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MS 76 Box 15 Notebook 19 - System of locks and dams on the Guyandotte River. Sunday March 12,1922, by Paul Walker Long. (See article following)

Fred Bussey Lambert

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Recommended Citation

Lambert, Fred Bussey, "MS 76 Box 15 Notebook 19 - System of locks and dams on the Guyandotte River. Sunday March 12,1922, by Paul Walker Long. (See article following)" (2020). *0236: Fred B. Lambert Papers, 1809-1964*.

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MS 76
BX 15
NBK 19

System of Locks and Dams
on the Guyandotte River
Sunday March 12, 1922,
by Paul Walker Long

(see article following)

MS 76
BX 15
NBK 19

System of Locks and Dams Built by Concern to Float First Fuel to Market

By Paul Walker Long.

OPERATIONS in one of the greatest bituminous coal fields of the world date back to 1840.

The Guyanotte Navigation Co., was incorporated November 3, 1840. Its purpose was to transport the Guyanotte Valley coals and to transport this coal by boat to the water front.

The first owners of the company were Peter Clark, an Englishman; John J. Lawrence, Henry McFarland, Benjamin H. Hines, Henry C. Colford, James Dent, and George M. Stanforth.

Clark obtained title to 250,000 acres of land extending from Salt Lick to the mouth of the Guyanotte river and the remaining 250,000 acres was owned by the British. The land was located in Cabell, Morgan and Logan counties.

Clark was an Englishman by birth. He saw the vast possibilities of the Guyanotte basin. He succeeded in interesting the above named incorporators in his enterprise. All the capital invested in the company was from New York.

Build System of Locks

Shortly after the company was incorporated the erection of a lock and dam system along the Guyanotte river was begun. Eight locks and dams were built extending over a thirty mile stretch of the river. The first was located near the mouth of the river and was situated on the opposite side of the river from the second lock. The second was located near the town of Harboursville, which was a mere village at that time.

A third lock was located at Loxley, a dam, a place which is known to everyone who travels the Guyanotte river. The fourth was just below the mouth of Smith creek and the fifth was located at the point where the bridge at Salt Lick crosses the river to the Salt Lick bridge. Some of the locks were built by the Guyanotte Navigation company, but some were built by the State of Kentucky.

The Mine Operated

In 1841 the locking and damming of the Guyanotte river was a stupendous undertaking. The men behind the newly incorporated company feared nothing. The track was completed and operations at Four Mile were started.

Only one mine was operated by the company. A shaft was dug through the mountain at Four Mile. This shaft still remains. It is approximately three quarters of a mile in length. Considerable coal was mined from the shaft. It was taken out by the "undercutting" and "siding" methods. The miners would pick out the earth underneath the coal on the side of it. Large trees and then the mass above would fall down or be torn out by hand work. Most of the mining in those days was done by pick and hand work. On rare occasions a small charge of dynamite was used. This method is contrasted with the one used today. Explosives are used almost universally in the mining of coal in the Logan fields today. Holes for the charges of explosives are drilled by machines and the entire mass is blasted from the vein without removing any part of the coal before the blast.

"Lighters" Used

These barges were about twenty five feet in width and about sixty feet long. They had a drawing capacity of three feet under water. Their total load was approximately 50 to 60 tons, which is the average capacity of a railroad gondola of today. These barges, which are called lighters today, in no way compare with the barges used for transportation of coal on the Ohio river today.

Following the loading at the Four Mile tipple the barges were floated down the river through the eight locks to the mouth of the Guyan. In the Ohio they were made into fleets where larger tow boats took them down the Ohio to Cincinnati, Louisville and other southern markets.

Empty barges were towed back up the Guyan to the tipple at Four Mile by small steamboats.

The barges and steamboats which operated on the Guyan in those days were built from wood. The water during the summer months is exceedingly low; the river is not wide except at some points; and the locks were small. These things restricted the small barges and small steamboats.

Operations of the Guyanotte Navis

tion company were successful from the beginning. Much coal was mined and it brought good prices at the southern markets. The company was prosperous and business was good. It looked as if a real enterprise had been started.

Then came the Civil war. Operations of the company slackened. Later it was necessary for the company to abandon all work. Most of the mining done on this coast for the Civil war, from the point along the Guyanotte river and on the territory which was held by the Guyanotte Navigation company. The company which would have continued as a mining enterprise was lost in the wake of the war which threatened to tear the nation into two almost. Governments of the war failed in its purpose and so did the company.

