

At a test in Ottawa, the engine was taken to the foot of the locks, and, while the engine was not working as well as it should, through an unfortunate mistake in the mixing of the gasoline and oil, it worked steadily and pumped water 173 feet vertically to the top of Parliament hill. An engine of that kind, that can be taken any place in the mountains, by man-power if necessary, should be of great value in extinguishing fires which are guarded, and possibly, may be of great use in direct fire fighting. The intention is to use a battery of engines. One engine would pump through 1,500 feet of hose to a readily portable canvas basin, and a second unit would pump from that on. We might require a good many units, because we are never sure of having water close to a fire. The installation is not expensive; were it so it would be useless to consider it. The engine cost \$210, the hose \$165, or a total cost of \$375. By ordering in quantity we could no doubt secure a considerable reduction in these prices.

Use of Aliens
in Clearing
Work

The Forests Committee of the Conservation Commission last year called attention to the desirability of removing inflammable material in the woods on Government lands outside of the railway right-of-way. We have made a beginning in that regard. I doubt whether we could have done anything under ordinary circumstances, because the wages of laboring men are three dollars a day in the West. We were fortunate, however, in having a camp of interned aliens engaged on road construction there, and, as the road ran parallel and close to the railway, we had them do a considerable amount of clearing along the railway tracks outside the right-of-way.

This cleared portion appealed so much to us that we extended it to our own roads. We had the aliens clean fifty feet on each side of the roads and they also trimmed off the trees. The improvement in appearance was such that, if we can ever get money for it, we intend to construct all our roads in that way. Incidentally, we protected our forest from fire. These roads are now being largely used by automobiles and carriages, and cigar and cigarette stubs and matches are carelessly thrown to the side; if there were debris there fires would likely be started.

Co-operation by
Private Interests
in Fire
Prevention

Another feature of our work has been a campaign of education. We have devoted a good deal of attention to it and we hope we have secured some results. It has cost practically nothing, and will, we believe, contribute to the education of the public on fire prevention. Practically there are only two kinds of fires, so far as our parks