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REMARKABLE INDUSTRY WHERE YADIN

With Natural Forces.

Bion H. Butler, in the News and Observer.

little journey that I have taken from

here is one that more nearly gets me thing else. off my feet than anything else I have kin river, but although I have been in of the job. gun-shot three or four times, it has

rows until this trip. It is worth the money.

It is worth the money as a natural what men are doing with the natural fairs of the world of production.

where the work is in progress and this part of the South. Nine square mation of a river that has few if any nosed around in the den of Cyclops, miles of the country will be submerg- parallels. and it was not hard to imagine that ed, the pool extending nearly ten somewhere among the giant rocks the miles up the valley, and widening out Titans might be encountered forging into ever natural hellow made by the and powerful.

The Wonderful Yadkin.

kin river which is crossed by a bridge course through the intensely hard volcanic crystalline schists that have resisted so successfully that while its

Aluminum Company Building Where | To operate the machinery that is of comprehension in their power. One Can Look From Mountain Tops building the dam wires have been Over Knobs and Hills and Let Im- strung from electric plants of the agination Riot Without Limit-A Southern Power Company, and a cur-Revelation of What Men Are Doing rent equivalent to 7,000 or 8,000 horse power is available in this job of build-

Stupendous Power.

river side in the bottom of the Nor- hills above the river with a wall of henceforth. forces of the State. The plans at which will cross the river at the dam, the surplus to escape it is to enter the Badin have already been outlined. The and a more interesting route of travel tunnels below where they are shut up enlarged schemes are now pushing air almost two hundred feet above the mountains below the Badin dam in up the stream will be the biggest ing forth either at the tail race, or times as much more, I dropped down into the gorge mountain landlocked body of water in at the foot of the tunnels, a transfor-

the year.

channel a few miles above is half a The road scheme is close to materi- fall, and when floods come after pe- marle. mile wide, at some points in the Nar- alization, for already much of the riods of low water the prospect will The introduction of aluminum in people." has held sway until men came to as- of the best in the State, and from nary floods. current slips aside into the tunnels distance from Troy to the river is not up to an unusual figure, and that the tor, and a strong wire. Being strong tion before the end of the year. again flow down the original stream. lotte are working on the job.

ery of North Carolina that has ever is counting on a short-circuit across been undertaken.

Moore county to Montgomery, and a hold the flood water against the day hold the flood water against the day A thing that caught me at Badin nessee. Across the valley the work of build- conection with the Charlotte road past of low water, but the dams on the was the fact that the big dam job is in Mr. Marshall declared that he was

that limit will be doubled. About 1, the Aluminum Company of America down the stream. This means a greatthat limit will be doubled. About 1, the Aluminum Company of Andrews down the stream. This means a great-bas resulted in the changing of plans. The new owners are anxious to make development farther down the nar-small railroads own, 50 big 50-ton small railroads own, 50 big 50-ton of the first things.

down the stream. This means a great-bas been doing several jobs of this the plans and the details and the deta flat cars and 75 of the smaller side- figured on. One of the first things owns another location capable of 50,- dollar jobs are not given out except quainted with large dealings. As soon done to make it a city of happy owns another location capable of 50,- dollar jobs are not given out except quainted with large dealings. As soon done to make it a city of happy dump flats, 45 steel derricks of 20- was to condemn the old power house owns another location capable of the smaller side of t tons capacity, with 115 foot masts and arrange for a new one. So a fine, shoals until Blewett's Falls is reachsons for getting them. The Hardaway will move in and remain close to the and 100 foot booms, an outfit suitable for Cyclops. Those derricks
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beautiful Blewett's Falls is reachbed, wh earth and set it down in the flat car, stitution just across the narrow river. so that about three or four swings of The old building was meant to shelthe derrick boom loads a car and it is ter units of some 11,000 horse power, the dam, hundreds of men are at work it shows the United States is coming western part of the State. with horizontal delivery. The new preparing the buildings for utilizing to be a nation of efficiency and ability Mr. Marshall said that these de- will work these plans into reality.

