



**FIGURE B.8.4 A D flip-flop with a falling-edge trigger.** The latch, called the master, is open and follows the input  $D$  when the clock input,  $C$ , is asserted. When the clock input,  $C$ , falls, the first latch is closed, but the second latch, called the slave, is open and gets its input from the output of the master latch.