



**FIGURE P2-14**

Problem 2-33 Walking-beam indexer with pick-and-place mechanism Adapted from P. H. Hill and W. P. Rule. (1960). *Mechanisms: Analysis and Design*, with permission

2-33 Figure P2-14 shows a “pick-and-place” mechanism in combination with a “walking beam.” Sketch its kinematic diagram, determine its mobility and its type (i.e., is it a fourbar, a Watts sixbar, a Stephenson’s sixbar, an eightbar, or what?) Make a cardboard model of all but the gear train portion and examine its motions. Describe what it does. (It will help if you xerox the page and enlarge it. Then paste the copies on cardboard and cut out the links.)

\* This figure is provided as an animated Working Model file on the CD-ROM. Its filename is the same as the figure number.