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

NEARLY 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

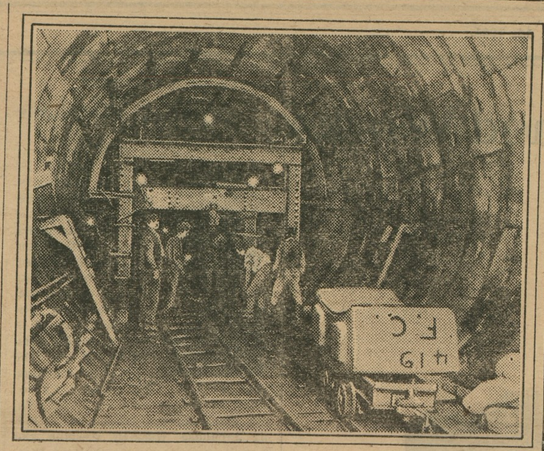
In constructing the waterway, the rgest of its kind ever undertaken by single business concern, the engi- rs are burrowing sixty feet under und for a distance of two and a fifth . They have gone under main ways, railroads, street car tracks, es, a cemetery and a creek.

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 s under construction by the city of Detroit. The piles that provide the foundation for the bridge and those driven by the company constructing he sewer formed a network on each ide 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.

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



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.

Why Moon Is Kept From Obeying Law of Gravity

Two forces, working in opposite directions, neutralize each other and determine the orbit of the moon. Like any other moving body the moon tends to follow a straight flight path. If the gravitational pull of the earth were suddenly annihilated the moon would move away on a straight line tangent to its flight path at the instant of release. The earth is continuously pulling the moon in from this tangent path which it tries to follow. If the speed of the moon were reduced it would move in closer to the earth. Mere motion of an object does not overcome gravity. For instance a bullet fired from a horizontal gun will start to fall immediately and will fall at precisely the same rate as another bullet of the same size and weight dropped from the hand at the same elevation. But the force which moves the moon is working against gravity and it depends on speed.—Pathfinder Magazine.

Why Drive Nails Into Trees

A query which comes to my desk asking what to do for pear trees which blossom and do not mature fruit and where the color of leaves is dull, calls to mind that years ago when a small boy my father sent me to the garden to drive some nails into one of the pear trees there to meet the same condition, and it proved successful.

Those nails as they rusted supplied the iron which was deficient in the soil. I am reminded of this in reading that one of our scientists advises putting iron salts in holes bored into pear trees where the leaves are dull in color and the trees show lack of vitality.

This has been the practice for generations in Europe. Bring a fruit tree into healthy condition and it will produce fruit provided the blossoms are fertilized.—Portland Press-Herald.

The deeper some people sink into debt the higher they hold their heads.

Nero may have fiddled while Rome burned but he didn't chew the rag about prohibition while people starved.

Phone Johnny-on-the-Spot
For Coal—149

Our coal gives a perfect heat — the warmth that will make your dwelling place one of the comfort throughout the winter months. Phone us and tell us how many tons you want—and when.

C. W. KIBLER & SONS
CRESTERTOWN, MD.

A CARD

I am representing Davis & Davis, the well-known commission firm of Baltimore. I have on hand coops and customers may obtain same by calling 113R or call at my home at 116 South Water street. We solicit your business. Chas. J. Reiche. s6-6mos

Toulson Drug Store

Offers these Winter Suggestions, for the home in emergencies:

"Nyalyptus," the Golden Cough Syrup.

Laxacold Tablets and Capsules for Colds, Headache.

Respinol, for Croupy Children.

Vaporizing Balm.

Hot Water Bottles.

Alluminum Hot Water Bottles, good feet warmers.

Tooth-ache and Ear-ache Drops.

Toulson Drug Store

Phone 26. WE DELIVER

Stam Drug Co.

DAY BOOKS
LEDGERS
RECORDS
LETTER FILES
WHITMAN'S CANDY
MAGAZINES
Popular Priced Fiction

Stam Drug Co.

Chestertown Maryland

Save Health and Wealth during March

This is an excellent opportunity for you to get everything you need to help protect the health and comfort of every member of your family. Prices have been reduced to new low levels. Take advantage of them.

