



## A WATER-LEVEL GAUGE OF THE LONG-DISTANCE RECORDING TYPE.

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The figure below shows the main features of the wiring diagram. Two Selsyn induction motors *A* and *B* with wound rotors are used. The rotor of *B* is compelled to follow the motion of that of *A*. The angular position of rotor *A* is governed by a float mechanism operated from the water-level. An installation for recording a change of water-level of 20 ft. is described, in which one half revolution of the rotor corresponds with 2.09 feet change in water level. The error in the position of rotor *B* is assumed not to exceed 4 degrees with a possible error of 0.05 ft.

