# Water Is Rival of Electricity

**Wave Power Transmission Hailed** as Newly Come Conqueror on Industrial Horizon.

#### IS INVENTION OF AN ITALIAN

New Method Is Coming Into Practical Use-Piles Driven and Granite Drilled - Not Same as Hydraulic Power.

New York.-Unheralded except and technicians in England and Italy, a new method of harnessing water, invented only a few years ago, is coming into practical use. We make the waves of the air work for us in a thousand ways, and through ages have striven to chain the tides to machinery, but wave power transmission is Marian Storm in the New York Post, transmission of power in the sense even piledrivers." now popularly used, and it proposes, in certain fields, to rival electric trans-

Capt. L. G. Culleton, R. E., who is at present in New York, and who is a friend of the Italian inventor of the system, George Constantinesco, talked with enthusiasm of the service which is destined to render when the theory days when little boys build their own

The Principle. "The transmission of power through thing imaginable—if anything, simpler than the transmission of electric current over a wire," he said. "You wonder why it has never been practically cussed it so much.

"The principle of the system differs fundamentally from the usual conception of the hydraulic transmission of power, where liquid is made to flow through the system. For in wave power transmission the liquid does not flow, but power is handed on from particle to particle of the liquid, these vibrating about a mean position and transferring the impulse received from one to another, until at last the power received at one end of the system has been delivered at the other end."

So far it seemed quite understandable. "These impulses in the form of waves," he went on, "travel through among a narrow circle of engineers water at the rate of about 4,707 feet a second. The machines are built to work at forty impulses or cycles a second-2,400 per minute."

"What are some of those machines -what can they do?"

"Well, wave power generators and transmission piping are on the market now in England, and tools of a hailed as a newly come conqueror on good many kinds are obtainable—rock the industrial horizon. It is, says drills, riveters, coal cutting drills, disc and chain type coal-cutting machines, by no means the same as hydraulic impact screens, concentrating tables,

"Wave power transmission doesn't seem so very different from alternating current electrical transmission," some one reflected.

Wave Transmission.

"There is a similarity, and it's not coincidence," Capt. Culleton answered. "Many of the laws that govern wave needs become in the grasp of this inhe believes wave power transmission and electrical transmission are interchangeable. You'll be interested to strong enough to do the work, the to more commonly known, declaring it know that in wave transmission there power imparted to the particles at comprehensible to almost every one in | are the equivalents of what we call in | one end of the pipe line by the genelectrical practice volts, amperes, fre- erator can't help being delivered at airplanes and automobiles, although, quency, angle of phase, induction, ca- the other end. of course, a description of the method pacity, resistance, condensers, transcannot be given without some technical formers, single-phase and poly-phase systems-"

He was interrupted by the question whether anybody could conscript his in cases where it is not desirable to a pipe full of water is the simplest private pond for service by aid of wave use electric power, or in fields where power machines,



GOLD STAR MOTHER

This beautiful statue, the Gold Star Mother, now stands in front of the building of the Chicago Historical so-

over the entire experimental plant and made all the patents secret, but I understand that considerable use was made of the system in equipping allied battle planes.

He explained how docile water must ventor: "As long as your pipe is

"Do you think, then, that wave power will even chase electricity out of the field?"

"No, certainly-but it can be used electrically operated machines do not "Oh, naturally, world-wide patents give the best results, as in mines, or cover the storage of energy in liquids. In boiler shops and shippards where Experimental work has been carried direct vibratory machines are required. applied before, since theorists have dis- on in England since 1914, and early in Compressed air at present has practhe war the British government took tically a monopoly in these fields."

### NEBRASKA IN BRIEF

Timely News Culled From All Parts of the State, Reduced for the Busy.

SCORES OF EVENTS COVERED

J. G. Ludlam has been appointed postmaster at Linoin. Three hundred and fifty-seven names were added to the Geneva farm bureau during one week.