$1.00 Vapure for Colds 79c
$1.00 Peptona (Tonic) 79c
50c Laxative Salt 39c
25c Mercurochrome ...19c
Pint Mineral Oil (Russian Type) 69c
Pint Cod Liver Oil....79c
Milk of Magnesia Toothpaste 19c
Puretest Aspirin Tablets (100) 49c
Jonteel Cold Cream....39c
25c Rexall Laxative Cold Tablets 19c
1 Pound Puretest Epsom Salt 19c
1 Pound Puretest Sodium Bicarbonate 17c
50c Lemon Coca Butter 30c
25c Puretest Glycerin and Rose Water 19c
25c Jonteel Talcum ...19c
Many Other Bargains

A. L. Sterling
THE REXALL STORE

ow Air Pilots Can Make Love

ARGARET CARY was very beautiful. She had pink cheeks and blue-gray eyes and soft brown hair. Her arms were so dainty, and her throat was soft and white and looked as though it should be a subject for the poets or the painters or sculptors. And her hands were ail and graceful.

She was very fond of John Robinn—but not any fonder of him than hn Robinson was of her.

He was an air mail pilot, and in all ts of weather he flew with the mail. He always made light of everything. from others she had heard how ve he was, how marvelously he aged his plane in any kind of a n, how he always thought of oth-

t none of this John Robinson to Margaret Cary. He only told hat all that he did was a matter utine, his work.

did not live near where he flew oute, but was hoping to see him. had not been able to get to her Christmas. He had been too busy o busy thinking of others. And in way it had hurt her feelings. he had felt that he should have

e to her—she who could command many could not command him. nd now it was storming so hard aps he would not be able to make trip to see her for New Year's. ut if he didn't come she would r feel the same toward him. It unreasonable she knew. But she for him—more than for any of hers, and the others flocked to use and he had not come. And was doubt that he would come. n he arrived. She heard the ing of the plane; she saw him g.

saw him coming into the house, les attached to his helmet, his ddy, and eyes twinkling. in the look of his eyes—those hat showed how deeply joyous he could be—and in his eness, she knew how him.

Year," they greeted l murmured words for e.

Cary, darling — next s we'll be together and all Years following."

ked up for a moment. Perras because so much of his

above the ordinary levras instinctive romance up and saw the mis- and its significance,"

derstood, and the mis- er Margaret Cary and as they pledged their the green leaves

Oldest Daily Newspaper Uses New Dial Telephone

Kitty Spittle, Alexandria Gazette reporter, finds the dial telephone private branch exchange a great convenience. Charles B. Vance, telephone company employee, looks the equipment over.

The Alexandria Gazette, established in 1784 and said to be the oldest daily newspaper in the United States, is now using successfully the latest type of dial inter-communicating telephone service.

A complete dial private branch exchange system which is in reality a miniature dial central office is located in the offices of the paper. Hand-type dial operated extension telephones connect the editor, news editor, society, advertising, circulation and other departments of the newspaper, so that connections may be established between any two of these offices or with the Alexadria, Va., telephone central office.

The operation of this dial system equipment, telephone officials say, offers many features which tend to expedite the handling of incoming telephone calls to the various departments of the paper. Using this type of dial equipment it is perfectly practical to transfer calls from one telephone to another without manipulation on a switchboard or help from an operator. The entire telephone operation within the newspaper plant is handled mechanically.

This system was installed and is being maintained by the Chesapeake and Potomac Telephone Company of Virginia. It was the first installation of this type of service in the State.

Monarch's "Cold Cure"

This prescription for a cold was advised by Queen Elizabeth: Take a quart of newe milk, put into it 2 sponefulls of honey, 4 ounces of linseede, and as it boyles put in pieces of scarlett or redd cloth and laye one peece on your stomack and one opposite to that on the backe, and soe goe to bedd; sweat and you shalbe well.

Use of Window Glass

Glass was once common in the houses of the well-to-do; then it seems to have been forgotten. The Romans had it and the Romanized Britons must have had it after them. Window glass has been discovered in the ruins of a Roman villa in Kent, having lain buried and unknown for perhaps 1,500 years in a windowless land.—London Mail.

CAR OWNERS, ATTENTION

Auto Tires Absolutely Guaranteed for One Year

Against accident, blowouts, cuts, bruises, rim-cuts, etc., etc.

Prices 10 Per Cent

Cheaper than Firestone, U. S., Goodrich and other first rate tires.

Stop and see this TIRE and let us explain how we can do it.

Fairlee Public Garage

FAIRLEE, MD. HOWARD C. JONES, Prop.

Tolchester Co.
BALTIMORE TOLCHESTER
FERRY

TWO HOURS FROM THE EASTERN SHORE TO PIER 16 LIGHT STREET, BALTIMORE.

Steamer EXPRESS
SPRING SCHEDULE
(Subject to change without notice.)
Weather Permitting
Effective March 8th. 1931.
Standard Time.