So further attempt was made to open the vast bituminous coal fields of Kentucky and Logan counties until 1900 when the Guyan Valley railroad was built by Huntington capital. It was completed by March, 1901 and was built to Logan and other points in that county immediately following.

Mined Real Field

The Guyanotte Navigation company never mined the real coal fields of West Virginia's greatest coal fields. It held title to the northern end of the field. The coal in this section is considered inferior to the coal in the Logan field. The field to the south of the land held by the Guyanotte Navigation company remained unmined and undeveloped until the present day.

In 1912 the Huntington Development and Gas company organized by Huntington took over the Logan river and the Logan field held by the Guyanotte Navigation company. This company, which has since been reorganized, has since operated the territory for coal and gas.

During the last few years the Logan field has produced approximately 11,000,000 tons of coal. A heavy thousand cars of coal are shipped from the mines in this county. There are more than 100 companies operating in Logan county.

Advantages of railroad transportation have not been the only reason of the Logan field's success. The coal in the Logan field was a great asset to the Guyanotte river. Within the past few years the output of the Logan fields will surpass the Logan production. The Chesapeake & Ohio railroad from the double tracking of their line to Logan several years ago.

A major portion of the work already has been completed. The Chesapeake & Ohio double tracked from Harboursville to West Hamlin and from Big Creek to Logan. Construction work is continuing on the double tracking. When this is completed the Logan fields will come to their full glory.

Pioneers of coal operations in the fields along the Guyanotte river for a great many centuries. They even accomplished some great things by the methods which were in vogue in the middle of the nineteenth century but they never dreamed of the things which are happening in these fields today and which will come to pass tomorrow.

HIS MISTAKE

A young and nervous candidate for the navy was being examined by a board of admirals, and in the course of a test of his general knowledge he was asked this question: "What kind of animals eat grass?"

The youth pondered long over the question. "Surely you know the answer to a simple question like that, what kind of animals eat grass?" the admiral repeated. Then a flash of understanding illumined the lad's face.

"Oh, animals, sir. I thought you said admirals," he replied, in a tone of relief.

THE ONLY WAY

Father decided to give his son a lecture on expensive habits. "Since you've been up at Oxford," he said, "you've spent for too much. You must give up this luxurious life. Besides, I'm not made of money. And I have to work really hard to pay for your failures. I get up at half past six, and I never come home from the city till dinner time. Even with all that I can't afford your extravagant ways."

"There's only one way out, dad," said the young undergraduate. "I'm afraid you'll have to work late at night."

DISAPPOINTMENT

"How's the new office building going?" he asked Benjamin.

"Better," was the reply. "When I first took it up on the first floor, you know, there was an oil and color shop below. But the very day I paid the fire insurance premium the oilman moved out and the fire brigade took the ground floor for a station."

It took \$10 a month to have a telephone in a Japanese dwelling

Au

Las Vegas and other cities in Nevada are beginning to feel the effects of the State's new laws regarding the sale of liquor. The State has passed a law which prohibits the sale of liquor to anyone who is not a resident of the State. This law is expected to have a great effect on the liquor trade in Nevada.

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First Development of Logan Coal Fields Begun Over 75 Years

AN ADVERTISER TRAVEL AND PEDESTRIAN POLICY GIVES MAXIMUM PROTECTION THE ADVERTISER, Huntington, W. Va.

HUNTINGTON, WEST VIRGINIA SATURDAY MORNING, MARCH 11, 1922

ARMONT FIELD SETS WAGE PARLEY

WORLD WAR HERO KILLS MOTHER OF CHILD-WIFE AFTER ARGUMENT, CHARGE

Mrs. Mary Hickman Slain in Barnabus, W. Va., After Introducing Daughter to Spend Time Away from Husband

LOGAN AUTHORITIES ARE HOLDING MASON JACKSON

Wife of Veteran Notified of Killing as She Steps Off the Train at Chesapeake & Ohio Depot Here Last Night

After all the months in the federal penitentiary at Leavenworth, Mo., where he was serving a life term for the murder of a woman, Mason Jackson was notified last night that his wife had been killed in a barn in West Virginia. The news came to him as he stepped off the train at the Chesapeake & Ohio depot here last night. Jackson, a veteran of the World War, was serving a life term for the murder of a woman named Mary Hickman. The killing occurred in a barn in Barnabus, West Virginia, on the night of March 10. Jackson was notified of the killing by a letter from the local sheriff, who had been informed by the local police in Barnabus. Jackson was immediately notified of the killing by a letter from the local sheriff, who had been informed by the local police in Barnabus. Jackson was immediately notified of the killing by a letter from the local sheriff, who had been informed by the local police in Barnabus.

