Answer #266

The answer is (a): the little devil will rotate clockwise (in the opposite direction), but much more slowly, as seen in an mpeg video by clicking your mouse on the photograph below.

This is basically the same problem as the Feynman inverse sprinkler problem (Question #61). Because the two primary forces cancel in the inverse sprinkler case, the effect is smaller and different in character, as can be seen in the video and as is described in the discussion with Question #61.

The entire video of the little devil going down and then back up can be seen by clicking your mouse here.