



**Figure 14.** The Archimedes Sphere. In the glass globe on the right, the pointer, who is holding a spindle, would reveal the hours of the night in which certain constellations should appear on the ball on the left. The months of the year, which would influence the orientation of the visible constellations, was mediated by the dial between the two. By interacting with either ball, the other changes accordingly—always through hidden (and often magnetic) mechanisms.