



FIGURE P4-6

Problem 4-19 Walking-beam indexer with pick-and-place mechanism Adapted from P. H. Hill and W. P. Rule. (1960). *Mechanisms: Analysis and Design*, with permission

- †4-19 For one revolution of driving link 2 of the walking-beam indexing and pick-and-place mechanism in Figure P4-6, find the horizontal stroke of link 3 for the portion of their motion where its tips are above the top of the platen. Express the stroke as a percentage of the crank length O_2B . What portion of a revolution of link 2 does this stroke correspond to? Also find the total angular displacement of link 6 over one revolution of link 2.

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