Canada Lags in Road Building

Overseas Men See Great Contrast to Highways in Europe Experience of England Shows what to

Returned soldiers, who took part in the "big push" during the autumn of 1918, will recall the frequent signs" Dry weather track.' They were very useful, those tracks; not being marked on the map, the Hun did not have them registered. and even if he did discover one, it was easy to abandon it for another. Thus, as the weather was good on the whole, these tracks were quite serviceable. Fut, if it had been rainy, that would have been another

Away from shell-fire, however, as every soldier knows, the French roads were serviceable in all weathers. They stood up admirably

What would have happened to our Canadian reads under the same other words, a considerable fraction energy of the nation. conditions? all only "dry weather tracks. tion, we are a century behind and tear, but the war has greatly human resources. Fratee, although we pride our-accelerated the process. There is

that this condition is due to the fact that Canada is still a "new ' country. The fact is that some of principal. the oldest sections of Canada have the worst roads.

It is largely due to the continubuilding and maintenance. same system has been tried in numbers of men in the army. Britannica descril es as follows:

accounts cited ment. Let us hope that the Canada

Canada, Toll-gates have been for better days.—P.M.B.

One very frequently notices undertaken for military reasons. broken glass on the streets. It is dangerous to rubber-tired vehicles be the deaths and all casualties on the part of the police.

Conservation of Our Resources Must Assist in Reconstruction

Citizens Should Recognize Collective and Individual Responsibility to Aid in Making Good War Losses-Summary of Programme

tions industry. the metal would have been put into will generally be restored. Alas! they are nearly of the world's capital has been

however, is the labour loss. The conservatively, extracting the maxmore one probes this question, the imum output of ore, (5) develop ance in force of an antiquated more far-reaching is it seen to be, our potential resources of hydrosystem of providing for public road- Everyone realizes the loss of labour electric power, (6) organize our The force, due to the enlistment of huge manufactures to secure greatest England and found wanting and is not, of course, that the soldiers ducts, (7) eliminate extravagance yet we refuse to profit by the Old did not work, but that their work in consumption and (8) find an country's experience, which the was generally non-productive, economic use for materials now Likewise, those engaged in the treated as refuse. The almost incredibly bad manufacture of munitions, muni- Under the second heading, i.e., state of the roads in England tion plant, guns and other machin-conservation of our human retowards the latter part of the ery of warfare, were engaged in sources, we should (1) make up our 17th century appears from the wasteful industries. In other minds individually to do so by Macaulay, words, millions of men were not useful work and to do it thoroughly, It was due chiefly to the state of only transferred from the produc- (2) promote the better organization the law, which compelled each tive to the non-productive class of industry from a social standparish to maintain its own roads but actually to the destructive class. point, in other words, a good by statute labour, but the estab- Again, unprecedented and unusual lishment of turnpike trusts and demands were made on all our labour, (3) organize our systems of the maintenance of roads by transportation facilities, for large transportation, storage and distolls do not appear to have bodies of men were sent overseas tribution so that products may be effected any great improve- who would otherwise have remain- conveyed from producer to coned at home and supplies for their sumer with the minimum of effort Let us hope that the Canada maintenance had to be shipped to and expense, (4) encourage the Highways Act, passed at the late them. The abnormal transportasession, spells the end of statute tion of troops and of war material ment by practical sympathy with labour and of 'turapike trusts' in required an increase of human the returned soldier, (5) as voters effort expended in carrying and was and citizens insist on efficiency in found unsatisfactory elsewhere -let also an economic waste. On the public hygiene and sanitation, (6) us abolish them here. When gov- other hand, the decreased output reduce our abnormal infantile ernments themselves undertake the of luxuries compensated to some construction of roads, we may look extent for the munition business and the curtailment of holiday travelling partly made up for that

Included in the labour loss must live in. and may cause serious injury to which have left men less efficient embody a programme of reconbare-footed children. Milk drivers for their peace-time occupations. seem to be responsible for a good Upwards of sixty thousand able-side the field of the Commission of deal of it. The matter calls for bodied Canadians in the flower of Conservation, but most of them vigilance and appropriate action their manhood, have given their are within the scope of the work that he has his spark arreste

