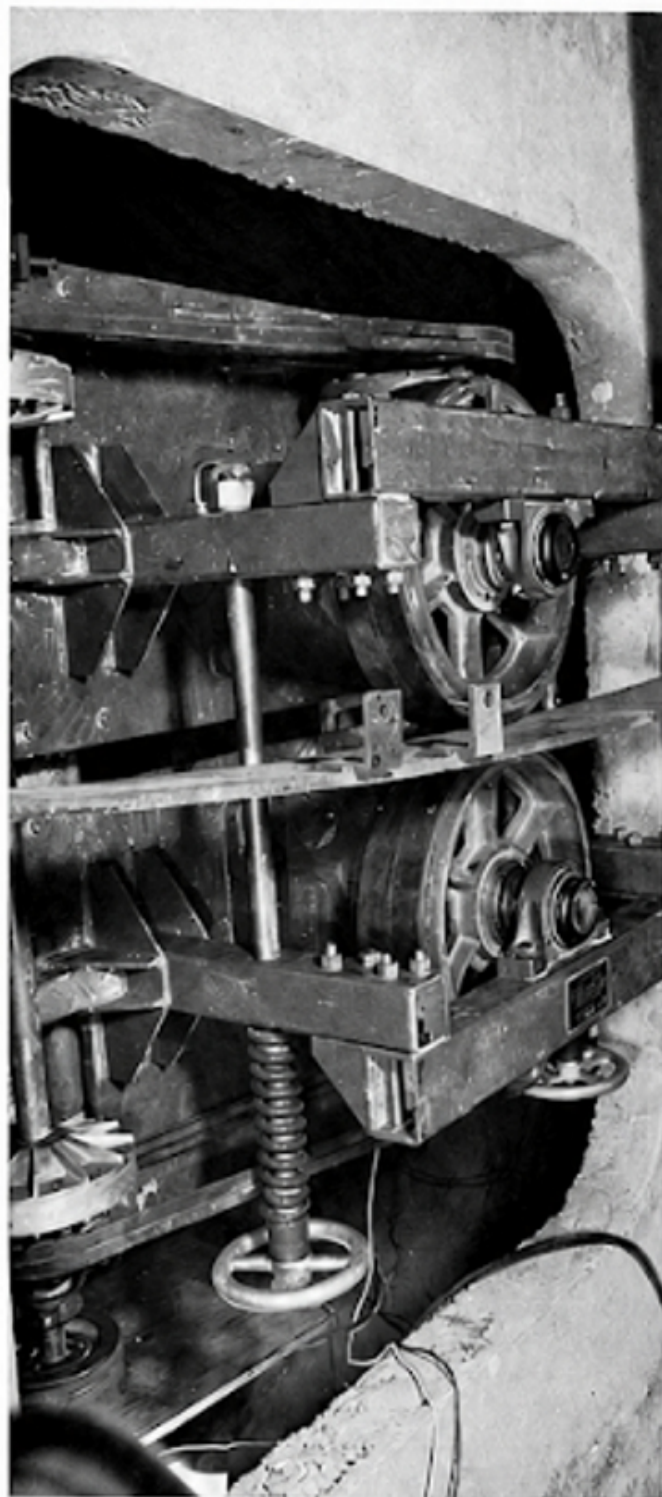


Giant 'Lazy Susan' Takes Fair Visitors Through Industry Show



The friction drive unit which operates the Macton turntable inside the "Tower of Light" is shown above. Its operation is much like that of a phonograph. For smooth starting and stopping, this turntable has controlled acceleration and controlled deceleration.

A GIANT "Lazy Susan" or a large phonograph turntable: both could be descriptions of the solution which has been found to cope with the problem of moving visitors through the Electric Power & Light Exhibit.

It is expected that each day, for the 180 days of both Fair seasons, an average of 17,000 people will come to view the show. A way had to be devised to keep the flow of traffic moving at a comfortable and convenient pace.

Macton Engaged

To meet this need, EP&LE engaged the Macton Machinery Co. of Stamford, Conn. to construct and install a unique revolving magic carpet. Said to be the second largest such ring ever built, it has an outside diameter of 108 feet, and an inside diameter of 78 feet. Visitors are transported to the turntable via a moving ramp, embarking on a seven-stop tour of *The Enjoyment of Electricity*. At top capacity, this moving stage will carry 30,000 people a day through the "Tower of Light."

Powered by a 15-horsepower motor, the ring operates on a principle similar to a phonograph turntable. As far as it is known, this is the first time a turntable has been built with controlled acceleration and deceleration. It starts slowly, and then goes at a constant speed, with stops at regulated three-minute intervals.

Several safety features have been built into the machinery of the turntable. Only one man — the master controller — can start it. However, seven attendants, who are located at the seven stations, can stop the moving turntable if necessary.

An entrance and exit gate — two additional safety features — have also been constructed. These are two curved gates running parallel to the curvature of the ring. They operate very much like curved sliding doors. When the turntable has come to a complete stop, it will hit a limit switch, automatically opening the gates. The attendant will then let a given number of people in, press a button, close the gate, and start the turntable. The revolving ring cannot be set in motion unless the gates are closed.



The turntable for the "Tower of Light" show is assembled, above, by Macton Machinery Co., in Stamford, Conn. In the photograph below, the track for the turntable is being erected at the pavilion. This is the second largest such turntable at the Fair. Visitors to the Tower of Light pavilion are transported through the seven chambers of the show on this turntable.