The infant child of Mr. and Mrs. Emory Pickett of Auburn accidentally man and L. W. Trestler executive swallowed a safety pin.

be the oldest free mason in the state, \$300,000, every cent of which is to be died last week at his home in Bea-The Norfolk canning factory has

association at the session held in

Omaha last week, has made application for a charter a telegram from Mr. Hoover.

from the state banking bureau. Fire Chief Harry Whiteside, who a fire in a printing plant at Bentrice, has recovered and is again at his post.

without public libraries of any kind. according to Miss Nellie Williams, secretary of the state library commis-

State university fruternities will combat high prices by refusing to patronize hotels, cafes, Movies, dances and other places until prices are reduced.

Four business houses at Burchard were entered by burglars who escaped on a velocipede which they stole from the Burlington railroad. They left the machine at Pawnee City.

George W. Holdrege, general manager of the C. B. & Q. lines west of the Missouri river, after fifty years of active service with that road, will retire on Friday, December 31.

At the state sheriff's association meeting at Grand Island last week Carl Quinton of Palttsmouth was elected president for the ensuing year and Peter Duffy of O'Neill, secretary-trens-

Kearney dealers are paying a premium on corn, and as a consequence corn is being marketed there from distances of twenty miles and more, the 8 and 9 o'clock one night last week, majority coming from south of the The housing problem at Lincoln is

becoming serious, according to an estimate just presented of the shortage. to murder in the second degree, and It is said that five hundred houses are | was sentenced at Grand Island last needed at present to adequately ac- week to imprisonment for life. commodate the people who are hunting

as principals to take the examination over the city. for midshipmen at the naval academy, and Theodore F. Barnes of McCook as | county agricultural agents by the cola candidate for a cadetship at West lege of agriculture indicate that be-Because recent surveys have reveal- crop was still in the field December 1.

greater use of milk and butter and the serving of hot lunches at school.

a relief fund for students in France, Germany, Austria, Hungary, and Czecho-Slovakia. The matter was ber 30. presented to the representatives of various organizations and the movement endorsed, but action has been guard in the next four years, accordpostponed till after the holidays.

again won a notable victory when its for the reorganization of the guard allive-stock judging team triumphed over | most completed. college teams from several other big versity of Indiana, and that by a nar-

row margin. The obtaining of a fair price for prices than in anything else.

Hard times is filling Nebruska Fire which started in the basement tendance to lack of employment and combustion. the financial depression.

The Cass County Farm Bureau, cocember 13.

The Hobb Motors company and the in 1921. Patriot Motors company, two Lincoln States Judge T. C. Munger.

ney had charge of the services.

NEBRASKA RELIEF COUNCIL.

Organized to Help Feed the Starving Children of Europe.

Omaha.-For the purpose of assisting to feed 3,500,000 children in Europe who will die of starvation this winter unless America feeds them, the Nebraska relief council has just been organized by the state committees of the Red Cross, Y. M. C. A., Knights of Columbus, Y. W. C. A., Church Federation, Friends' Service association, American Relief association and the Jewish relief. The organization was perfected at a meeting in Omaha last Monday, at which representatives of the eight state-wide organizations chose G. W. Wattles of Omaha chairsecretary. The council will conduct a Dr. Fred Brother, aged 89, said to campaign during the holidays for used for the children of Europe.

The Nebraska campaign is to be waged as a portion of the nationwide been closed down until next January campaign of which Herbert Hoover is due to lack of buying on the part of chairman. The organization through which Mr. Hoover carried on the great C. C. Smith of Exeter was elected relief work in Europe immediately folpresident of the State Manufacturers' lowing the war will be utilized for this work among the children of Europe.

"Unless America feeds and clothes The Farmers' State bank of Verdon these children this winter they will is a new banking institution, which die," said Mr. Wattles, reading from

"This is the last campaign in which America will be called upon to assist was overcome by smoke while fighting | Europe," said Mr. Wattles. "And this is for the children. Not a cent goes to grown folks-it's for the little There are 35 counties in the state children. They must not be left to starve."

