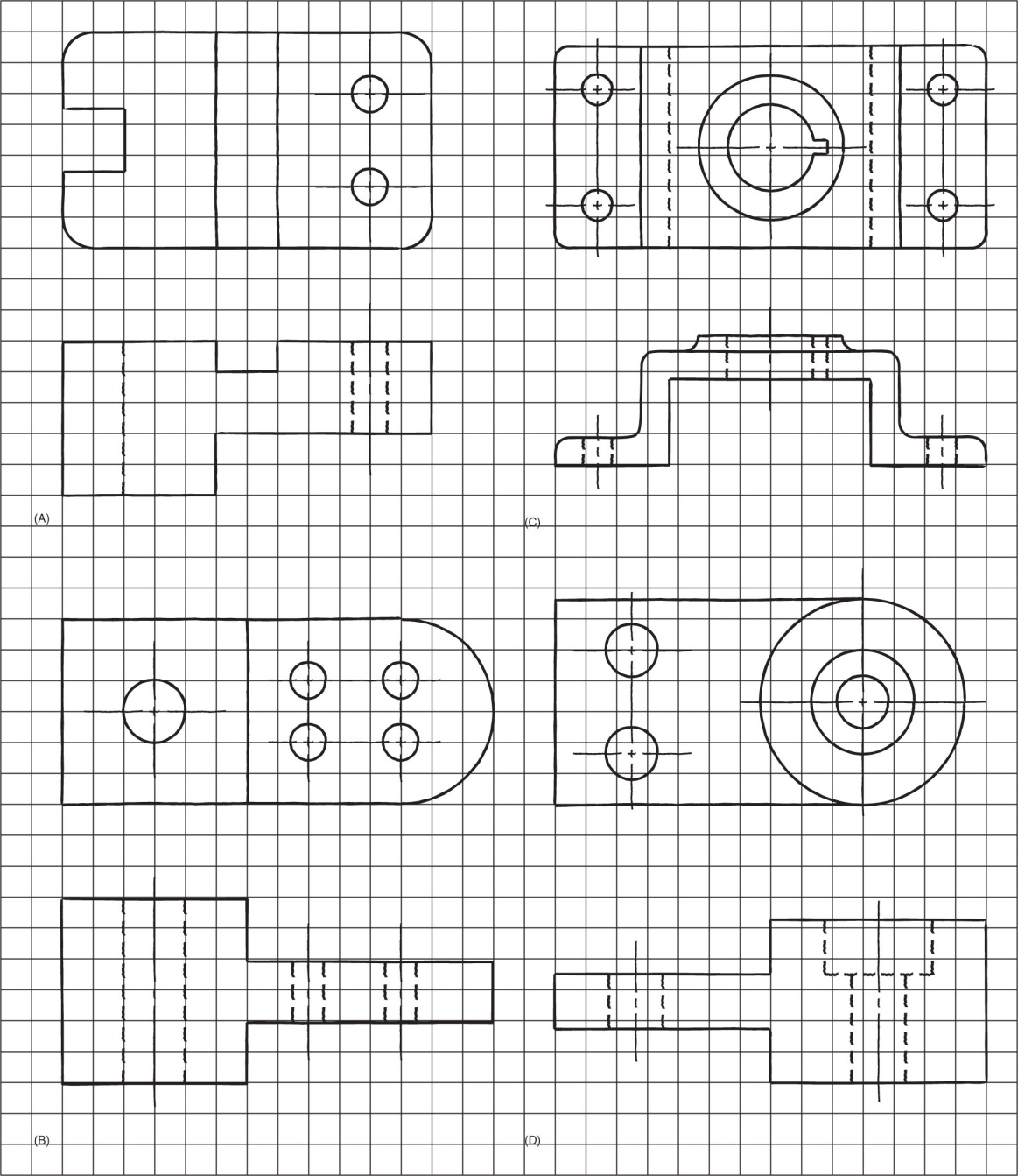
## 8.1 Problem 8.1 (Figure 8.53 (D))

Sketch, or draw with CAD, full-section views. Each grid is 0.25’’ or 10 mm.



