

# Ford Digs Two Mile Tunnel for A Billion Gallons of Water a Day

**N**EARLY a billion gallons of water a day—more than is used by the cities of Detroit, Philadelphia, Cincinnati and Washington combined—will be the capacity of a huge tunnel now nearing completion at the Rouge Plant of the Ford Motor Company, Dearborn, Michigan.

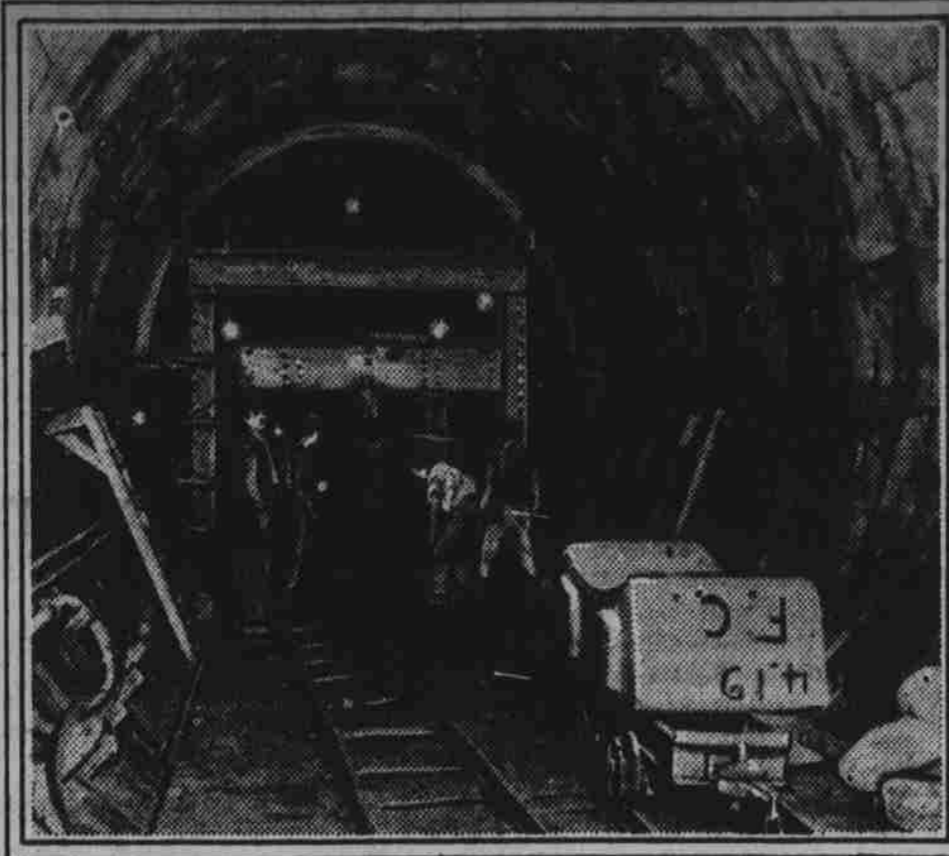
The tunnel will replace the present water intake system which supplies the Ford plants with 500,000,000 gallons a day. At the same time the company is remodeling its power house to greatly increase the power output. Both improvements, costing several million dollars, are being made to enlarge the production facilities of the Ford plant.

### Sixty Feet Under Ground

In constructing the waterway, the largest of its kind ever undertaken by a single business concern, the engineers are burrowing sixty feet under ground for a distance of two and a fifth miles. They have gone under main highways, railroads, street car tracks, bridges, a cemetery and a creek.

One of the most difficult tasks was that of tunneling under Baby Creek at a point which is crossed by a railroad bridge and where also a large sewer is under construction by the city of Detroit. The piles that provide the foundation for the bridge and those driven by the company constructing the sewer formed a network on each side of the creek. It was the task of the Ford engineers to burrow under the creek, sewer and bridge, going between the piles without striking or weakening them.

