



## PANEL MACHINE SWITCHING DEMONSTRATION

THE OPERATION of panel machine switching apparatus is visualized in Seattle by means of a demonstration set that has been especially devised and built to make the various functions as clear to the lay mind as possible.

The demonstration is set up on a portable stage. The frames extend to full height and embody enough of the regular equipment to complete telephone connections. Through the deft use of the painter's brush, they appear to be completed to the full width.

An improvised stage has been placed in the dining-room of the Masonic Club, where the weekly luncheons are held by the Chamber of Commerce members council, by the Rotary Club, and several other civic organizations. Before the members of these bodies the demonstration was shown early in February in anticipation of the big Main-Elliott cutover. Other showings will be arranged in places accessible to the general public.

In advance of the actual placing of a call when this demonstration is shown, a representative of the company gives a concise lecture on what the model apparatus reproduces. He points out in succession the line finder frame, where a call first comes in and through which connection is gained with a sender; then the district frame, which routes the call to the central office dialed; then the incoming frame, which receives the call at the central office unit and routes it to the

final frame; and then the final frame, where the connection is completed to the line and number called.

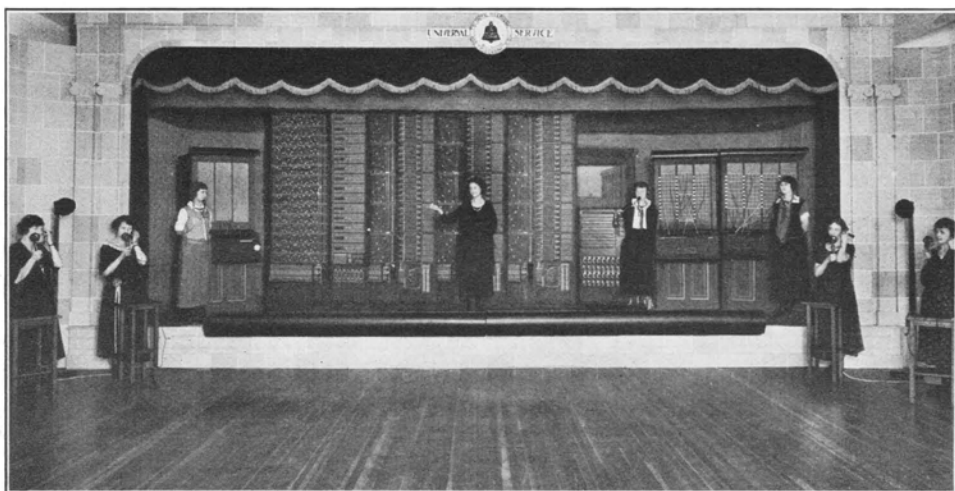
Following the lecture, the receiver is taken from the hook on a telephone before the audience. As the call is dialed, each step in response to the dialed numbers is pointed out until the bell of the called telephone is rung.

It is demonstrated to the audience how calls can be made from one machine switching telephone to another as well as calls from machine switching telephones to manual telephones and from manual to machine switching telephones. The special "A" position is used to demonstrate how the special service operator handles such calls as vacant code, number change, wrong number, and reverting calls.



### AMERICA LEADS WORLD

THERE WERE over 160 telephone conversations during 1921 for every man, woman, and child in the United States, a considerably larger average than in any other country in the world. According to the best information available, Denmark and Norway, whose telephones are operated partly by private companies and partly by the respective governments, rank next to the United States in per capita telephone conversations; but in each of these countries there were forty fewer calls per person during 1921 than in this country. Sweden, where government ownership prevails, follows with an average of only ninety-one telephone conversations per inhabitant during the year. France and Great Britain, whose entire telephone systems are government-owned, are eleventh and twelfth, respectively, each country averaging less than twenty calls per person during 1921.



MACHINE SWITCHING DEMONSTRATION SET BUILT AT SEATTLE AND USED TO INFORM THE PUBLIC IN ADVANCE OF THE RECENT MAIN-ELLIOTT CUTOVER IN THAT CITY