Figure 1.1  (a) Component block diagram of a room temperature control system
(b) Plot of room temperature and furnace action
Figure 1.2 Component block diagram of an elementary feedback control.
Figure 1.3 Component block diagram of automobile cruise control
Figure 1.4  Block diagram of the cruise control plant
Figure 1.5  Open-loop cruise control
Figure 1.6  Closed-loop cruise control
Figure 1.7  Early historical control of liquid level and flow
Figure 1.8  Drebbel's incubator for hatching chicken eggs. (Adapted from Mayr, 1970)
Figure 1.9  A steam engine from the shop of James Watt.
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Figure 1.10  Watt's steam engine (1789–1800) with fly-ball governor.
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Figure 1.11  Operating parts of a fly-ball governor
Figure 1.12 A papermaking machine (From Åström, 1970, p. 192. Reprinted with permission)