

Fransforming The Mississippi IntoA Demon Of Energy

power that is carried for miles to the fall of water from a comparatively proved that diverting part of the Mis-

## Great Engineering Fete.

Niagara.

Lord Kelvin, the great engineer, said water from Lake Erie will find its cities where coal is energy and move way to the lower level of Lake Onta- to cheaper power? rio through machinery, doing more

run the machinery of many factories small ditch is now an open book to sissippi would in no way hinder traf- asunder. If one of these plants is con-and light and heat the homes of the the inquisitive. What is not so gen- fic and water supply the government structed, what is to hinder the conerally known is that there have been would not permit taking from the Misseveral manufacturing plants that sissippi the amount of water required the same water over and over by havhave changed their location to have to run turbine engines. the advantage of cheap power.

With power so abundant it is also when he saw Niagara that he looked cheap. Is it then any wonder that in- would not be sufficient to interfere age of coal if these plans forward to the time when the whole dustry controllers of America leave with the water supply and the wall ried out. Railroads would be free to We have, then, the motive

promise of tearing the power problem structing of many of them, and using ing succeeding plants all along the

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The water thus diverted by the wall river. into the channel, a concrete one, Who would worry about would not etxend far enough into the use their cars for other purposes. The river to obstruct traffic. Briefly sum- idea of a universal trolley system ming up the plan before going into de- could come to pass and if the mono-

## SUPPLY EVERY HOME AND INDUSTRIAL PLANT IN MIDDLE WESTA A DREAM YOU SAY? BUT ITS COMING SOON

ENOUGH ELECTRICITY TO

THE most unimpressive of us, ing and shallow. Instead of sand bars Now-a-days we say nothing is im- it did not, Lord Kelvin's expression a threatened shortage. With the ada-

Beginning as a streamlet in the hills many miles into its mouth.

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Picture the ready-made force wasted try?

his brush, the engineer, while duly the desire to see the power utilized. it?

broad expanse of water. Lazily, tranquilly, but irresistibly it sweeps on until its mouth is reached in the delta lands of Louisiana. Will Furnish Power Now comes before the engineering world a new idea whereby the forces

Then, suddenly seized with omnipo- of the Mississippi can be utilized for But at Niagara Falls it is different. that part of the water of the Niagara be followed has for its foundation the task. These experts decided in plan that with the function of the Mississippi can be utilized for But at Niagara Falls it is different. that part of the water of the Niagara be followed has for its foundation the function of the Mississippi can be utilized for But at Niagara Falls it is the function in the function of the task.

and Southwestern parts of our coun- part of the water has been diverted scheme, diverting part of the water at an angle of about 30 degrees out able power dams have a fall of about and will fit in when the Mississippi is to flow into the turbines of the power into a steel supported concrete ditch, into the river. But this dam will not 12 feet. The fall of that from the con- harnessed.

in the river's mad rush to the sea. The The task is monstrous, but when we company. Those who visit Niagara that will result in the harnessing of interfere with traffic. The opposition crete channel will be 35 feet, and the building of concrete banks along the recall the Niagara river being har- still have the same feeling of awe the great Mississippi.

that arose to converting the flow of the power will be greater in proportion.

shores of the Mississippi in Louisiana nessed in such a manner and that that has always been the case when The rest of the story of the harness- Niagara into power by the New York This Plan to Solve has made the outlet of the river a thousands are daily furnished with first is seen this orgy of nature. One ing of Niagara is a matter of history. Legislature and Canadian government Coal and Power Problem. demon of energy, which formerly was light, heat and power, it appears that does not realize that within a short How whole cities are lighted and was that it would detract from the

a lethargic mass of water, slow mov- it might be possible.

distance gigantic motors are grinding heated from electricity generated by beauty of the falls. Unless it could be

One American concern is now turning out indigo at the rate of a ton a day, and will be in position to continue to manufacture it after the war, in the That is the plan and one which gives face of German competition.

good than the great benefit we now undertaking of such a thing in the Mis- tails, the water will be run into this rail train, which is being talked of so possess in the contemplation of the sissippi Valley. Power, cheap, con- steel-supported concrete ditch and much at present, is ever perfected, scenic grandeur of the waterfalls of stant and which will supply all en- thus into turbine engines, which will the power problem which has caused ergy required for any industry will be in turn be connected with powerful a great deal of dissension, would be

Niagara. The idea of using the force of the the outcome of this project. The great-Niagara river and not in any way est opposition to harnessing the Mis-deteriorate the magnificence of the sissipl is the initial expense thereot. falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the outlay if the falls was long a matter of thought, But why worry about the matter of the falls was long the falls was although so much opposition was returns justify the means, which have In some places it is more and some glance. Towns no more would be harbrought against it by famous engineers been proven by the Niagara company's less. It is planned to build a concrete rassed by a continual smoke that is that it looked as if the matter might success. Power must be had. There channel or ditch supported by a steel the curse of so many of them. The stop at the wish. As we know now is always either a shortage of coal or frame, alongside the river with a slope country would no longer have to de-IE most unimpressive of us, ing and shallow. Instead of sahe bars Now-a-days we say nothing is the it the not, how a days we have a days we h power abundant in the flow of this a clean-swept floor deep enough for the Keckuk Dam and countless other tract part of the water above the falls? shortage of coal. Tennyson said about structed channel to that of the river, pend on an intermittent source of enthe greatest ocean liner to come for wonders have been performed which The force would be all that was neces- the brook that "Men may come and The channel would be built 40 feet ergy such as is furnished by numbers wonders have been performed which. The force would be all that was neces- the brook that men may go, but I go on forever." The channel would, be built to feet end barry and the falls themselves would in men may go, but I go on forever." wide and the sides two feet high at of tiny p wide and the sides two feet high at of tiny p water is like the poor. We shall have the beginning and increase two feet to country. Beginning as a streamlet in the hills many miles into its mouth. This is considered a masterplece of at as engineering fallacies. Where the no way be harmed. Water is like the poor. We shall have the beginning and increase two feet high at of tiny plants situated throughout the beginning and increase two feet high at of tiny plants situated throughout the beginning and increase two feet high at of tiny plants situated throughout the beginning and increase two feet high at of tiny plants situated throughout the beginning and increase two feet high at of tiny plants situated throughout the beginning and increase two feet high at of the plants situated throughout the beginning and increase two feet high at of the twenter the beginning and increase two feet to country.

the end of five miles the walls of the tieth century, would be at our beck concrete ditch will have reached a and call. It is but in its infancy and height of 10 feet. As water seeks its with plenty of it available greater uses

to the task. These experts decided The plan that will in all likelihood own level the depth of water in the for it could be planned. The current channel can be readily determined. manufactured by the generators can Then, suddenly select with only of the Mississippi can be utilized for tent energy, it hurls its waters into the Guif of Mexico with a rush that Why not harness the Mississippi so no way marred. But for a few inches from its course into a ditch which in Water will be diverted into a channel why not harness the Mississippi so no way marred. But for a few inches from its course into a ditch which in Water will be diverted into a channel river but will slope back a trifle. This formers; for a ditbar arateme bare other arateme bare Think, if you will, of the terrific countless uses for those persons rushes over the edge of the precipice for the flow to have nearly the power necessary the building of a concrete will permit a ditch to carry the sur- stepped. up. Other systems have power contained in the flow of this dwelling throughout the Central, South there is not the slightest change since of that of the falls. It is this same wall to extend for several hundred feet plus water back into the river. Profit- proven that current can be carried far