Boring of the tunnel is accomplished by means of a shield—a large steel cylinder fourteen feet long and twenty-



The head of one of the sections of the Ford tunnel showing the machinery used to burrow through the ground. In the foreground is one of the concrete blocks used to line the tunnel which has an inside diameter of fifteen feet.

one feet in outside diameter with a solid steel shell or skin two and a fourth inches thick. This shield has a bulkhead which is made fast near the front end. There are four openings through which the mud streams, like toothpaste from a tube, as the shield is shoved forward by twenty powerful hydraulic jacks.

When the shield has been pushed forward sufficiently concrete blocks two and a half feet wide and five feet long, each weighing 3,420 pounds, are

placed to form a ring around the circumference of the tunnel. One of them acts as a keystone so that the lining of concrete, which is eighteen inches thick, withstands the pressure of the earth. After this steel forms are set up and filled with concrete to form a solid inner lining which is also eighteen inches thick.

The present intake system of the Ford plant has a capacity of 500,000,000 gallons a day. The new tunnel will be able to carry 913,600,000 gallons.

### NOTICE OF SALE

North Carolina,  
Macon County.

Under and by virtue of the power of sale contained in a deed of trust given by Oscar Mason and wife, Delphia Mason, to the undersigned Trustee, dated September 24, 1928, and recorded in the office of Register of Deeds for Macon county in book No. 31, of Mortgages and Deeds of Trusts, page 103, and default having been made in the payment of the amount secured by said deed of trust and demand having been made upon the undersigned Trustee to sell the property described in said deed of trust, I will, on Tuesday, the 25th day of November, 1930, at 12 o'clock, noon, at the court house door in the Town of Franklin, North Carolina, sell, at public auction to the highest bidder for cash, to satisfy the amount secured

by said deed of trust, principal, interest and cost, the following described tract or parcel of land:

Being the same tract of land conveyed by Laura Bryson to Oscar Mason and wife, Delphia Mason, September 24, 1928, and registered in book R-4, at page 152, et seq., Register of Deeds' office of Macon county, North Carolina, reference to said records is hereby made for a more full and complete description of said land.

This 24th day of October, 1930.  
ROBT. T. BRYSON, Trustee.  
4tN.20cR. B.

### A CIRCUS

(By Edwin Cunningham)  
I'd like to be an actor, crack jokes  
dance and sing,  
I'd like to join a circus and act in  
a sawdust ring,

I'd like to act among the lions and  
tigers, too  
And be the boss of all the jumping  
hangers.

Dive from a trapeze into a miniature  
lake

Act as a vo do, charm a big black  
snake,

Up in a big white top on a wire I  
would like to teeter

And then some times I think I'll be  
a big fire eater.

When the kettle has begun to boil,  
turn the fire down. A full flame  
cannot do more than make it boil and  
cook, and a small flame will do that.  
With the unnecessary fire there is  
danger of burning the food in the  
center or making it boil dry too  
quickly.

### STILES

Mr. Albert Burnette, who has been teaching at the Owenby school, had to quit his work on account of sickness. He is at home now. Miss Eva Smith is finishing the school.

Jack Frost made his first appearance in this section October 18. Mr. Fred Owenby left last week to hunt a job.

The revenue officers were scouring out the woods trying to find if some of the boys were employed or was it just talk, last week.

Mr. E. B. Byrd made a business trip to Franklin, Friday.

The farmers have been taking advantage of the pretty weather saving their crops.

Messrs. John Ferguson and Erve Drinon were in this section last week inquiring if all the voters had registered.

Mr. Frank Murray was in this section Wednesday looking after the interests of his party.

### MRS. SOLOMON SAYS:

Twin requisites of success are aspiration and perspiration.

### NOTICE OF SALE

North Carolina, Macon County.  
In the Superior Court

Before the Clerk.

W. R. Corpening and wife,  
Myrtle Corpening

vs

Bessie Blaine and husband,  
Philip Blaine, et al.

