

**FIGURE P11-8**

Problem 11-15

†11-15 Figure P11-8 shows a walking beam conveyor mechanism that operates at slow speed (25 rpm). The boxes being pushed each weigh 50 lb. Determine the pin forces in the linkage and the torque required to drive the mechanism through one revolution. Neglect the masses of the links.

† These problems are suited to solution using *Mathcad*, *Matlab*, or *TKSolver* equation solver programs.