

**FIGURE P6-24**

Problem 6-61 From P. H. Hill and W. P. Rule. (1960). *Mechanisms: Analysis and Design*, with permission

- 6-61 Figure P6-24 shows an inverted slider-crank mechanism. Link 2 is 2.5 in long. The distance  $O_4A$  is 4.1 in and  $O_2O_4$  is 3.9 in. Find  $\omega_2$ ,  $\omega_3$ ,  $\omega_4$ ,  $V_{A4}$ ,  $V_{trans}$ , and  $V_{slip}$  for the position shown with  $V_{A2} = 20$  in/sec in the direction shown.