

They are experimental and the equipment is not yet available in commercial form.

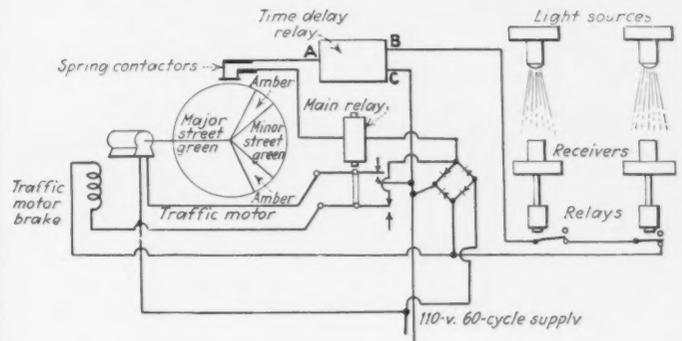
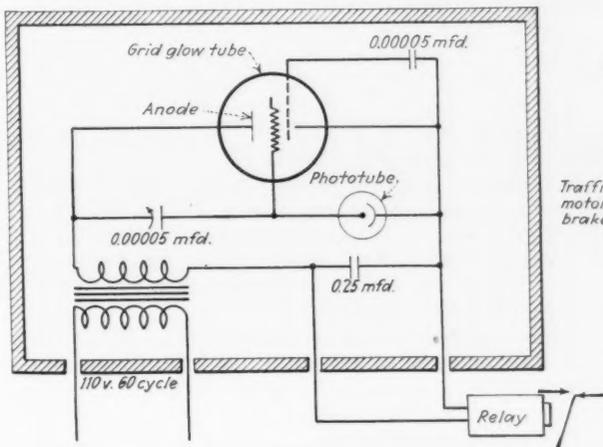
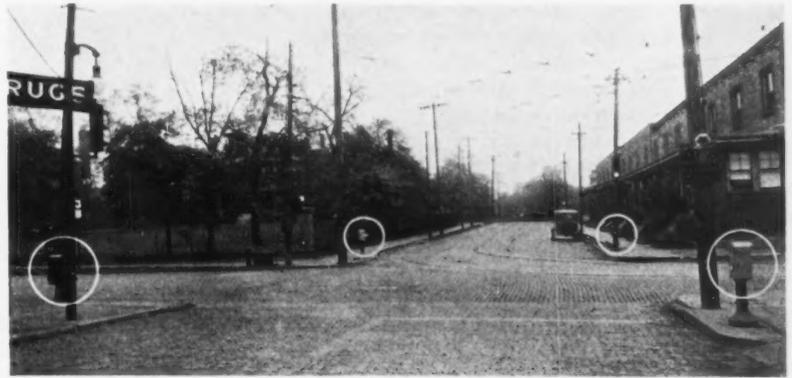
When traveling on a major highway, it is annoying, as well as wasteful of time, to stop at a red traffic signal, when there is no car waiting to use the green light which has been flashed on the minor highway. To keep the light green all the time on the major, and give the right-of-way to the minor street only when necessary, a light beam can be focussed on a phototube across the minor street, so that when a car intercepts the beam the traffic light would be flashed green on the minor street.

The first installation was in East Liberty, Pennsylvania, at the corner of Stanton and Highland Avenues. The second installation was at the corner of Coal Street and South Avenue, the latter being parallel to the William Penn and Lincoln Highways, in Wilkesburg, Pennsylvania. South Avenue carries a fraction of the heavy main highway traffic.

\*By R. C. Hitchcock, Research Engineer, Westinghouse Electric and Manufacturing Company.

## Traffic controlled by light beams\*

THE INSTALLATIONS shown were developed by the research laboratories of the Westinghouse Electric and Manufacturing Company to obtain working information on traffic control systems, and field experience on phototubes illuminated at a distance from light sources.



Circuits and arrangement of photo-cell relays in traffic-control system