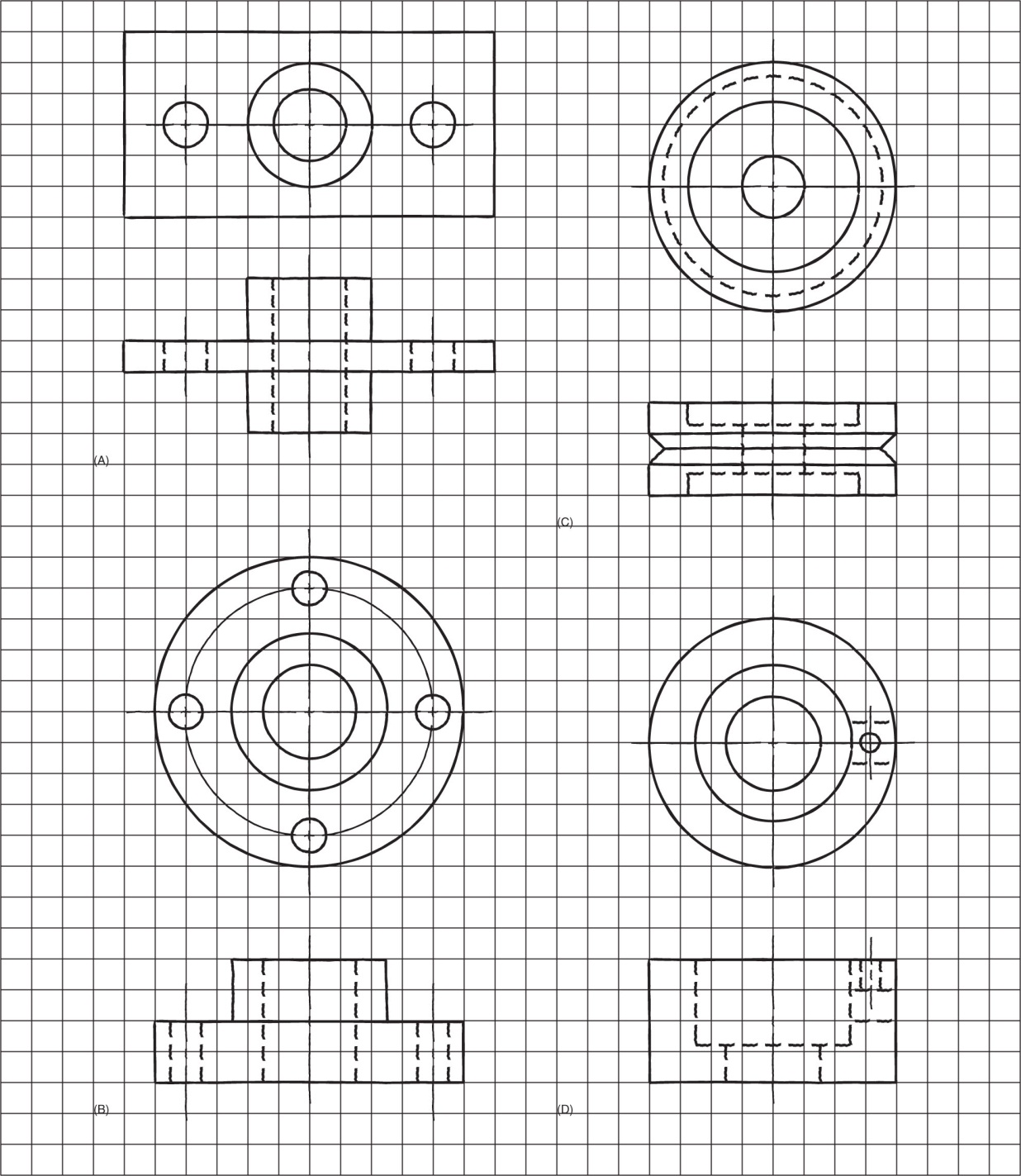
## 8.2 Problem 8.2 (Figure 8.54 (C))

Sketch, or draw with CAD, offset-section views. Each grid is 0.25’’ or 10 mm.



