

not entirely so, as there seems as yet to be no satisfactory appliance that will wholly prevent the escape of live sparks from stacks under extreme conditions.

(*Second.*) The extinguishing of fire, live coals and ashes deposited upon tracks or rights of way outside of yard limits. Fortunately there now seems to be very little trouble from this source.

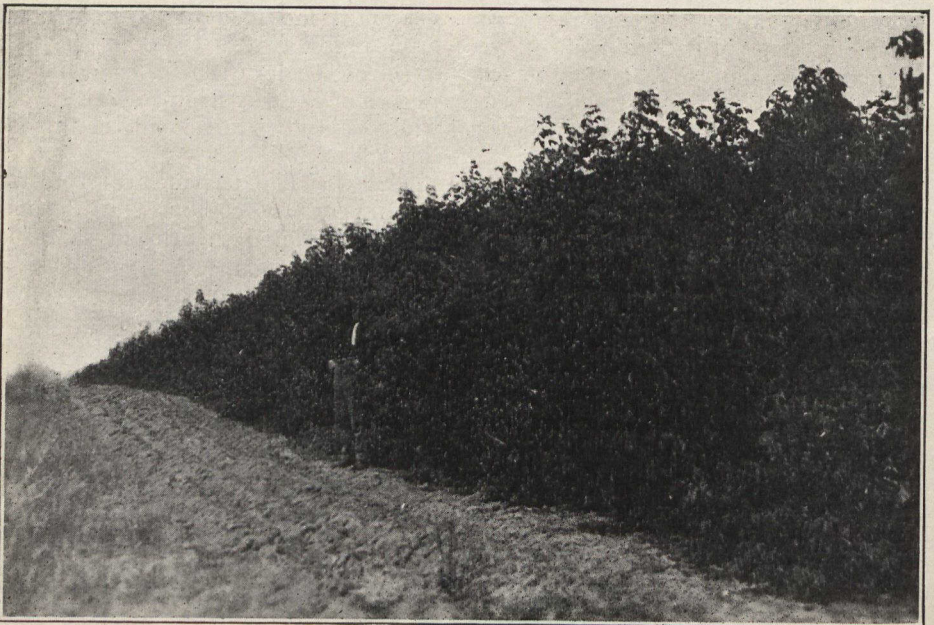
(*Third.*) The non-use of lignite coal. There are vast deposits of lignite in the prairie provinces, and much trouble has been experienced in the past through fires caused by the use of this fuel on railways. It finally became necessary to prohibit its use entirely as locomotive fuel.

(*Fourth.*) The establishment and maintenance of fire guards in the prairie sections. The application of this requirement has so far been limited to portions of Alberta, Saskatchewan, and Manitoba, where there is danger of grass or stubble

fires. The Chief Fire Inspector is given full authority to prescribe how, when and where fire guards are to be constructed.

(*Fifth.*) Regulation of burning of inflammable material along rights of way. The Railway Act requires that railway companies shall at all times maintain and keep their rights of way free from dead or dry grass, weeds and other unnecessary combustible matter. It has been found that a certain amount of regulation is necessary, in order to prevent the burning of debris at dangerous times by irresponsible employees, thus constituting a serious fire menace.

(*Sixth.*) The last of the special requirements is with regard to the reporting and extinguishing of fires by railway employees. Where the fire danger is not great, the situation is sufficiently taken care of as a rule, by the requirement that conductors, engineers, and trainmen shall take particular pains to report any fires



Snow fence consisting of row of maple trees along railway right of way. Forest planting is gradually replacing the old style of wooden fences to protect railway tracts against drifting snow. Note plowed fire guard to protect trees against fire.