> Arrangements were made to organize the European Relief council in every county in the state. Representatives of each of the eight organizations which have merged into the European Relief council will get together in each county immediately and will arrange to conduct a local campaign beginning at once and ending prizes. with the year.

The English Lutheran church at Valparaiso celebrated its twenty-fifth anniversary last week with an all-day

Members of the former Plattsmouth Home guard company voted \$350 remaining funds in their treasury to the American Legion for use in outfitting club rooms.

Bill Rourke, who for the last 21 years has been sole owner of the Omaha base ball club of the Western league, has sold his franchise to Fagan Burch of Houston, Texas. Automobile bandits operating in

Omaha stole ten automobiles between This is a record number for one hour, according to official reports. Mike Curtain, alleged slayer of his

father on June 2d last, pleaded guilty An explosion in the gas plant at

Kearney set fire to the building and Congressman Andrews has named caused a damage of \$60,000. The Charles H. Blivens and Daniel Stubbs shock of the explosion was felt all

Replies to a questionnaire sent to tween a third and a fourth of the corn

ed considerable numbers of under-The Gothenburg Community club nourished children in small towns and has decided to bring some of the big on farms, the college of agriculture is musical attractions to Gothenburg this joining in a campaign to encourage winter and the first number will be

the Polish planist, Leopold Godowsky. The report of State Land Commis-Students of the university at Lin- sioner Dan Swanson shows a total incoln have been asked to contribute to crease of \$103,467.66 in receipts from lands leased and lands sold by the state for the two years ending Novem-

Nebraska will be required to enlist 6,400 officers and men for the national ing to a statement just issued by The Nebraska college of agriculture Adjutant General Paul, who has plans

Farmers of the Canadian settlement combelt states at the International in the Stanton neighborhood have cut live-stock exposition at Chicago. Ne- all farm laborers' salaries to \$50 a braska ranked ahead of such states as month. Many farmers have been pay-Iowa, Kansas, Missouri, Minnesota, ing their men, who had families, \$100 Illinois, Ohio, the Dakotas and Texas. a month, furnishing free house, giving It was defeated only by Purdue unithem milk, potatoes and fuel as well as allowing them to keep a flock of chickens.

In addition to hundreds of letters to agricultural products will be the gen- the College of Agriculture from farmeral keynote of the discussions at the ers regarding the keeping of cost acmeetings of organized agriculture to counts, communities are organizing to Lincoln January 3 to 7. locreased do the work in a co-operative way. production and the general betterment | Farmers of Cheyenne county recently of farming will not be neglected, and voted to keep accounts in every school will come up for prominent considera- district. Three communities in Platte tion at several meetings, but farmers county have also organized to know just now are more interested in better the cost of producing next year's crops.

churches, according to Rev. John H of the Greenwood block at Wymore Garrettson, of the Nebraska welfare caused a loss of about \$5,000 to the association who has just completed a postoffice and the building in which visit to churches in the state. He at- it is located. The origin of the fire tributes a 20 per cent increase in at- is supposed to have been spontaneous

The home of Dr. Edwin Maxey, for-Nebraska municipalities, school dis- mer weil-known professor of law at tricts and counties have issued treble the state university, at Collegeview, the amount of bonds in the last bien- was set on fire, a damage estimated nium as in the preceding two years, ac- at \$1,000 resulting. Kindling in a bascording to records compiled by C. E. ket and rags in closets and bureau Lawrence, clerk in charge of bond drawers, saturated with kerosene inregistration at the state auditor's dicated that the fire was of incendiary origin.

