

first day of November in any year, except for the purpose of clearing land, in which case no fire shall be set except between the first of July and the first of September only.

3. Any person who shall set or cause to be set afire contrary to the provisions of the foregoing section, shall, in addition to his liability for all damage, become liable upon conviction to the payment of the penalty mentioned in the Act of this province, 34 Vict. cap. 19, which shall be recoverable in the manner therein laid down of a penalty not exceeding 50 dollars, and in default of the payment of the said fine, with or without delay, to an imprisonment in the common gaol of the district in which the conviction takes place, for a period of not more than three months, unless the said fine and cost, together with the costs of imprisonment and conveyance of the delinquent be not sooner paid.

4. It shall be lawful for the Commissioner of Crown Lands to employ, between the first day of April and the first day of November, for the purpose of enforcing the provisions of this Act such a number of men as he may deem necessary for that end; and in each fire district so established he shall name an officer who shall be known and designated as "Fire Superintendent."

5. The Commissioner of Crown Lands may permit any person holding a license in any territory included in any such fire district, to place at the disposal of the Fire Superintendent, any number he may see fit of his employes for the purpose of aiding in the enforcement of this Act, which employes shall be under the sole and exclusive control and direction of the said Fire Superintendent, and bound to execute his orders. The salaries and expenses of such employes shall be borne by the licensee.

6. All locomotive engines used on any railway which passes through any lands comprised in any such fire district or any part of it, shall, by the company using the same, be provided with and have in use all the most improved and efficient means used to prevent the escape of fire from the furnace or ash-pan of such engines, and the smoke stack of each locomotive so used shall be provided with a bonnet or screen of iron or steel wire netting, the size of the wire used in making the netting to be not less than number nineteen of the Birmingham wire gauge, or three sixty-fourth parts of an inch in diameter, and shall contain in each square inch at least eleven wires each way at right angles to each other, that is in all twenty-two wires to the square inch.

7. It shall be the duty of every engine driver in charge of a locomotive engine passing over any such railway to see that all such appliances as are above mentioned are properly used and applied, so as to prevent the unnecessary escape of fire from any such engine, as far as it is reasonably possible to do so.

8. Any railway company running, or permitting any locomotive engine to be run in violation of the provisions of the preceding sections of this Act, shall be liable to a penalty of one hundred dollars for each offence, to be recovered with costs in any court of competent jurisdiction.

9. All railway companies whose lines pass through any lands comprised in any such fire district or any part thereof, shall be bound under a penalty of one hundred dollars, recoverable in the manner provided in the preceding section, and subject in addition to the liability for all damages caused by fires originating from sparks issuing from their locomotives, to clear off from the sides of their respective roadways all combustible materials, by carefully burning the same or otherwise. And it shall not be necessary in any such action for penalty or damages to prove the name or number of the locomotive, or the name of the engineer or fireman in charge of the same.

10. For the purposes of this Act, all Fire Superintendents, agents for the sale of Crown Lands, employes of the department of Crown Lands, sworn land surveyors, and wood rangers employed by the department of Crown Lands, shall be *ex officio* justices of the peace; and any justice of the peace, before whom has been proved any contravention of the provisions of this Act, may impose the penalty above set forth.

11. This Act shall come into force on the day of its sanction.

ROBT. D. LYONS.

House of Commons, London, April 6, 1885.

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While these pages are passing through the press Dr. Lyons has been favoured with the very interesting and important report on "The Geographical Distribution of the Forest Trees of Canada, by Robert Bell, M.D., F.G.S.C.E., Assistant Director of the Geological Survey of Canada, 1882." On the accompanying map the general Northern limits of the principal forest trees of Canada east of the Rocky Mountains are represented. The