

upright. She did not pick out the essential acts that led to success. She perceived that the nut could be secured by going through a certain series of motions, and the useless movements were gradually eliminated with an average shortening of the time necessary to gain the desired end. So far as her progress is concerned after she had removed the cork from the bottle, she gave no evidence of clearly perceiving how anything that she did furthered her purpose. Apparently she did not clearly apprehend that if she turned the bottle upside down the nut would fall down within reach of her fingers, although she had seen the nut fall dozens of times. In the course of her intent efforts her mind seemed so absorbed with the object of desire that it was never focussed on the means of attaining that object. There was no deliberation, and no discrimination between the important and the unimportant elements of her behavior. The gradually increasing facility of her performances depended on the apparently unconscious elimination of useless movements.

The previous experiments were modified by giving Lizzie a nut in a screw-cap Mason jar without a cover. She could easily reach into the wide mouth and get the nut, but she picked up the jar instead and turned it about. Having accidentally dropped the jar, she scuttled away in alarm, but she cautiously approached it again, turned it over and got the nut. Then she picked up the jar, carried it to her perch, rolling it over and over with her hands and feet in