

The Field syndicate are at present negotiating with certain large works, with a view to the latter locating on the Canadian side, and there is a fair prospect that the negotiations will prove successful. In anticipation of a brisk demand for factory sites the syndicate have purchased a number of large blocks of land between Niagara Falls and Chippewa, and they expect soon to have their works for the development of power well under way.

The Field syndicate propose to divert water from the Welland river, and by a double use of the flow thus obtained they will be able to develop nearly 200,000 horse-power. The water will be brought from the river to a point on the bluffs overlooking Niagara Falls Park. The fall here obtained will permit a development of from 30,000 to 60,000 horse-power. By means of an open canal the stream will then be carried to a point on the precipice overlooking the Niagara, and immediately north of the falls. The second discharge will permit of a further development of 125 horse-power.

The exact terms of the rental to be paid by the Field syndicate will not be divulged for the present, but it is stated that they will virtually be the same as those arranged

with the Canadian Niagara Falls Power Company. The latter company has to pay a fixed rental of \$15,000 for development up to 10,000 horse-power. For the second 10,000 horse-power development the rental is \$1 per horse-power; for the third 10,000 horse-power 75 cents per horse-power, and for all further development 50 cents per horse-power.

The agreement between the Park Commissioners and the syndicate was reached at a meeting at the former's office at Niagara on Saturday. Before separating the Commissioners were shown over the scene of operations, and the points where canals or buildings will be constructed were carefully marked.

SOME PRODUCTS OF COAL TAR.

"Coal tar, a by-product in the manufacture of ordinary coal gas, is a wonderfully complex substance," writes Dr. David Paterson in Good Words. "No less than sixty different substances have been discovered in it, and more are being discovered every year."

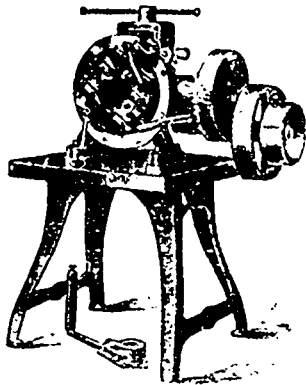
"One of the most interesting of these is benzene—a clear mobile liquid discovered in gas oils by Michael Faraday in 1825. It is

used in enormous quantities for the production of aniline, and also of a powerful perfume known as 'artificial oil of bitter almonds,' or 'essence of mirbane.' No less than 150 tons of this perfume are used in scenting soaps and other toilet requisites. Benzene has the useful property of dissolving fats, resins and India rubber, and is therefore of much value in the cleansing of goods by the 'dry-cleaning' method, and also in the forming of 'India-rubber solution,' so well known to lovers of the cycle and the football.

"In 1820 naphthalene was discovered in tar by Garden. This is a substance from which we derive some of our most beautiful colors, ranging from a buttercup yellow on the one hand to reds, pinks, greens and scarlets. To entomologists this naphthalene is of interest, as it is now considered the best preservative for cases of moths, butterflies, insects and other natural-history specimens.

"In 1832 anthracene was discovered by Dumas. It is now of immense importance, as it forms the base from which that beautiful and well known color Turkey red is now obtained. From time immemorial this valuable dye has been derived from the roots of the

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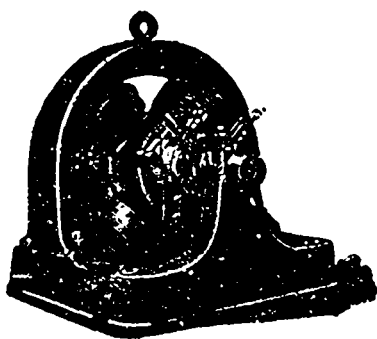
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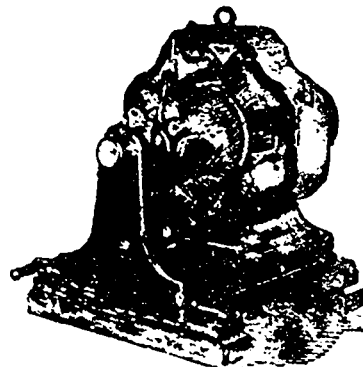
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