## 8.3 Problem 8.3 (Figure 8.55 (A))

Sketch, or draw with CAD, offset-section views. Each grid is 0.25’’ or 10 mm.



## 8.4 Problem 8.5 (Figure 8.57)

Sketch, or draw with CAD, the views with sections as indicated by the cutting plane lines.

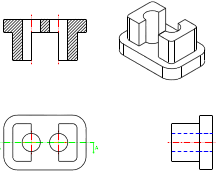
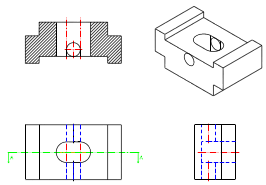
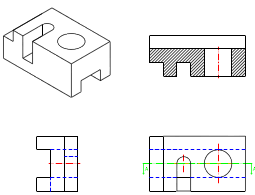
  

Figure 8.57 (7) Figure 8.57 (8) Figure 8.57 (9)

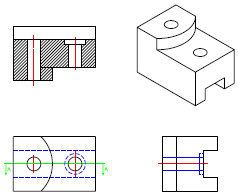
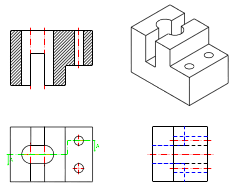
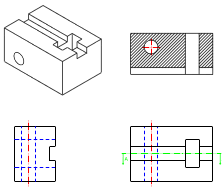
  

Figure 8.57 (10) Figure 8.57 (11) Figure 8.57 (12)

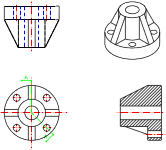
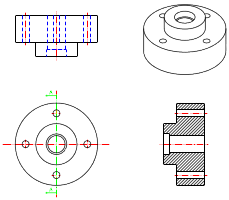
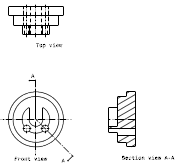
  

Figure 8.57 (19) Figure 8.57 (20) Figure 8.57 (21)