An Industrial Factor.

aluminum plant. It is to be simply the factor that provides the power and the heat. It is like the engine at It is useless to go into any detail done, and the dam finished, and the in the New York territory. The over at the river. Pennsylvania, ed line of this road, it is only a quest-Albemarle, Feb. 5.—Bad as I need of this thing, for it is of such magni- water wheels are turning, and the buildings put up for the French Com- Georgia, and North Carolina, one supmoney I would give my nickle that tude that figures do not express any- wheel generators are loading the pany are almost in condition to ope- plying the money and the knowledge pen. The people of Charlotte, Conhas a big hole in it if I could lead the thing. One comparison will be enough. wires with their enormous force, the rate, but at the same time an army of of the manufacthre of the metal, one cord, Mt. Pleasant, Salisbury, Albertalian of North Carolina over the condition of North Carolina over the ca population of North Carolina over a The idea is to generate 100,000 horse while purpose of this outfit it to suppower. At the last census 14 States ply the big factories back on the hill, the big factories, and enlarging the gigantic dam and power, and the third hurst want this road and they want Albemarle out to Badin, and down to of the Union reported the use of less The power plant and dam are in the the dam building there by the Hard- than that total of power for the en- gorges of the narrows. The town of is the number that the wise men say for the first and second to combine wonder, when one stops to think that away Construction Company for the tire State. The vast scope of terri- Badin is back from the river, and high will be employed, although not much and all profit by the generosity of this road will be the connecting link Aluminum Company of America, and tory comprising Nebraska, Wyoming, above the water line that will be esover the hills from which a view may Idaho, and Utah used just about as tablished after the tunnels are close! plant, as the management that is to It makes a man feel pretty good to way from the seacoast to the mounbe had of the panorama which the much power as this one big plant will and the head is raised when the dam handle the factorw has not as yet ar- stand on the mountain top above a tains. But, the latest and best news mountain tops disclose. A man can develop. There are several right pre- is built, and the power houses are stand on the top of one of the high tentious industries in the United completed and the Allis-Chambers Real estate dealers are swarming while Europe is divided in a war in for committees and all interested citknobs out there above the river and States that do not use so much pow-wheels and generators are installed, at Badin and in the neighborhood, which killing each other is the main izens all along the proposed line to let his imagination riot without limit, er for the entire industry. All the the upper end of the tunnels will be much is doing in their line. The object, America is united in subduing be held in Albemarle on March 9, when the matter will be taken as in the control of the tunnels will be taken as in the con and the chances are he will never tobacco factories in the country could blocked up with rock and cement, and prospects are that a revolution in the mighty forces of nature and in when the matter will be taken up in reach the real outer fringe of the posbe run by the Badin dam, and enough the gorge from the dam up will give prices is ahead. Town lot schemes working for the immediate welfare of earnest. The commissioners of Stanpower left over to run all the facto- way to a lake that will drown out the are in evidence, and employing a lot the whole continent and the whole hu- ly, Cabarrus and Montgomery countries to the continent and the whole hu-I have seen a lot of the big things ries making men's and women's cloththat men have done, and a lot of the ing. Badin could run all the agricul- With the dam drawn down below the ing work for a lote of people. Badin An American has a right to get of boosters will be here to push the ambitious plans that have been pro- tural implement factories in the Uni- spillway by the requirements of the industrially is already very much chesty sometimes. jected, and a lot of the famous industrial developments of our country, but factories and leave power for some- night or on Sundays it will be possible to cut out for a period the flow means. It is one of the big sources of That's the Badin dam. The Harda- of water in the Yadkin It ceases to be power in this big country, and the ever tried to cipher out. For a dozen way Construction Company will get a river under certain conditions. A power is wholly for this one industry. Salisbury Post, Feb. 1st. years or so I have been figuring on a three million for building it. That is river comes into the lake. A river I am told by semi-official authority Stuart B. Marshall, the manager of trip through the Narrows of the Yad-unother way to get an idea of the size will go out from the power house that the power development at Badin the Badin properties for the Alumi-Rising 170 feet from the surface of wheel pits. But a link of eight or will ultimately use. But there is a isbury visitor this morning. Mr.

masonry a quarter of a mile long. The surplus water is not to run of aluminum commenced in 1883, in Badin. which will be topped by a driveway away over the dam. At a certain ele-

Drains 4,000 Square Miles.

The Yadkin dam is going to have thunderbolts, or anything enormous streams that enter the river. A ten- salutary influence on the water flow times as much. Climbing in good ditions of living for those who work mile lake, reaching almost to the of the stream below. The drainage earnest. Six years later it had dou- with the company. mountain tops, commanding a view of area of the dam is about 4,000 square bled again, and three years later it To this Mrs. Marshall will give It is hard to realize that the Yadthe country for miles in all directions miles, or about 400 times the area of doubled again, now reaching a promuch attention and only the most Correspondent. and convenient to every portion of the pond at the dam. As the water duction of almost 15,000,000 pounds, sanitary methods will be employed. The question of a highway from Whitney, is pressed into such small travel from every quarter, should tendency to draw the head down the doubled one more, and in 1912 it had be fostered.

