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(57) Abstract :
An automated water level controlling system (100) designed to regulate the water level in a tank. It includes a water tank (102), a double crank chin mechanism (106), switches (104a-104n), a 4-way elbow (206), a motor pump (108), an electric board (110), and wires (112). The double crank chin mechanism (106) controls the water flow into the tank using slotted pipes (202a-202n), a crank rod (204), and floating balls (206a-206b) that activate and deactivate the switches (104a-104n) based on the water level in the tank. The system is activated by turning on the motor pump (108) manually, and as the water level rises or falls, the floating balls (206a-206b) push the appropriate switch to regulate the flow of water into the tank. The electric board (110) distributes power to the components of the system.

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