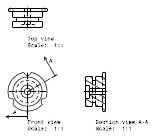
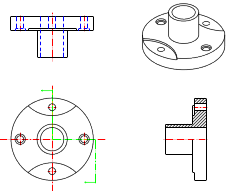
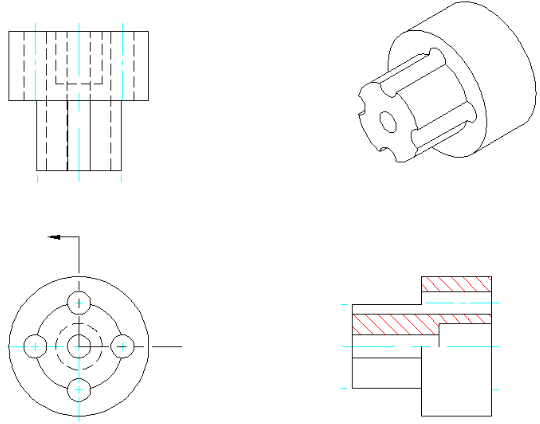
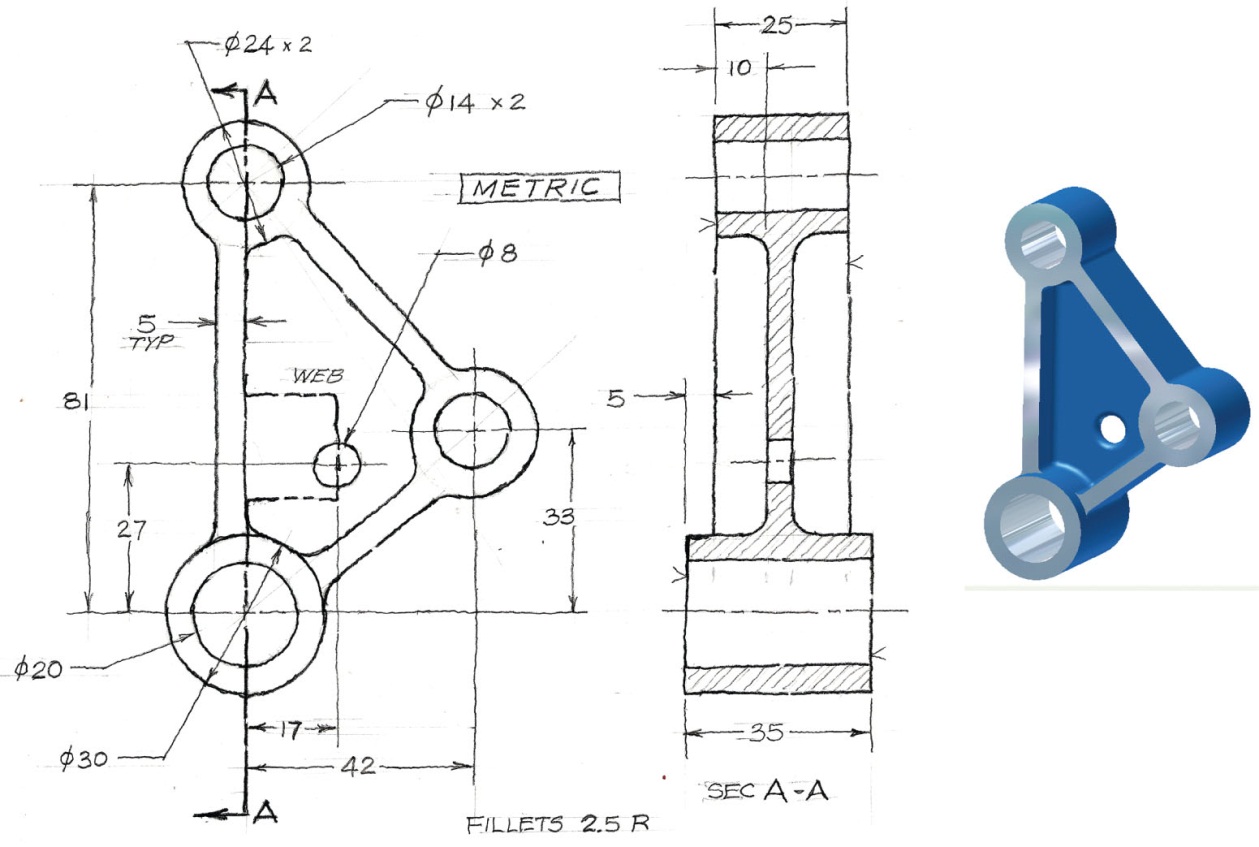
  

Figure 8.57 (22) Figure 8.57 (23) Figure 8.57 (24)