3,500 to 5,000 Employees.

plant will have four vertical units of the power when it is ready. That will in every quarter. Then it was left FROM THE MOUN-25,000 horse power each, delivering not be until the last of the year. In for Northern contractors to do all the water from gigantic pen-stocks in the meanwhile it is proposed to use big things as if there were a country pany's plants, for it is the intention can prove up competency in any dito begin the manufacture of alumi- rection, it is permissible to insist that This dam on the Yadkin is not the num within the next few weeks. It we have both feet firmly on the is said that the work to be undertaken ground. will be the production of the metal in the pig, which will be sent to New

We have seen what the big dam BADIN WILL BE A WHITE half times, while another two years its work.

Aluminum Production.

boosted that figure to three

A Good Combination,

the cotton mill, or the wheel at the Kensington, near Pittsburg, for fur- If you think about it a minute you tion and see the great advantage of water mill. After all the work is ther manufacture, and to Edgewood, will be gratified at the combination it as the people all along the propos-

job like this one and realize that is that a meeting has been arranged

when the water runs through the is not a fourth of what this concern num Company of America, was a Salnever been possible to get down to the the water the dam will connect the ten miles will be cut out of the Yadkin what it all means. The manufacture ties and left on a later train for citizens of their good county are also

ple and assure the most excellent con-

ing the big dam has been taken up Badin. From all directions eyes are river below will be to considerable exagain. In two or three weeks the turned this way, the ambition to be tent guarded from the extremes that that is of the South. The Hardaway He said there would be much activities the turned this way, the ambition to be tent guarded from the extremes that that is of the South. The Hardaway He said there would be much activities to the said the said there would be much activities to the said the construction company will be moving on the picturesque road being com-30,000 yards of rock and earth a mon.

That it is a thoroughly competent he would be a very busy man and at mean a more uniform flow at this dam will mean a more uniform flow at all points.

The purchase of the Badin plant by mean a more uniform flow at all points company is shown by two tests. It this time could not say much about the Aluminum Company of America.

TAINS TO THE SEA

torrents that will be outside the range power from the Southern Power Com- with but one good leg. Now that we Charlotte-Pinehurst Road, Serving as Connecting Link Between Good Eastern and Western Roads-Meeting to Be Held Here March 9.

The Charlotte-Pinehurst road will be built. When a people become so thoroughly aroused over a proposiin the State's most important highties will be on hand and a large crowd thing to some practical conclusion so that work may be started at once. Now, let every one talk the road and AND A SANITARY TOWN be here March 9. The Montgomery county people are red-hot for the road. Messrs. R. T. Pool, a leading Montgomery county attorney, and Ed-Albemarle on Tuesday. They are enthusiastic and they report that the red-hot over the proposition. They which year the amount produced was While in the city Mr. Marshall was tell us Albemarle people that Mont-18 feet wide. It is the intention of the vation shafts have been cut down to 83 pounds. Three years later the the center of a group of gentlemen gomery county means to have a good bit of scenery, or as a revelation of people of North Carolina to build a the tunnels, and when the water gets quantity had increased to 3,000 interested in the large developments road to Badin at whatever cost. The road from Wilmington to Charlotte so high that it is desired to permit pounds, being still wholly experimendown the river. He talked to a rep. people of Salisbury are anxious for a tal. In 1887 it had increased to 18,- resentative of the Post, and while he road connecting that good town with 000 pounds, six times as much, but could not give any details of the Albemarle and Badin. This will put Aluminum Company of America has will not be found in America. Ap- and to flow away into the river at the taken the holdings and the develop- proaching the dam from either side lower end of the tunnels. Henceforth lished industry. Three years more his company, he gave a few of the ment of the French predecessors, and the tourist will find himself in the the Yadkin will emerge from the saw it increased almost three and a large outlines of the company and way, and will also give Albemarle two outlets to the National Highway along to make this one of the big af- valley below him. Stretching away the form of a gigantic spring, break- saw that increase multiplied to four Mr. Marshall said that there would passing Salisbury. Mt. Pleasant is rebe built at the site of the company's ported to be anxious and Concord, properties at Badin a model town, It also. Therefore, Albemarle will soon is his intention, and that of the com- be situated on one of the most im-By 1896 aluminum had established pany he represents, to build at Badin portant highways of the State. Genitself with an annual production of a clean, white and sanitary town, one tlemen, is it worth while? Let's not far above a million pounds. The next that will appeal to the very best peo- allow the opoprtunity to pass without taking advantage of it.-Contributed.