Nebraska university is now a fulloperating with the state and national fledged member of the Missouri Valley organizations, is planning a big mem- Conference, ready to comply with all bership drive for the work of De- the rules of the organization and will compete for the football championship

Patrolman Joe Treglia is to be given corporations, have been held to be in- the first medal awarded under a new solvent in a decision made by United plan for rewarding extraordinary bravery and efficiency in the police de-The new Platte county courthouse at partment at Omaka. Treglia thwarted Columbus was dedicated last week by an arson plot to destroy a restaurant the Masonic grand lodge. Grand Mas- and rooming house in that city, by ter Frandenberg of Omaha and Grand carrying out of the building several Custodian Robert E. French of Kear- blazing basins filled with inflammable material and oil soaked shavings.

# CANADA BIG WINNER

Captures Many Prizes at Leading American Fairs.

Remarkable Showing Made at International Live Stock Show at Chicago-Carried Off Sweepstakes For All Wheat.

Something that lends emphasis to, and affords definite proof of, the generosity of the soil and climate of western Canada, is shown by the numerous exhibits made by both the government and individual farmers and stock raisers of that country, at many of the leading state and county fairs in the United States this season. Particularly is this the case with regard to exhibits made at the International Live Stock Show recently beld at Chicago.

First and foremost to the average farmer will appeal the fact that Canada carried off the Sweepstakes for all wheat, and that out of a total of twenty-five prizes, Canada took twenty. In oats the Grand Championship was won by a farmer living in the Province of Alberta. Canada also was awarded the championship for Durum wheat, while for Flint Corn out of a total of ten prizes, Canada took first, second, third, sixth and seventh.

Not only in grains did Canada prove her right to rank as a first class agricultural country, but she carried off many prizes for cattle, horses, sheep and hogs, a partial list of which fol-

lows: Cattle, Canada was awarded the championship for Grade Shorthorns, also in the College Special class, Canada gained first, fourth and sixth

Horses, Grand Championship for Clydesdale stallion, also Grand Championship for American bred mare, as well as first for three-year-old Clydesdale stallion, first for one-year-old Clydesdale stallion, and second for the aged class.

In the Belgian class, Canada obtained first and reserve for Championship Belgians, as well as second for Aged stallion.

Sheep, Canada obtained Championship for block, male and female, in addition to first prize in all group prizes.

Hogs, in the Yorkshire class Canada was very prominent, taking the Champlonship for pen of Yorkshires, and championship for best single barrow, as well as over twenty first, second and third prizes in other classes of Yorkshires.

With regard to the live stock shown It must be borne in mind that these have not been fed on corn, on which the average western farmer places his reliance, but on the wonderful oats and barley grown in western Canada, supplemented by the native grasses, of which a most artistic display was made by our neighbors to the north,

Canada has conclusively proved that not only can she take prizes for the grain she raises, but can also take prizes with the animals to which these grains have been fed, and this In open competition with the world -Advertisement.

Their Choice.

The children were going to have a stepfather, Mother had just made the announcement and was waiting to hear their opinions of her choice. Nineyear-old Ruth's came first. "But, mother, he hasn't any hair," she protested.

Mother smiled. She had been afraid they might offer worse ones than this, "But your own daddy didn't have much," she smiled.

For a minute Ruth was silenced. but she was thinking. "I know, mother," she admitted, "but you were young when you chose him. Now you know more and it does seem like you ought to be a better chooser."

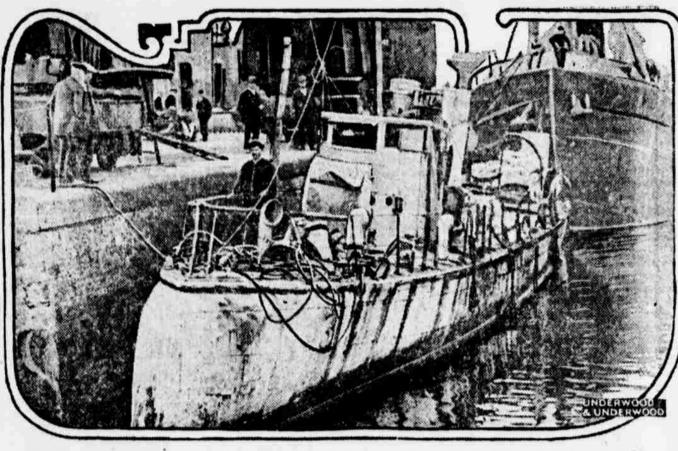
Under Fire.

