

GREAT FALLS POWER

Development of the Catawba River Being Harassed by the Southern Power Company and Made to Furnish Thousands of Electrical Horse Powers—What Has Done to AD in the Work—A Description of the Plant in Detail and the Plans for the Future—Operations to Be Begun in January—The Plans for the Future—A Description of the Plant in Detail and the Plans for the Future—Operations to Be Begun in January—The Plans for the Future—

One cannot conceive of the immensity of the development of the Southern Power Company at Great Falls, N. C., until the scene has been visited and the thousands of feet of work explained. To the casual spectator who may perchance pass by the first impression is that of confusion, lack of order and general disarrangement of parts. It looks as if there was no plan being followed but that the several works, scattered along the river for a distance of more than a mile, were nothing more than the play house of a Cypriote boy. The incongruity of the scene is striking. Out there in a wilderness, away from any city, town or village, hundreds of men are working as if for dear life, building an immense wall. The wall is really a dam, but there is nothing to indicate the construction of water visible. One unconsciously asks the question, "What does all this mean anyhow?"

It is but necessary to watch the progress of the work for a short time to learn that there is system and order in everything that is done. One general scheme has been planned, in the completion of which all the parts will figure. The immense amount of work to be done is so vast, that it must needs be done in parts, all of which are directed to one common end, namely, the construction of one of the largest hydro-electric plants in America.

THE CATAWBA GREAT FALLS.

The Great Falls of the Catawba are a series of rapids which are situated 59 miles below Charlotte and midway between Chester, Winnsboro, Camden and Lancaster, thriving South Carolina mill towns. The river falls 175 feet in 7 miles, affording three fine sites for hydro-electric development. When work was ready to begin, surveys were made of the rapids, and it was found that by building a dam out into the stream at the middle of the rapids, the current might be turned into the bed of a natural canal and thus the development greatly facilitated. Six thousand feet below nature had placed two large hills on either side of the canal and it was evident that the main dam could be thrown across there at a relatively small cost. Work was commenced in the spring of 1905 and to-day the dam and headgates to the canal are more than two-thirds completed, the greater part of the bulkhead-wall and power house is finished, the draught tubes and water wheel casings are nearly all set, and the transformer house is well under way. A railway line, capable of handling the heaviest cars, has been run from Fort Lawn to the Falls, a distance of 12 miles, and the river on either side has been cleared of trees and undergrowth. At times several thousand men have been employed and the amount of work accomplished has been nothing short of wonderful. The plant will be in operation the first of January, or very shortly thereafter.

The first glimpse that one has of the work of the Southern Power Company is at Fort Lawn. Besides the railroad which runs due south a distance of 12 miles, there are to be seen stretching north and south a double line of tall steel towers. On these steel towers will be placed the heavy copper wires for the transmission of the current from Great Falls to the Catawba station, 34 miles away, from which the current is distributed to Charlotte, Gastonia, Rock Hill and other mill centers. The journey from Fort Lawn to the Great Falls through a section of broken country, a large part of which is the property of the Southern Power Company. Here and there along the route one can see the river at intervals falling and tumbling over shoals and throwing the spray high in the air. The effect of the sunlight on the water is surprisingly beautiful, the green hills forming a magnificent background. Here and there the sides of the hills have been burrowed into and huge rocks have been extracted for use in the construction of the dams below. About 19 miles from Fort Lawn, and midway of the rapids, the track suddenly jurches over to the river's side and a fine view of the first dam and headgates may be had. The river, which had divided several hundred yards above, turns a sharp corner with a considerable fall.

THE NEW LIMITS OUTLINED.

Well-known Charlotte Citizen Suggests What the Extended Limits Should Be—A Zig-Zagger. Certain Charlotte citizens are wasting much time in discussing just what the extended city limits will be. The public generally has come to the conclusion that the city boundaries will be enlarged, but there is considerable difference of opinion as to the new territory to be taken in.

WHAT NATURE HAS DONE.

Nature, in digging a canal from this turn of the river to Rocky creek, a tributary stream of the Catawba, 7,000 feet below, contributed a little part in the work of harnessing the river. It was only necessary for those in charge to blast and excavate a little and then throw a dam across the current and so turn all of the water into the new channel. In this dam headgates have been built so as to regulate the flow of the river into the new course. In times of high water, it will only be necessary to shut down the gates and the water will continue in the old channel. This dam is composed of rock and concrete mixed. It has been strong enough to resist any pressure which may be brought against it.

The main dam is located a little more than a mile below. The material used in the construction there is the same as that above. The dam is a little more than half finished. Hundreds of men, in squads, are hard at work every day. Railway tracks run in every direction and every labor saving device is being used to facilitate the construction. A half dozen immense cranes are in constant operation on the dam, lifting and placing in position the rock and cement. Engines are puffing, workmen are shouting, wheels are squeaking and whistles blowing incessantly. Men like pygmies appear here and there about the works. The scene is one of tireless activity.

THE MACHINERY EQUIPMENT.

The main dam will furnish a fall of 72 feet. The power house will be located just in the rear. In this building will be eight 3,000-kilowatt, three-phase, 2,300-volt Westinghouse generators, direct connected to six horizontal turbines of the Escher-Wyss pattern and two Hercules turbines. The water after having been used will pass out under the power house, down the canal to Rocky creek and on back into the river. Besides this development, which is now nearing completion there are two other sites which are as yet undeveloped. These will be taken up and used later.