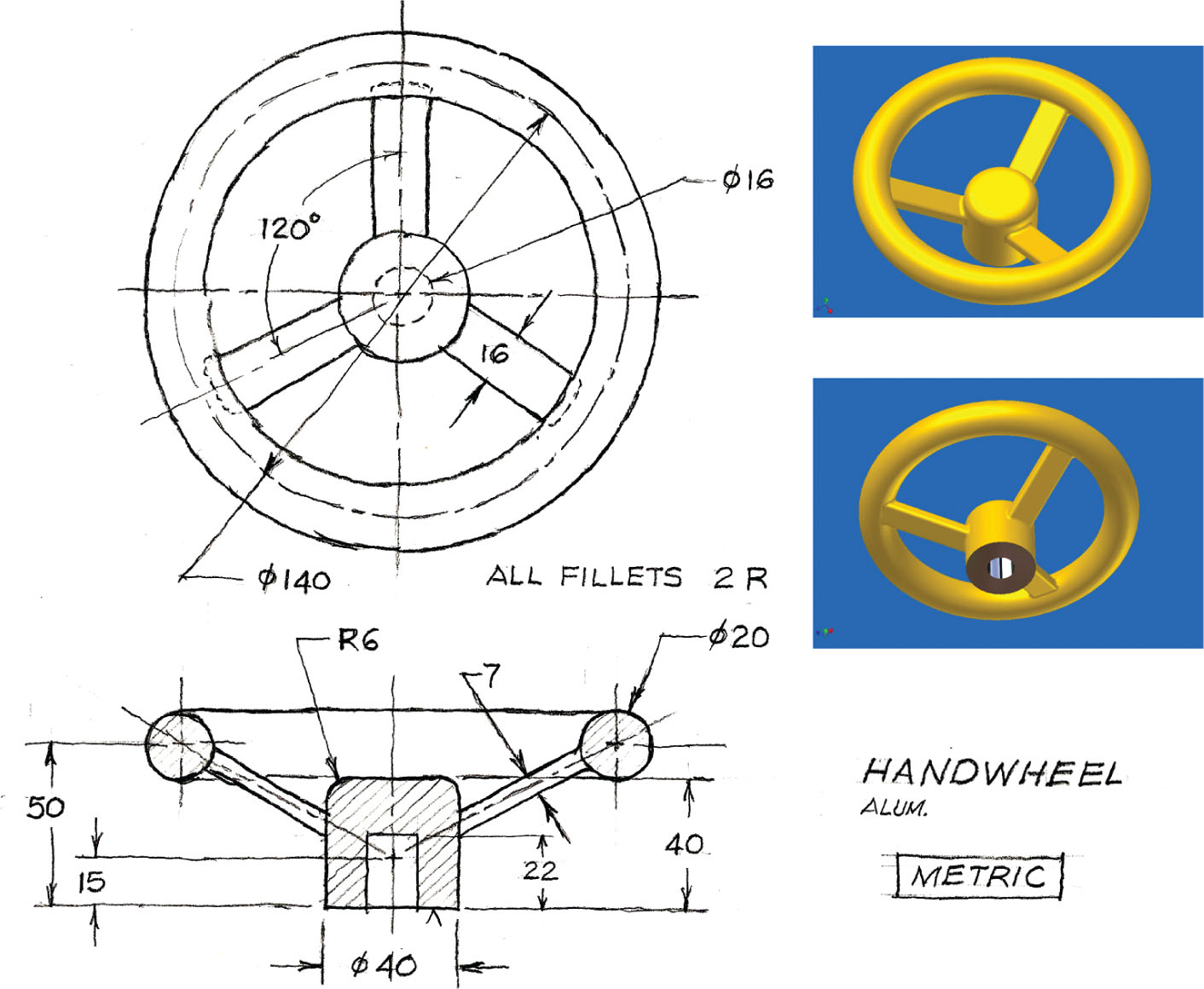
## 8.5 Figure 8.71 – Shift Link

Construct 3-D solid part, then create the necessary views, including a section view.