Leaves Baltimore week days and Sundays 8.00 A. M. and 3.00 P. M.

Leaves Tolchester week days and Sundays 10.15 A. M. and 5.15 P. M.

Adult tickets one way 60c, round trip, good one day, $1.00 round trip, good 30 days, $1.10; children half price.

SPECIAL

Saturdays and Sundays, Round Trips, good one day, 75c, children under 12 years 40 cents.

Autos and Trucks at low rates.

For further information apply to agents at different wharves or THE TOLCHESTER CO., Pier 16 Light St., Baltimore

a30

SPECIAL PricE

On All

COATS And Dresses

All High Grade Styles and Quality

A. L. SPARKS
CHESTERTOWN

SANITARY PLUMBING

Steam and Hot Water Heating, Pipe and Fittings of All Kinds. Stock of Terra Cotta Pipe and Fittings.

WILLIAM C. SUTTON
Chestertown, Md.. . ..
Phone 237-60

Stevens Bros.

GRAIN, FRUIT & PRODUCE COMMISSION MERCHANTS

226 S. Charles St., Corner Camden St. Baltimore, Md.

Under the personal supervision of D. Nelson Stevens, over thirty-five years successful experience.

References — Merchants and Mechanics First National Bank and all commericial agencies. j14-1yt

The Kent Building and Loan Company

Offers Special Safe Investment
FULL PAID SHARES
5 PER CENT

Interest payable semi-annual may be withdrawn at any time after a year by giving 60 days notice.

Office at Court House. Open every Monday evening from 6.45-7.45 p. m.

L. B. RUSSELL, President.
FRED G. USILTON, Vice-President.
CHAS. N. SATTERFIELD, Secretary-Treasurer.

The Mutual Fire Insurance Co.
OF KENT COUNTY, MD

Insures Property Against Fire and Lightning
All Policy Holders Participate In the Company's Profits
Conservatism and Caution Its Motto
Over Three Million Dollars Worth of Property Insured

DIRECTORS

R. G. Nicholson, J. D. Bacchus, F. G. Usilton, T. W. Eliason, Jr., Allan A. Harris, Eben F. Perkins, Edward W. Emory, P. Medford Brooks, Chestertown; Howard Turner, Betterton; Wm. A. Hyland, Galena; Dudley G. Roe, Sudlersville; James P. Brown, Church Hill.

APPLICATION FOR INSURANCE MAY BE MADE TO

E. C. Bowers, Lynch; Joseph Downey, Rock Hall; B. W. Duling, Millington; Charles H. Jefferson, Chestertown; Frank H. Ruth, Galena; G. W. Owens, Betterton; Allan C. Walls, Sudlersville; Howard Turner Betterton; F. E. Thomas, Grasonville.

When property insured in the Kent Mutual Insurance Company is vacated temporarily or otherwise a permit must be obtained from the company in order to validate the policy.

FRED. G. USILTON, President.
EBEN F. PERKINS, Sec.-Treas.

Red Star Lines Inc

Du Luxe Coaches leave Chestertown daily for Hurlock and way points at 5.30 P. M.

Tolchester and way points 9.30 A. M. and 4.00 P. M., Sunday only at 4.15 P. M. and 9.30 A. M.

(Making Baltimore connection) Matapeake, Kent Island Ferry and way points, 10.35 A. M.

WM. PEPPER CONSTABLE
Attorney-at--Law
Maryland Trust Building
Baltimore, Md.
In Elkton, Md., Tuesdays

JOS. N. WHEATLEY & CO.
INSURANCE
CHESTERTOWN, MD.

ADVERTISE IN THE KENT NEWS

Fine Pictures at the NEW LYCEUM

Some Specials!

All Cotton [full size] All Felt Mattress
$6.00

Full Size, 60 lbs., Damask Tick, a Real Bargain
$18.50

Inner Spring Matresses, Nationally Adv. $39.50 now
$29.50

at Reduced Prices, Bed, Spring and Mattress (full size)
$18.00

N BARTLEY
MARYLAND

COAL UNDER COVER

Palmers Lump Lime

IN BARRELS

Headquarters for Cement, Baled Hay and Agricultural Lime by Rail or Water

Your Orders Solicited

J. D. BACCHUS

PHONE 22 CHESTERTOWN, MD.

WHEN

the sad necessity arises and you want the best work, the finest equipment and a service that is unequalied with right prices, call

W. T. HICKS

Funeral Director and Embalmer
PHONE 306J CHESTERTOWN, MD.
n15-tf

©Maryland State Archives, msa_sc6000_27_1-0370