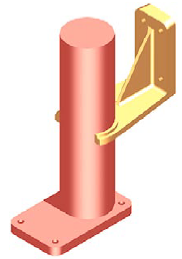
STUDY SET 11

WORKING DRAWINGS AND ASSEMBLIES

# PROBLEMS FOR LABORATORY WORK

## 11.1 Assembly Exercise 11.1

Construct 3D models of the two parts of the stand and support given in the projections with the two parts assembled together.

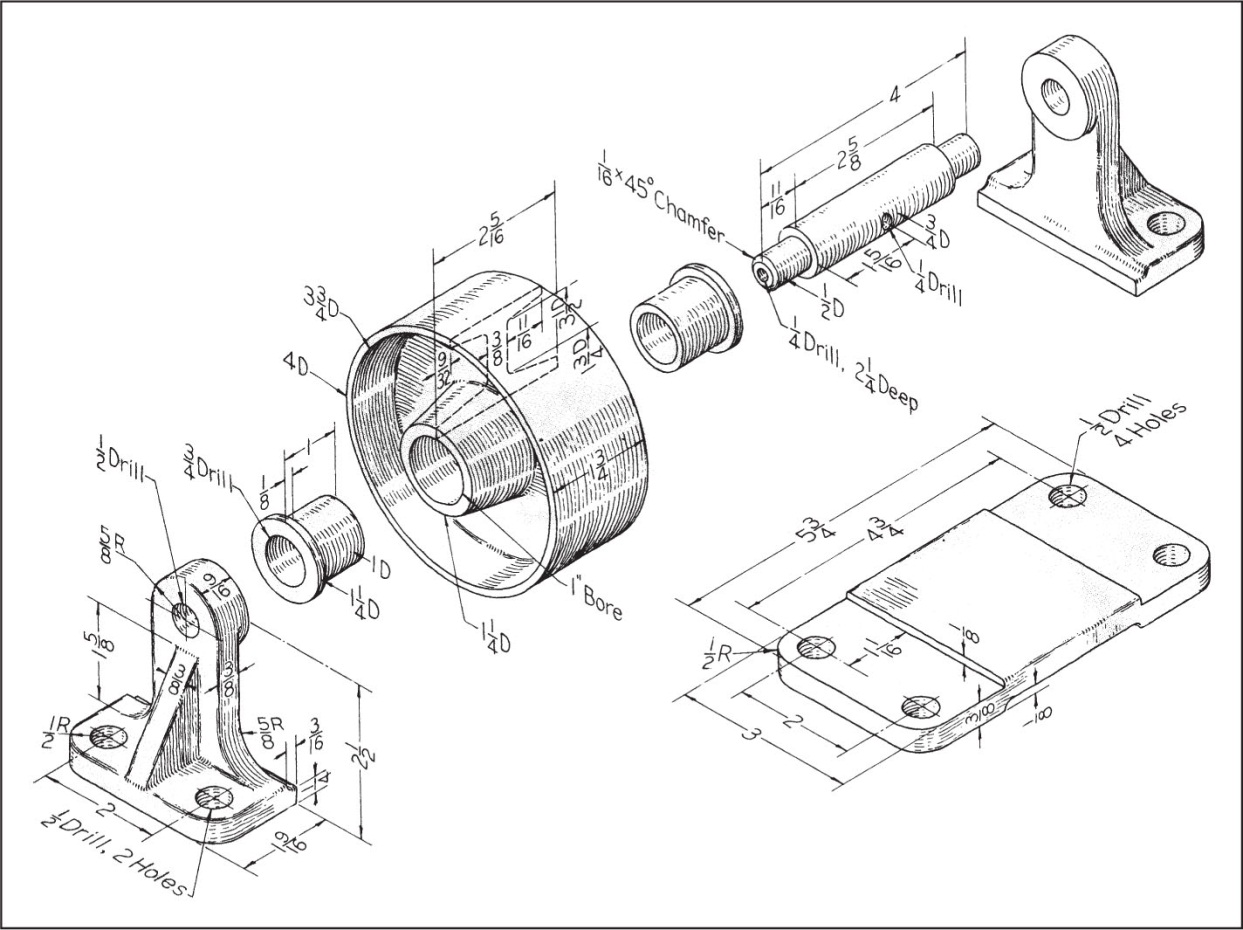


## 11.2 Classic Problem 11.1 – Sliding Door Guide

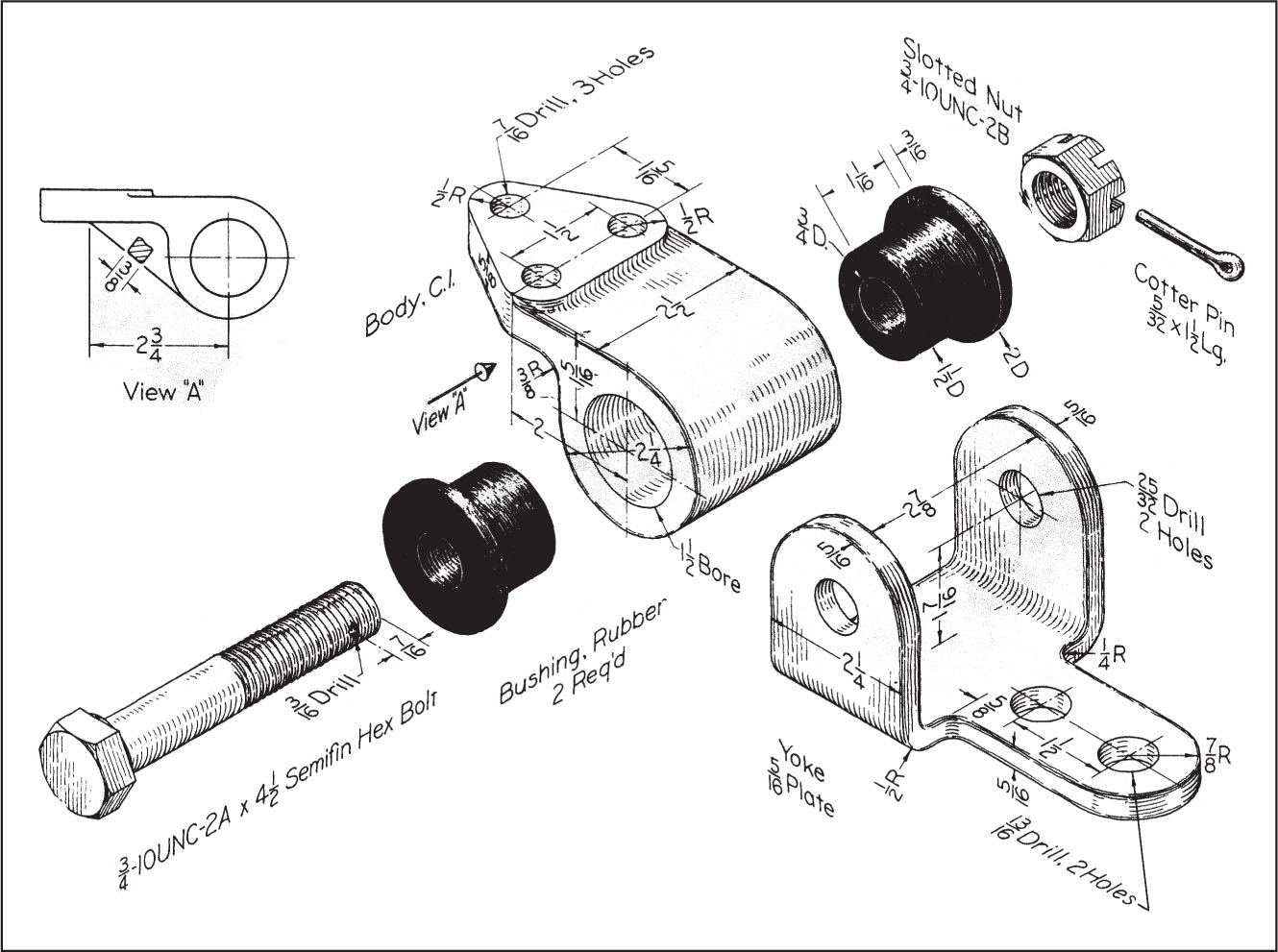
* Sketch orthographic views of each part, with dimensions.
* If dimensions are missing, determine what they should be by their relationship to other parts.
* Determine tolerances as noted or assigned.
* Create 3-D models of each part, then extract orthographic views.
* Determine finished surfaces and mark them on the sketch.
