```java
public class TTASLock implements Lock {
  AtomicBoolean state = new AtomicBoolean(false);
  public void lock() {
    while (true) {
      while (state.get()) {};
      if (!state.getAndSet(true))
        return;
    }
  }
  public void unlock() {
    state.set(false);
  }
}
```

FIGURE 7.3 The TTASLock class.