



**FIGURE 9.8** The FineList class: why remove() must acquire two locks. Thread A is about to remove *a*, the first node in the list, while thread B is about to remove *b*, where *a* points to *b*. Suppose A locks head, and B locks *a*. Thread A then sets head.next to *b*, while B sets *a*'s next field to *c*. The net effect is to remove *a*, but not *b*.