* Create dimensioned detail drawings of each non-standard part in the assembly.
* Create an orhthographic or exploded pictorial assembly drawing in section.
* Label all parts in the assembly drawing, using numbers and balloons.
* Create an ANSI standard parts list with all relavent information for the parts in the assembly.

# SELECTEDPROBLEMS

## 11.1 Classic Problem 11.2 – Bell Roller Support

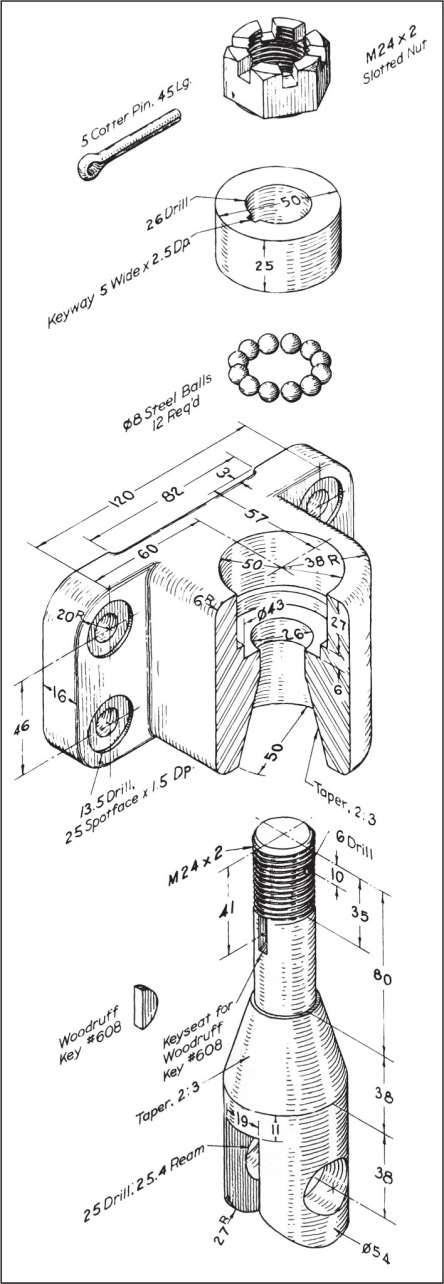


## 11.2 Classic Problem 11.3 – Anti-vibration Mount



Note- Do not consider threads. Treat them as untreaded rods or holes.

## 11.3 Classic Problem 11.4 – Pivot Hanger

Note- Do not consider threads. Treat them as untreaded rods or holes.

## 11.4 Figure 11.66 - Quick-Acting Hold-Down Clamp