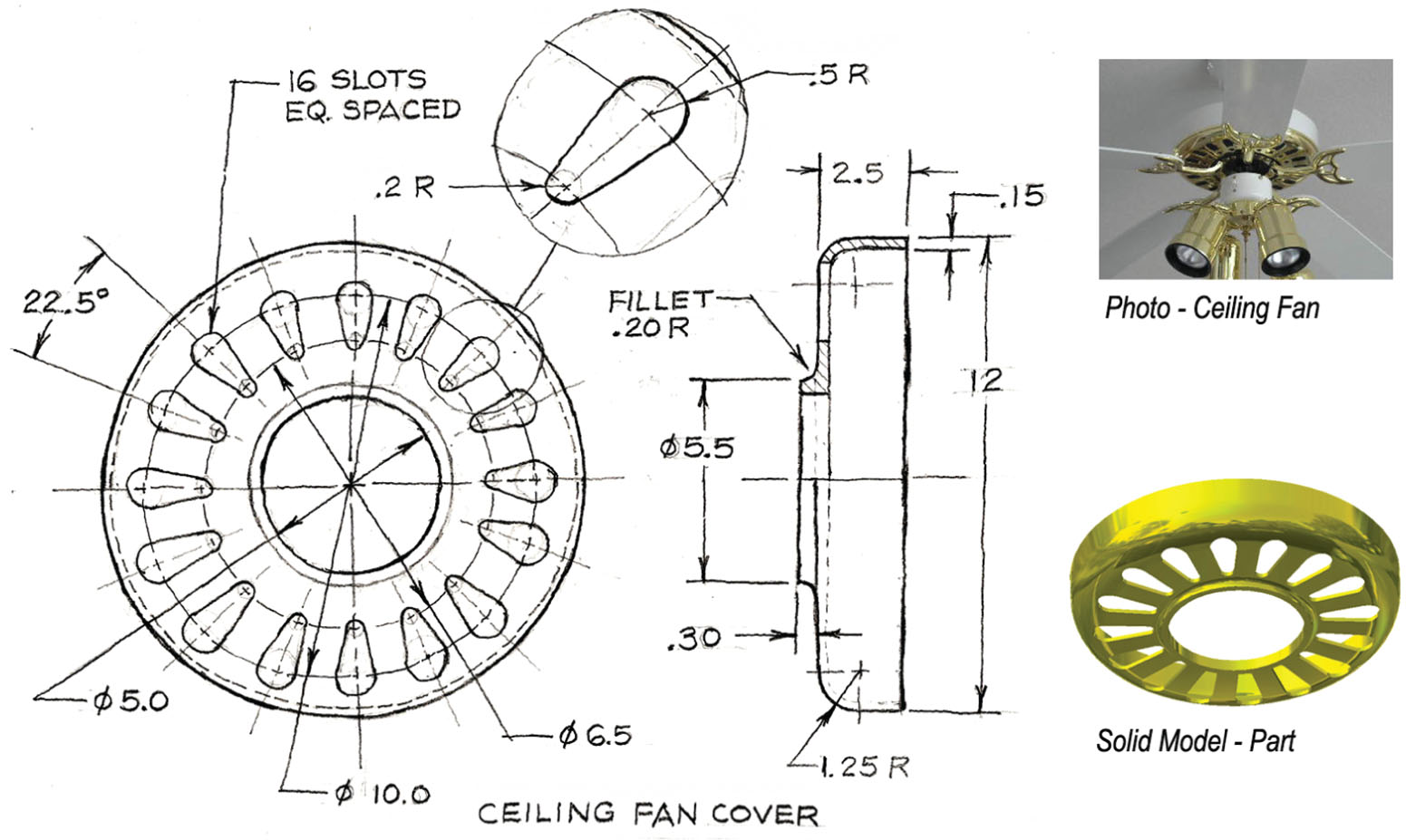
## 8.6 Figure 8.72 – Hand Wheel

Construct 3-D solid part, then create the necessary views, including a section view.



## 8.7 Figure 8.74 – Ceiling Fan Cover

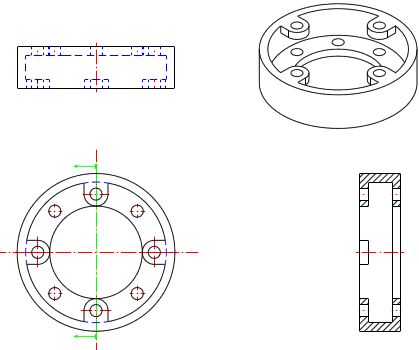
Construct 3-D solid part, then create the necessary views, including a section view.



# CLASSIC PROBLEMS

## 8.1 Classic Problem 2 – Piston Cap

Select views that will best describe the piece. Draw the multiviews, one of which is sectioned.



## 8.2 Classic Problem 4 – Column Collar

Select views that will best describe the piece. Draw the multiviews, one of which is sectioned.