Under and by virtue of a decree entered in the above entitled proceeding appointing the undersigned a commissioner to sell the lands described in the petition in this cause, I will, on Monday, the 3rd day of Nov., 1930, at 12 o'clock, noon, at the court house door in the Town of Franklin, sell to the highest bidder, the following described tracts or parcels of land:

1st Tract. Beginning at a white oak, J. T. Corpening's beginning corner, runs N 75 E 36 poles to a locust on the bank of Poplar Creek; then down the creek with its meanders 46 poles to a walnut; then N 10 W 20 poles to an ironwood on Stallcup Branch; then up the branch with its meanders, S 81 W 11 poles to a stake in the line of the Fannie Corpening tract; then with said line, N 11 W 26 poles to a stake near the head of a small branch; then N 63 W 21 poles to a forked hickory in the line of No. 48; then with said line, S 45 W 94 poles to a black oak, W. R. Cloer's corner in the gap of a ridge; then with the top of ridge, N 68 E 12 poles; then N 70 E 9 poles; then N 60 E 5 poles to a chestnut on the ridge; then S 24 E 22 poles to the beginning, containing 23 2-3 acres, more or less. EXCEPTING from the above tract the lands described in a deed from J. A. Corpening to John Smith, dated October 19, 1925, and recorded in Book M-4, of Deeds, Page 101, and the land described in a deed from J. A. Corpening and wife, to J. F. and L. N. Smith, dated— day of —, 19—, and recorded in Book L-3, of Deeds, Page 579.

2nd Tract. Beginning at a maple on the S bank of the road, running N 12 W 14 1-2 poles to a stake on the Poplar Cove Creek; then with the meanders of the Creek to a stake in Rosco Corpening's line; then with Rosco Corpening's line, to a stake in the bank of the road; then with the road 28 poles to the beginning.

Terms to be announced on date of sale.  
This 1st day of Oct., 1930.  
GEO. B. PATTON, Commissioner.  
3tO30—cGP

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### Dr. Rogers' Statement To Voters of County

TO THE VOTERS  
OF MACON COUNTY:

On the 4th of next month it will be your duty to elect some one to represent you in the next Legislature. As is doubtless known to you all, I have been nominated by my party for that very important position. I now take this method of placing before you some reasons for asking your support. In the outset, I want to assure you that I have no other purpose in seeking this election than that of serving the best interests of all the people of my County. I am seeking no personal, material gain of any sort. But it shall be my chief aim and effort to do everything in my power to lighten the burden of taxation under which we now suffer. If I am elected not one cent of additional taxes shall be added, but when and where possible, the tax burden shall be lifted from the shoulders of the common man, where it has now remained too long, and placed on others more able to bear it.

The matter of country roads seem to be more in the minds of the people now than any other question. There is a movement on foot in North Carolina to have the State Highway Commission take over and maintain all the roads of the State. I am in favor of such a law. If this cannot be done, I am in favor of a law that will guarantee equal road benefits to every part of this county, administered by competent local supervision, under the general control of the County Board of Commissioners. I am not in favor of maintaining any part of the road system by the use of free labor in any form.

In conclusion, I wish to say that if you again honor me by sending me as your Representative to Raleigh, after the term is over and I return to give an account of my Stewardship, my expectation is to so conduct the affairs of this county intrusted to me while I am there, that I shall meet no one who will have one single regret because he or she may have voted for me, and that no good citizen of Macon County can say that my going was a mistake.

Very sincerely yours,

W. A. ROGERS.

### LEGAL NOTICE

Following receipt of petitions and a public hearing in Asheville on October 1st, complying with Section 15 of the State Game Law, the Board of Conservation and Development voted to close the season, and the same is hereby closed, against trapping fur bearing animals for a period of two years beginning October 15, 1930, and ending October 15, 1932, in the following counties: Clay, Cherokee, Graham, Swain, Jackson, Haywood, Madison, Yancey, Buncombe, Henderson, Transylvania, Polk, Macon, McDowell, and Mitchell.

DEPARTMENT OF CONSERVATION AND DEVELOPMENT.  
By Chas. H. England, State Game Warden. 2tcO30

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fit the whole family.

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