B. Automatic Train Stop

When that distance, or simultaneously and approach the intermediate signals at speeds of 50 m.p.h. over a portion of the line. As a result of these tests, the Southern Pacific Company has established its standard the $228,000. Similar indications of the result of these tests, the Pacific Company has established the result of tests in conformity with requirements of the Commission's order would entail an additional expenditure in excess of $2,000,000 for the entire system. The Southern Pacific urges that this latter expenditure is not justified, and asserts that the hazard of collisions at intermediate points is negligible. In support of this it points to the fact that no collisions have occurred on its line between trains moving in opposite directions which could be ascribed to insufficient spacing of intermediate home signals.

Representatives of the employees oppose the modification or interpretation of the rules sought on the ground that safety of operation would thereby be decreased. The rules in question were established and are intended to promote the safety of employees and travelers on railroads. Time was provided in which to make the necessary changes. It is our duty to effect the greatest measure of safety at the earliest possible time. To "promote," safety means to "advance," "extend," "elevate" or "contribute to the growth or enlargement of" safety. Johnston v. Atchison, T. & S. F. Ry. Co., 225 I.C.C. 519, 547. The rules in question contemplate continuing progressive improvement of the systems involved. These requirements apply to all railroads alike, and numerous applications covering proposed modifications which are designed to bring their signal systems into conformity with these requirements have been filed by other carriers and approved by us. This record does not indicate that the approval sought by the Southern Pacific would promote safety. The essential parts of the testimony in support of the application merely show that over a period of years in the past there have been no head-on collisions charged to the present spacing of the signals involved. Generally speaking, the speeds of trains have been substantially increased since this system was installed.

We are of the opinion and find that the proposed modification of sections 204 and 207 would result in a lower standard of safety than is prescribed by our order of April 13, 1939, and that the petition for approval sought should be denied."

An order to that effect was issued.

Illinois Central Order

On August 1, the Interstate Commerce Commission issued an order directing the Illinois Central, and all other interested parties, to show cause on or before October 1, as to why the Illinois Central should not be required to adopt certain rules concerning automatic train stop and cab signaling devices. No such cause was shown, and on October 1, the Interstate Commerce Commission issued an order directing and requiring the Illinois Central to establish and maintain the following rules:

"289-A. Automatic Train Stop Device:—Locomotive enginemen, upon leaving initial terminals, will make required departure tests and must know that all equipment is in proper operating condition before proceeding. Before entering automatic train stop territory, enginemen will cut in automatic train stop device and know it is in proper operating condition before proceeding. Locomotive firemen upon leaving final terminals and upon entering automatic train stop territory will ascertain from enginemen whether automatic train stop device is in proper operating condition.

"C. Engine Cab Signal:—When the electrical engine device or the signaling current in the rails has failed, the electrical device may be cut out, electrical device remaining cut in, and train will proceed at restricted speed, not exceeding 15 m.p.h., to the first available point of communication.

"D. Train will then proceed in accordance with instructions of chief train dispatcher and at a speed considered safe, taking weather conditions into consideration. Train will approach all home signals at interlocking plants prepared to stop, also approach all facing-point switches prepared to stop, unless the way is seen to be clear.

"Chief train dispatcher will notify all trains concerned, by train order. He will issue order providing that the train, without automatic train stop protection will be protected by adding such train at open train order offices until preceding train has cleared next open train order office ahead. Under conditions not here provided for, chief train dispatcher will issue order that train without automatic train stop protection may proceed to a definite point at restricted speed not exceeding 15 m.p.h.

"E. In event train stop application occurs and engineman is unable to release brakes, the pneumatic device will be cut out, electrical engine device remaining cut in, and train proceed in accordance with engine cab signal indication. Report must be made to chief train dispatcher from first available point of communication, and chief train dispatcher will issue order providing that train with pneumatic device cut out and electrical engine device remaining cut in will be protected by holding such train at open train order offices until preceding train has cleared next open train order office ahead."