Mere figures convey but little to represents a serious diminution of the mind. Everyone realizes that the labour force of the country. the war has cost us an enormous Some men have been totally insum expressed in money. We capacitated and must be mainshould endeavour to visualize what tained henceforth by the labour of this sum represents in materials others. Many have been so woundand services. For example, mil- ed or injured in health that their lions of tons of metal and vast labour is not as productive as quantities of cotton and various formerly. Also it must not be lost fisheries. As an instance of chemical substances, as well as sight of that most of our soldiers erude blunders of unconstitutions. millions of hours of human labour have suffered some loss of skill, due have been consumed by the muni- to being away from their work so hatchery officers who were a In times of peace, long, but with a little patience this tomed to blow through a g buildings, machinery or tools, the are, again, a number of youths fish in order to oxygenate cotton would have been made into whose period of training for their water. clothes, and the chemicals would life work was broken into and who against the rough usage of the have found a wide range of uses, of must practically begin all over swarms of motor trucks and other which not the least important again. The cumulative effect of abnormal traffic brought by the would have been as fertilizer. A all these things means that a great bulk of these wasted sub- tremendous blow has been delivered stances will never be recovered; in against the productive labour

The greatest need to-day, thereconditions: Alas: they are learny of the words capital has occur
all only "dry weather tracks," utterly destroyed. Even in norfore, of Canada, as, indeed, of all
A good rood is a road which is good mal times, such destruction is other countries, is conservation in bad weather. In road construct inevitably going on through wear (A) of our material and (B) of our

Under the first head, we must selves on being a very progressive a further difference in that war uses attempt to (1) increase the fertility are never productive in their ulti- of the soil and reclaim areas not It is not sour d argument to say mate purpose, so that, whereas in now cultivated, (2) protect our peace we carn an interest on our forests from fire and reforest decapital, in war we consume the nuded areas, (3) guard certain species of fish and wild life against By far the most serious war loss, extinction, (4) exploit our mines It efficiency and to recover by-pro-

understanding between capital and mortality, and (7) support all sound schemes of town planning and better housing and never relax our efforts till every family in the country has a decent home to

The aims enumerated above lives for our cause. This death-roll that it exists to promote.—P.M.B. place and working.

Education of Fish Culturists

Professor Prince Suggests Technic Training for Fish Hatchery Offi-cers—State of Washington Starts Fisheries College

That fish culturists in the or have been principally 'practic men who, through enthusiperseverance and hard work. certainly made notable progra yet who would have done far bette if they had had scientific train is the contention of Prof. I. Prince, Dominion Commissions crude blunders of unscientific is he cites the case of certain There tube into cans containing you Yet the veriest school ought to know that the vitiated from the lungs contains carbo acid gas rather than oxygen must be injurious to the young

Fish eggs, as much as the of any other creature, are mar of Nature, being extremely d cate, living and developing ganisms. As such, they should handled only by experts. hatchery officer must have ently siasm for his work, exactness, or and accurate knowledge. It the last-named qualification whi too frequently is lacking.

Prof. Prince suggests that deficiency should be remedied b short courses of instruction at Biological Station, spread over perhaps, three or four years. Or agricultural colleges give she courses for those engaged in anim husbandry; knowledge is just essential for men who raise fish The curriculum should includ embryology, physiology, the phy sics and chemistry of water. ology and pathology as related to fishes

An Imperial Fisheries Institute has been in existence in Japa since 1897 and has so conclusive proved its worth that a number of subsidiary schools have sin been established. That country gives a systematic training to it hatchery officers, and in France and Scotland some attempt made along the same lines.

A fisheries college has rece been started in connection with the University of the State of Wash ton, at Seattle. The college offer four-year courses, cover the biology, technology, and bus ness management of the fisheri and fish culture. Seattle is a favourable place for the establi ment of such an institution. it is probable that Canadian from the Pacific coast at least, w take advantage of the facilities offered by the new college.

Do not put too many stacks i the same yard. The more stack in a yard the bigger your wage that they will not be destroyed

Insist, when the thresher comes