VERNATTER ON STAND REPEATS HIS STORY OF SALT ROCK CRIME

Youth, After Entering Plea of Guilty to Indictment Charging Him With Murder, Avers Killing of 'Uncle Galley' Bias Was Planned by Another

(By CHARLES E. FRAMPTON)

Before the largest crowd in the criminal history of Cabell county, which tested the capacity of the courtroom, today in a hearing, conducted by the grand jury, Vernatter repeated his story of the crime. He stated that he was not the one who killed 'Uncle Galley' Bias, but that the killing was planned by another person. Vernatter, a young man, had been indicted for the murder of Bias. He had entered a plea of guilty to the indictment. Vernatter stated that he was not the one who killed Bias, but that the killing was planned by another person. Vernatter stated that he was not the one who killed Bias, but that the killing was planned by another person. Vernatter stated that he was not the one who killed Bias, but that the killing was planned by another person.

PITTSBURGH MINE UNIONS ARE READY TO ENTER PARLEY

Chances of Wage Conference for Central Competitive Field Appear Remote as No Change in Attitude of Operators Is Made Known to Government

INDIANAPOLIS, March 10.—The strike vote of soft coal miners was completed tonight by local unions scattered throughout the country and thought the exact returns will not be known for a week or more, officials of the United Mine Workers of America here today revealed that the

MUST LOOK TO PRESS FOR NEWS OF DEVELOPMENTS

District Executive Board Will Hold Early Meeting to Make Union Statement

ALCOHOL BATTLE IN SENATE

Washington, March 10.—A new amendment to the prohibition bill was introduced in the Senate today. The amendment would allow the sale of alcohol for medicinal purposes. The bill is being debated in the Senate. The amendment would allow the sale of alcohol for medicinal purposes. The bill is being debated in the Senate. The amendment would allow the sale of alcohol for medicinal purposes. The bill is being debated in the Senate.

STRIKE VOTE WILL SHOW NINE TENTHS OF MINERS FAVOR WALKOUT, SAID

Chances of Wage Conference for Central Competitive Field Appear Remote as No Change in Attitude of Operators Is Made Known to Government

INDIANAPOLIS, March 10.—The strike vote of soft coal miners was completed tonight by local unions scattered throughout the country and thought the exact returns will not be known for a week or more, officials of the United Mine Workers of America here today revealed that the

NO OTHER SPEAK HERE

T. Harding to Come 'Orant Day' Ex-April Twenty-Fifth

HARDING CRUISING AND GOLFING IN FLORIDA

WASHINGTON, March 10.—President Harding is spending the day in Florida. He is cruising and golfing. The president is enjoying his vacation in Florida. He is spending the day in Florida. He is cruising and golfing. The president is enjoying his vacation in Florida. He is spending the day in Florida. He is cruising and golfing. The president is enjoying his vacation in Florida.

TREATY'S FOES CHARGE SECRECY

WASHINGTON, March 10.—Treaty opponents are charging that the government is being secretive about the details of the new treaty. They claim that the government is not being open about the terms of the treaty. Treaty opponents are charging that the government is being secretive about the details of the new treaty. They claim that the government is not being open about the terms of the treaty. Treaty opponents are charging that the government is being secretive about the details of the new treaty. They claim that the government is not being open about the terms of the treaty.

BUILDING THROUGHOUT COUNTRY SHOWS INCREASE

NEW YORK, March 10.—The value of building permits issued throughout the country shows a marked increase. This indicates a recovery in the construction industry. The value of building permits issued throughout the country shows a marked increase. This indicates a recovery in the construction industry. The value of building permits issued throughout the country shows a marked increase. This indicates a recovery in the construction industry.

MAGICIAN IS DEAD

LOS ANGELES, March 10.—A famous magician, known for his magical feats, has died. He was a well-known figure in the entertainment industry. A famous magician, known for his magical feats, has died. He was a well-known figure in the entertainment industry. A famous magician, known for his magical feats, has died. He was a well-known figure in the entertainment industry.

KEENEY ACCEPTS BID TO MEETING TO ADJUST WAGE

No Strings Are Placed on Invitation to Parley Held in Baltimore

DISTRICT IS FREE TO NEGOTIATE POINTED OUT

Jennings

619 Ninth Street

SMAR SPRIN STYLE

Suits, Coats,

DEATHS

MISS SUS REED

WOMAN

MISS SUS REED

FOR REPLY

FOR SALE—AUTOS

EASTERN STAR WILL INSTITUTE LODGE

Members of Huntington Chapter No. 10 of the Eastern Star will institute a new lodge. The lodge will be named in honor of a local hero. Members of Huntington Chapter No. 10 of the Eastern Star will institute a new lodge. The lodge will be named in honor of a local hero. Members of Huntington Chapter No. 10 of the Eastern Star will institute a new lodge. The lodge will be named in honor of a local hero.

