EMPRANUIS WATER POWERS MIGHT BE DEVELOPED

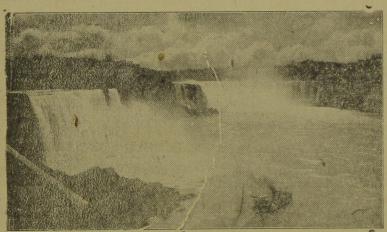
American Writer Has Scheme for Damming Niagara River Below the Gorge---Would Generate Two Million Additional Horse Power---Additional Electrical Energy has Become a National Necessity in Canada.

ped in the grint task we have set our- latest industrial processes selves of waging war. The public at | Millions of Horse Power. large does not realize it, but our po-sition at the ferefront of the electro-ernment experts it is physically pos-

ous commercial scale methlurgical available for commercial service prob

R. G. Sherrer in Scientific American, relatively cheap electrical energy is Niagara Falls is commonly regard- converting the simple materials of ed as a scenic wonder only, but with sadlt, sawdust and coke, into crystals men and women take a Cascaret nov out the power of Niagara's falling wa- of carborundum - that wonderful and then to keep their stomach, live ters we should be fearfully handicap abrasive that plays so big a part in and bowels regulated, and never know

chemical industry is due well night sible to develop at Niagara Falls entirely to the energy furnished by maximum of 6,500,000 horse power, in question will make it possible to the waters that rush from Lake Eric but because of international agree- obtain the desired power without in ment the legal maximum cannot ex-The power of the Niagara river de- ceed 790,000. As a matter of fact, be- of Niagara Falls veloped at the falls has made it pos- cause of various hampering circum sible for us to produce upon a gener- stances, the total energy actually



THE FALLS OF NIAGARA

the motors for flying machines.

thing armies. It is there, too, that the plan, is satisfied that the scheme

alloys indispensable to the production ably does not exceed 550,000 horse of steel fit for armor plate, high power power. The difference between fact guns, armor piercing projectiles, and and potentiality is the price paid for the extremely exacting demands of scenic beauty. The public generally time and time again, has registered Thanks to electro-chemistry, we are its vigorous protest against any im drawing from the air about Niagara pairment of this natural wonder. En Falls great volumes of atmospheric gineers, therefore, have striven to find nitrogen and storing it or fixing it in acceptable solutions of this economic forms that will help the farmer, the problem, and among the latest is what munition maker, the pharmaceutical is known as the Thomson-Porter Cathemist, car manufacturers of syn- aract project Additional hydro-electhere dres, etc., all of them vitally tric energy has become an acute na helpful to us in eqipping and main- tional necessity, and Dr T Kennard taining our fighting fleet and our bat- Thomson, the engineering genius of

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any wise detracting from the charm

A Massive Dam.

Briefly, the fundamental feature of the project is a massive dam arising from the rocky bed of the Niagara river and blocking the gorge from bank to bank at a point a little more than 41/2 miles below the famous cataract and something like 21/2 miles to lower the visible rise of the flankthe falls, and would therefore, in n cheme contemplates substitute rap ids below the dam that would be spectacular.

The hydro-electric installation that would be made practicable by the building of the prop sel dam, would develop quite 2,000,000 horse power United States and the other half fo equivalent to the conesrving apart from that, it would insure an would not fail the industrial consumer continuous delivery of coal. Th state of our railways today empha

Nature Would Help.

Influenced by the ensemble of tianic might and the seemingly irre sistible sweep of the waters at Niagara Falls and immediately below them it is no wonder that most people are tered by a long slope which reaches its foundation set deep down in the the lower channels, would thus be difar out into the water course and nar-rocky bed of the Niagara, his line of verted. In this way Dr. Thompson berows the river to a pronounced de- procedure would be as follows: lieves he will be able to lay substangree, giving it a maximum depth of Through the sub-section of the dam tially bare the present bottom of the ter and contract most in summer beword from the sub-section of the dam tially bare the present bottom of the ter and contract most in summer beword from the sub-section of the dam tially bare the present bottom of the ter and contract most in summer beword from the sub-section of the dam tially bare the present bottom of the ter and contract most in summer beword from the sub-section of the dam tially bare the present bottom of the ter and contract most in summer beword from the sub-section of the dam tially bare the present bottom of the ter and contract most in win-

Here it is that Dr. Thomson would capacity to accommodate the normal ty reduce the depth of water that he the moisture they contain

Thanksgiving Day In Burgess Pass



who think of sum mer days playing tennis, afternoon teas at the hotels bridge and dances in the evenings, the following

summer and fall in the mountains making my are dethered (10.465 ft.) cribable expectancy as you reach a making my are dethered (10.465 ft.) cribable expectancy as you reach a making my are dethered (10.465 ft.) cribable expectancy as you reach a making my are dethered to to become a member of the Alpine stands of the become a member of the Alpine stands of the mountains were Club, staying in camp south of Hector and spending the remainder of the trime at the Club House in Bantf. I still had not had enough of the mountains are from Hanff to Fleid, where I had a full seven hours before leaving at right.

Where is one in that time was the whole in the path was been as a fact of the reach at full seven hours before leaving at right. They are of such important the path was barely discernible night. When is given a search of the path was been and for the rail was good, having been used by leaving the fall of the search of the place o

staggered at the mere suggestion of that it is his opinion as an engineer verts would be dug channels or sluce sinking his foundations for the rest damming the river. The task might that because of the physical condi-es in the rock well below the present of the dam structure. According to we well night impossible of accomplishtions mentioned it would be entirely bed of the stream. With this dry his figures, it would cost substantially ment but for nature's helping hand, feasible to boild more than 55 per land part of the dam finished, the \$100,000,000 and take three years to At Foster's Flats, the previously cent of his lan on dry land before in- barriers between the water and the rear the dam and to build and equip abrupt drop of the wall of the river terfering at all with the flow of the upper ends of the sluices would be the associate hydro-electric plants on the Canadian side is radically all river. As this structure would have blasted away, and the river, seeking for the development of 2,000,000 horse



GORGE BELOW GRAND FALLS.

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instead of tea or coffee.

Ever ask him

the reason?

Might be worth while-especially if you are one of those with whom tea and

"There's a Reason."

ocffee don't agree.