The cornerstones of the power house were laid Friday, the dedication and invocation being said by Miss Mary Duke, of Durham. Among those who were present to witness the ceremony were Mr. J. B. Duke, of New York; Mr. and Mrs. B. N. Duke, and daughter, Miss Mary Duke, of Durham; Dr. and Mrs. W. Gil Wylie, and daughter, of New York, and others.

THE BOY BRIGADE CLASS.

The Boy Brigade class of Tryon Street Methodist Sunday school met at the home of their teacher, Mrs. W. S. Stewart, Friday afternoon, this being the time for their regular quarterly meeting and election of officers. New officers were elected as follows: President, Jimmie Watkins; vice president, Eastham Ware; recording secretary, Creasy Overcash; treasurer, Adair Simmons, and the lookout committee, Bobb Tamm and Larry Reid, after a pleasant social hour the meeting adjourned.

FOR AN IMPAIRED APPETITE.

To improve the appetite and strengthen the digestion try a few doses of Chamberlain's Stomach and Liver Tablets. Mr. J. M. Seitz, of Detroit, Mich., says: "I received my appetite when impaired, relieved me of a bloated feeling and caused a pleasant and satisfactory movement of the bowels." Price, 50 cents. Sample free. R. H. Jordan & Co.

BLOOD POISONING.

results from chronic constipation, which is quickly cured by Dr. King's New Life Pills. They remove all poison germs from the system and infuse new life and vigor, cure sour stomach, nausea, headache, dizziness and colic, without griping or discomfort. See Guaranteed by R. H. Jordan & Co., druggists.

MRS. JOE PERSON'S REMEDY

of indigestion, with its train of kindred evils?

Mrs. Joe Person's Remedy will cure you. Why suffer longer? After you have exhausted time, patience and money on quacks, try this King of Curative Agencies.

AN ELOQUENT TESTIMONIAL

The following letter is more eloquent in praise of the Artistic Stieff Pianos than any testimonial Mr. Clewell or ourselves could write.

Rev. Mr. Clewell is the head of Salem Academy and College, Winston-Salem, N. C., and shows the high esteem and confidence in which the firm of Chas. M. Stieff is held by one of the best known educators in the South. Winston-Salem, N. C., Sept. 29, 1906.

Purity Cotton Felt Mattresses

The beautiful and artistic creations of the Southern Cotton Oil Company of this city will be used exclusively in the new

HOTEL SELWYN

On yesterday the contract (which was vigorously fought for by many big out of town concerns of national reputation) was placed with the Charlotte Factory for 130 of these matchless mattresses. They will be the handsomest and most artistic productions possible.

Beauty will be combined with strength, comfort and perfect workmanship, and future guests of the big, fine, new hotel are guaranteed restfulness absolute—as fine as any in the and will be sleep beguiling, comfort giving, snowy, luxurious, downy beds of the SELWYN.

We carry all the time a complete assortment of these handsome

Purity Cotton Felt Mattresses

We guarantee them to be absolutely beyond criticism, beyond compare—absolutely perfect.

Uncle Sam has just bought ten thousand for his soldier boys—enough said.

Parker-Gardner Co.

FOR IMMEDIATE SERVICE.

Come and examine our stock of Clothes, made by the world's famous clothing houses. They are ready to wear and the fit is guaranteed to be equal to any tailor make, and the cloth came from the best woolen mills of the land.

Nottingham Lace Curtains . . . \$1.00 to \$5.00 per pair.
Renaissance Lace Curtains . . . \$4.00 to \$15.00 per pair.
Irish Point Lace Curtains . . . \$2.50 to \$10.00 per pair.
Cluny Lace Curtains . . . \$6.75 to \$12.50 per pair.

We also carry a large assortment of fine Renaissance, Cluny and Arabian Sample Curtains, from which you can get selection for fine Curtains. Prices range from . . . \$12.50 to \$30.00.

ED. MELLON COMPANY, LEADING CLOTHIERS

A Suit That's Different

We are now ready to show our patrons the finest line of Men's Suits we have ever had, the privilege of offering our trade. The man who wants a Fall Suit that's different from the cut-and-dried styles that greet him at every turn, will do well to come here and see what we have to offer.

Our Suits Are Different

The fabrics are exclusive, and you'll not meet a dozen men dressed in the same style of suit. If you want to get away from the common sort of ready-to-wear Suits, come here for yours. Suits . . . \$10.00 to \$80.00.

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Charcoal Kills Bad Breath.

Bad Odor of Indigestion, Smoking, Drinking or Eating Can be Instantly Stopped.

Sample Package Mailed Free. Other people notice your bad breath where you would not notice it at all. It is nauseating to other people to stand before them a whiff or two of your bad breath. . . .

"SONGS MERRY AND SAD."

By John Charles McNeill. Stone & Barringer Co., Publishers, Charlotte, N. C. \$1 net; by mail \$1.06.

AN OPENING LACE CURTAIN SALE.

We are offering to the trade one of the largest assortments of fine Lace Curtains ever shown in Charlotte. In our stock you will find the latest styles in Nottingham, Renaissance, Irish Point and Cluny Curtains.

Inviting you to look our line over, we assure you that you will see only the newest designs and the very best grades of Lace Curtains. The visit will be worth your while.

W. T. McCOY, South Tryon Street.



Overcoat Season

is here. You'll need one real soon. Why not make your selection while our stock is complete? We have a big line of the one fashion has pronounced correct. . . .

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Goods Sent on Approval Returnable at Our Expense.