"What sort of speaker is he?" "I don't know. He seems to be all right for plain talking, but I don't know how'd he'd be if they started to beckle him."



See your neighborhood dealtand insist on the Friedman Shelliy All Leather" Trade Mark It means real discreaming

# Crewless British Torpedo Boat Picked Up in Channel



The French trawier Wagram recently arrived at Plymouth, England, with the British torpedo boat O.76 in tow. The Wagram had picked up the little war vessel while on her way to Boulogne. No trace could be found of the torpedo bont's crew.

## Strangers Seek **Buried Treasure**

Hidden a Century Ago by Counterfeiters on Shore of Lake in Maine.

Gang Worked in Secret for Many Years, but Refrained From Passing Any of Their Product in the Neighborhood.

somewhere along the shores of Money- quarter of a century. maker lake, between Robbinston and

he settlements, came upon two men imitations of silver coin. gging under some giant spruce trees car the shores of Moneymaker lake.

toiled in two or three spots. Later,

account for the presence of strang- was then permitted to go. clared his belief that the two unknown terfelters and his sense of duty for a treasure seekers for years.

gently along the shores of the lake, the farmer. but the search was abandoned, and Before reaching the cabin of the Bangor, Me.-The fact that a for- until this week no one had been known counterfeiters the officer came upon tune lies buried in the dense forest to have hunted for the treasure for a Ball, who was doing sentry duty,

Moneymaker lake is surrounded by advanced upon Ball. The latter fired Red Beach, well-nigh forgotten by the a heavy forest growth and is in a bringing down the officer at the first few residents of that section who ever somewhat inaccessible place in north- shot. Other officers later captured knew It, has again been brought to ern Washington county. It derived its Ball, but Smith and Blaisdell escaped name from a gang of counterfeiters and have never been heard from since. A Robbinston farmer lad, having who, early in the nineteenth century, Ball was tried, convicted of murder trayed some distance from home in dwelt in a cabin on the shore of the and was executed. carch of trout brooks, which might lake and pursued their unlawful emurnish better sport than those nearer ployment of making money, chiefly counterfelter said that a large sum

Later their names were known to at the foot of a tree near his cabin, be Ball, Smith and Blaisdell. Here but he defied any one to find it, and The men did not observe him at they lived for many years in secrecy refused to tell its exact whereabouts. first and he watched them while they until one day, almost a century ago, He said most of the money was in a Robbinston farmer, looking for some genuine silver coin, the spurious monwhen he accosted them, they told him cattle which had strayed from his pas- ey having been distributed elsewhere. they were digging for worms for balt. ture, came upon their cabin unawares As soon as the story became known. As they had no fishing tackle with and discovered the nature of their em- and for many years after, hundreds

lawbreakers and carried into their cabin. Ball, the leader of the gang, was in favor of killing the visitor to make sure that there would be no evidence against them.

If Smith had not strongly objected Ball would probably have killed the farmer, but Smith was determined that the crime of murder should not no fish worth catching, the boy thought be his, and a compromise was efthis explanation somewhat remarkable. feeted. The farmer was obliged to When he reached home he told of swear by the most binding oath that his adventure, and at first none could he would not reveal his discovery, and

ers or for their actions until one of The farmer, after his return home. the older residents of the town de hesitated between his fear of the counmen were seeking the buried treasure day or two, and then told the town which has lain in secret for almost a authorities what had befallen him and century and has defied the efforts of what he had discovered. Deputy Sheriff Downes started for the forest at Long ago many men labored dill- once, along the route described by

Deputy Downes, a courageous man

Before his death by hanging the of money had been hidden by him

them, and as Moneymaker lake has ployment. He was setzed by the three tried valuely to find the hidden hoard.