That Road to Southern Pines.

the State by a modern road fit for used at the dam will have a constant Three years more and the production and the most healthy conditions will Charlotte to Southern Pines by way of Albemarle and Badin is taking on make the Badin highway one of the pond will act as a reservoir for the almost doubled again, the total pro- "We will build a hospital and have a more tangible form, and so enthuscompass that in the gorge it is commost popular south of the Potomac.

The results of Albamenta are talking and the people of Stanly and the peo pletely blocked up by a coffer dam of concrete and its entire water content. The people of Albemarle are talking discharged into the river, if discharged into the river and brought. In 1913 it climbed again to 72,379,000. Marshall. For while we do not exconcrete and its entire water content compelled to turn aside and burrow of securing the club house at Whit. discharged into the river and brought I do not have the figures since the pect much sickness, there will be others along the route for this road. compelled to turn aside and burrow new, which stands on the summit down immediately, would fill only 35 but it is no doubt still heading upsome, and it is our intention to take that it is safe to predict that within under the mountain in two restricted above the Whitney dam, and under-tunnels before the water can continue above the Whitney dam, and under-taking to make of that mountain top the season and the same commenced in earnest, towards the on its seaward journey. For millions of years I would guess this old river a summer and winter resort, a project, drained is about 50 inches, or an inch of years I would guess this old river a week. The dam can permit the limited and the store of the highway. of years I would guess this old river has been diligently cutting a rocky has been diligently cutting a rocky a which, if carried out, should fill this power plant to figure on something rocky a week. The dam can permit the seems now only to have commenced. Figure on something rocky a week. The dam can permit the seems now only to have commenced. section with visitors at all seasons of power plant to figure on something That being the case we can see how while we will not have anything to a short while, of the county commislike an average supply of water, be- it is actually starting something out do with the management of the store, sioners of Stanly and Montgomery cause it is so big it can store flood in the north end of Stanly county, and we want it operated to the best interwater against the day of scant rain- incidentally in this town of Albe- est of the community-so that it leading men of the two counties, for will serve the wants and needs of the the purpose of taking the matter up rows it is barely sixty feet. Through stretch between Wilmington and the be that the water in the pool is low many new lines promises to make it Mr. Marshall stated that he conclusion as to where the road will that refractory rock the river has dam is built. From Fayetteville to enough to store a large proportion of forge ahead in production as fast in thought the company would be makworked its course, and undisputed it West End the Capital highway is one the water that comes down in ordiuses are for electric wires, in which present year. Not on a large scale Marshall, general superintendent of sert an intelligent authority. Then West End to Troy the road is in fairThe result will be that such a vast it has the advantage of being the perhaps, but he gave it as his opinion the works at Badin, that the report as docile as a kitten, this powerful ly good shape most of the way. The lake will bring the average of power lightest wires known, a good conducthat the company would be in opera-which has gone out as to the crosscut for it, a coffer dam is thrown great. From the river to Albemarle, frequent floods will be modified to a it can be depended on for suspended The Aluminum Company of American Ing on top of the big dam is thrown great. Mr. Marshall says this will be across the narrow channel, and no Stanly county has already built a flow of water more nearly uniform wires, and being light a lot of wires ica is one of the largest business conimpossible, but that company will man has an idea when water will good road, and the counties to Charthe year round. The high water that do not overload the poles and towers cerns of the country. It owns large otherwise assist in setting a crossing comes from above will be held in the like iron and copper wires do. Alu- landed estates and a number of man- over the Yadkin. It would, there-When the Hardaway Construction Lexington is agitating the question dam until it is filled to the limit, and minum is also coming into use rapidly ufacturing plants and power proper- fore, seem that the only way of Company pulls out from the Yadkin of a road to Badin, and other counties all the nine miles of surface raised to for tubing, as it has several advantages properties of crossing the river with this highway they will leave behind one of the great are figuring on getting on the east the high point. That reserve supply ages for use in that respect. It is not the company's holdings is that in will be by the construction of a steel hydro-electric powers of the United and west line that will come from the will be turned loose day by day to poisonous like brass and lead, does Southwestern North Carolina, where bridge. There are many supporters States, and one of the most interest- coast to the foothills. The road from the capacity of the plant, and not only not corrode like iron, stands heat, is large power is being developed for of the road here, as well as in Monting additions to the picturesque scen- Raleigh, through Chatham and Lee will the Badin power supply be regplants across the State line in Ten- will have to be built at Swift Island Ferry and go by way of Mt. Gilead.

contracts run about \$5,000,000. The properties in North Carolina, this in- in mind and in the manager it has a On the hill at Badin, high above reason this interested me is because cludes the large holdings in the man who grasps the significance of the situation and with a clear vision