CHARLESTON BUILDERS AWARD BIG CONTRACT

Members of the Charleston Building Association have awarded a large contract to a local contractor. The contract is for the construction of a new building. Members of the Charleston Building Association have awarded a large contract to a local contractor. The contract is for the construction of a new building. Members of the Charleston Building Association have awarded a large contract to a local contractor. The contract is for the construction of a new building.

FOR SALE—AUTOS

FOR SALE—AUTOS

FOR SALE—AUTOS

FOR SALE—AUTOS

"It's a Happy Habit" To Eat Jennings Ice Cream. It would be hard to find anything more delicious and appetizing than a plate of

Cont from page one

drove to Salt Rock and down the road to Martha, where I visited my brother. I did not tell him about the murder, but we heard about it that day, in a grocery store, at Martha. Wednesday, I went up Heath's Creek, to visit my brother-in-law. I spent the second night with him."

Questioned about as to the time of his departure, from home, on the morning after the killing, Vernatter said it was about 7:30, or 8⁰⁰ o'clock. Later, when asked when \$9⁰⁰ of the man's money, found at the Vernatter barn, the witness changed his story to say, that he had first gone down near Vass's house, ^{where he saw Vass} and got the money. He said Vass told him he got \$18⁰⁰, and gave him \$9⁰⁰.

Later, witnesses were produced and testified that they had seen Vass and Vernatter talking together that morning about 10 o'clock.

Some p gives the death of Sue Reel, niece of C A Reel.

Vernatter talking together that morning about 10 o'clock.

Portions of the evidence taken at the preliminary hearing were then read, purporting Vernatter as saying at his former hearing that Vass had given him the \$2 and told him he owed a lot and would give him some more later.

Vernatter said if he said that he "didn't remember it" and insisted that Vass had told him he got just \$18.

The next questions asked by Attorney Darnall intimated a turn of the defense not revealed before. Vernatter admitted being on Heaths creek after the murder and meeting a strange man who gave him a quart bottle with several drinks of moonshine in it. Vernatter denied paying the man for this whiskey and denied knowledge of several questions asked concerning the watch taken from the murdered man.

"Did you ever ask a man named Millard Jobe to help you kill Mr. Bias?" Attorney Darnall shot at the witness. "No sir, I never. But he asked me to help him kill Uncle Galley."

Then followed a number of questions concerned other proposed murders in the neighborhood, all of which Vernatter denied.

George Freeman Vernatter and Mrs. Mary Vernatter, parents of the confessed murderer, followed their son on the witness stand. They added practically nothing to evidence already submitted. Both swore that they did not hear young Vernatter leave the house the night of the murder.

J. H. DeJarnett, a resident of the neighborhood, testified he saw Vass and Young Vernatter engaged in conversation about 10 o'clock Monday morning. They seemed greatly interested in what they were saying he testified, but he was unable to hear what they were saying to each other.

He also told of examining the Vass house in company with others after Vass' arrest and finding there a drop of blood what he thought was on the floor, some in the road outside and one in the haulroad leading up the ravine on the route that Vernatter swore

Vass carried the body of the dead man.

George Carter, 1709 Ninth avenue, a nephew of the murdered man, told of examining Vass' house and finding of bloodstains on the floor, a spot on a pillow and a smear on a bed tick. Pieces of cloth cut from the bed and alleged to show blood stains were identified by him and submitted in evidence.

Linville Carter, nephew of the murdered man, corroborated the testimony of Mr. Carter.

Greer Morrison, testified along similar lines and identified some alleged blood stained dirt which he said he dug out of the road in front of Vass' house. It was placed in evidence.

Sam Davis, head of the Davis Detective Agency, whose investigation of the killing resulted in the arrest of Vass and Vernatter, related his story of the investigation. J. H. Parsons and Hansie Bias, great nephews of the murdered man, were next called. Young Bias told of an alleged conversation he had with Vass on the day of his great-uncle's funeral in which Vass is alleged to have threatened violence against people if they didn't quit talking and connecting him with the murder.

Vernatter was then recalled to the witness stand for a few brief questions, after which court adjourned until 2:30 o'clock this morning.

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