

or his agent the number of logs he wishes to make; the forester is then consulted and from his plans and estimates the compartment or working block containing the required number of logs, is marked for him. As soon as the required number of board feet for the year have been secured, the contracts are closed.

### *Waste Elimination*

Our policy is to utilize all merchantable material, in accordance with the cutting plan. Hemlock especially is to be favoured, as its rapid rise in price, especially of the inferior qualities and the large percentage it forms of the standing timber warrants its exploitation in larger quantities than has been the custom. From the following data, it will be seen that our cut of hemlock is not in proportion to the standing timber:

Average amount of Hemlock	
per acre.....	10. 000 feet.
Average amount of Spruce	
and Balsam.....	6. 000 "
Percentage of Hemlock cut 20 per cent	
" of Spruce and	
Balsam.....	70 per cent

From the cutting plan, it will be seen that the proportion should be 5 parts Hemlock to 3 parts of Spruce, or 5 million feet Hemlock to 3 million of Spruce and Balsam. It will be some time before these figures can be practically applied, and therefore the best policy would be to increase the cut gradually and when economic conditions are favourable, cut the specified amount.

Every effort must be made to eliminate waste, especially in tops and butts, and the main object to be aimed at while cutting is to leave a clean, healthy growth of young trees, with the age classes properly represented. By these means, the great principal of Forestry will be approached, namely the reproduction of timber in a systematic manner.

L. Garneau, F. E.  
Forest district Inspector  
Forest Service, Quebec

## NEW PUNISHMENT FOR BIRD KILLERS

The old form of punishment by the stocks and the pillory had at least the advantage of advertising both the crime and the penalty. *Youth's Companion* says a similar object seems to have been in the mind of a California judge who recently fined two boys for shooting song birds. The fine was twenty-five dollars apiece, but the court remitted it on condition that the boys carry a banner furnished by the Game Protective Association, with a suitable inscription and the bodies of the dead birds, properly labeled and classified in respect to their usefulness as destroyers of insects; that they distribute one hundred pine cones and six rule cards; and that they bring in fifty signed pledges from other boys.

## *The Community End*

BY LIONEL HITCHENS

"No man can serve two masters; he cannot serve himself and the community; for then the kingdom would be divided against itself; he can only serve himself by serving the community, and this is surely the only sound foundation on which industry can rest. If we are ever to solve the great industrial problem, it can only be by recognizing that industry is primarily a national service, and that the object of those engaged in it is first and foremost for the good of the community as a whole."

The Minnesota state forestry department is placed in charge of scaling and measuring timber cut from state lands, under order of the Minnesota Public Safety commission, adopted in January.