THE OMAHA SUNDAY BEE: FEBRUARY 25, 1917.

## PAINLEVE TAKING **ISSUE WITH EDISON**

French Inventor Takes Position Wireless Has Played Important Part in War.

POINTS OUT INSTANCES (Currespondence of The Associated Press.)

Paris, Feb. 10 .- Painleve, a mem

per of the French institute, eminent

I'rvell

For Powell Supply Co.

OMAHA

POWE ENEUMATIC NON-SKID PUNCTURE-PROOF SUPPLY COMPANY The Lee is the only puncture-proof OMAHA pneumatic tire made. We will have sample sections showing their con-Automobile struction on display at our store, 2051 supplies Farnam street. Also men in charge to explain their merits from both a 2051 Farnam Street sales and service-giving standpoint.

### FACTORY EXHIBITS OF AUTOMOBILE ACCES-SORIES AND SHOP EQUIPMENT AT POWELL'S February 26th to March 3rd, 1917

The pleasure cars and trucks will take every inch of space in the auditorium, the basement of the auditorium and the new annex. As this left no room for accessories, we decided to put

cessory and supply lines. Direct factory representatives and demonstrators will be on hand to show the operation and use of the new things and to explain the sales opportunities offered

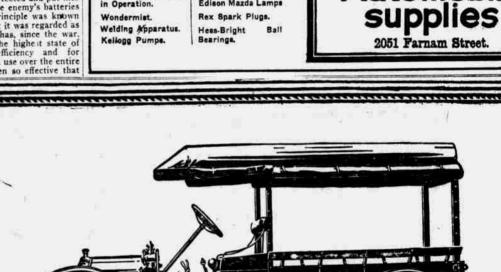
A visit to this Accessory Show at Powell's will give you the same advantages as would a trip to the different factories whose products are exhibited.

You will be able to get full information on every product and the most advantageous sales arrangements that can be offered. Whether you are now in the market or not, it will be well worth your time to go through the different exhibits and learn of the new machines, new ac-

You will be most welcome here, whether buying or not, and we cordially urge you to at-



#### Among the Exhibits Will Be: POWE **Bosch Magnetos.** Car Springs. Non-Burn Brake Lin-Ing. General Electric Bat Charging Out-SUPPLY COMPANY tery fits. Speedometers Weaver Tire Chang Fire Extinguishers. ing Apparatus. Healy Valve Reseat-Weaver Shop Equipers. ment. Automobile Columbia Batteries. Shaler Vulcanizer in Operation. Edison Mazda Lamps Rex Spark Plugs. Wondermist.



in the dance hall of a western mining town: "Don't shoot the planist. He is do-ing the best he can." Don't bully the telephone operator. She is doing the best she can. If she were not she would not be where she is. Being a telephone operator in these busy days is no sinecure. The silliest place to lose one's tem-per is into à transmitter. It is the most cowardly place, also. To abuse a telephone operator (who is a long way off, a woman and an employe) is about as heroic sport as shooting robins. The operator cannot get her tormentor discharged. She cannot even answer back. Discipline forbids. -Boston Globe. crankshaft and lighter reciprocating parts, the company has produced an extraordinary powerful engine of the high speed type, which is claimed to match any performance within the ex-perience of motor car owners today. Every demand for fast getaway, hill climbing ability or flexibility is more than satisfied in the new type, prov-ing that it is possible for a highly de-veloped "four" to equal any other type in any kind of a test.

## HE LINKED TWO CONTINENTS

of the Cable Pioneers Recalls Romance of Sea Com-munication.

munication. One pioneer only is left linking the early days of the transatlantic cable with these days of "week-end cable letters" on private matters and innum-erable lengthy cablegrams telling the western hemisphere of the stirring do-ings and the European war's confu-sion in the eastern hemisphere. The one remaining link is W. J. Fraser, now district cable manager of the Western Union Telegraph com-pany. He lives at Brookline, Mass., with his son-in-law and daughter. Mr. Fraser is 71 years old. When he came across the ocean in 1874 and established his headquarters at Rye Beach, N. H., cable messages cost \$5 a word, and less than twenty words at a time were never accepted by the sending company.

WOMAN CAN'T BE A FRIEND. Gotham Psychologist Puts Out Theory Regardless of Consequences.

Consequences. Consequences. Charles Gray Shaw, professor of philosophy at New York university, has devoted considerable time and ef-fort in research work on the problem of "can a woman be a friend and, if not, why not" Today he made public the results of his study. "She cannot be a friend." Prof. Shaw announced, "for although the word is given in both genders, the fact alone is masculine. The reason for this state of unfriendliness in woman is that to be a friend a clear-cutpersonality and a disinterested outlook on life are required. Woman lacks both of them. Woman is never a friend because she is never an in-dividual, and to be an individual one. must stand alone. Woman is a planet – a satellite-well adapted to revoly-ing around some center, but not or-garized so as to stand alone. "Men's clubs, of which they are so "Men's clubs, of which they are so proud, are combinations made for kill-ship. It is a hothouse for tender plants."—New York Times.



"DON'T SHOOT PHONE GIRL" Pertinent Remarks on the Value of Courtesy in Speaking in the Dark.

To speak to a telephone operator is

X

6-P

NEW TYPE ENGINE

AT THE AUTO SHOW

White Company Introduces

Four-Cylinder Car With

Sixteen Valves.

NEED NO MORE CYLINDERS

To the motorist who is interested

chiefly in mechanical things, the one

improvement of a fundamental char-

acter to be seen at the automobile

shows this season is the sixteen-valve

type of four-cylinder engine which

features the exhibition of the Ne-

braska White company in the palm

room at the Automobile show this

This new type of engine does not

change the function of the four-cylinder type of engine in any way, but it introduces a double valve prin-ciple which makes the four-cylinder

motor capable of any performance ob-tainable from other types. Also as interesting as the valve design itself,

is the fact that new extremes of motor

car performance are now secured without surrendering the simplicity and ruggedness of the four-cylinder

Valve Efficiency Vital.

The White company asserts that valve efficiency is more vital than the number of cylinders and also contends

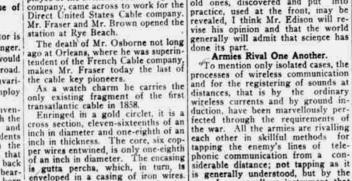
tow geared rear axie. Inis being ap-parent, the company two years ago announced its determination to adhere permanently to the four-cylinder type of motor and to bring this type to its ultimate and final form. The six-teen-valve "four" therefore is the culmination of a definite policy of emination research

engineering research. By using a double set of valves in each cylinder, a counter-balanced crankshaft and lighter reciprocating

week.

like speaking in the dark to a stranger. In such a situation courtesy would seem to be the first rule of the road. Unfortunately, courtesy is not invari-

Unfortunately, courtesy is not invari-ably the tone which people employ with telephone operators. During one of the national conven-tions, something went wrong with the wires; messages were delayed and mixed; offices and correspondents were losing their tempers. In the midst of it, James Morgan, with that imperturable humor of his, sent back to the Boston Globe a telegram bear-ing merely the words that were born in the dance hall of a western mining town: number of cylinders and also contends that any power and flexibility which has been secured heretofore by multi-plying the cylinders can be produced in a more effective and satisfactory manner by increasing the valve capacity of the "four." Engineers of this company say that the wide flexibility and rapid acceler-ation of the multi-cylinder motor are due not to the high frequency of ex-plosions, nor to the overlapping power strokes, but to the high speed of the engine in conjunction with a low geared rear axle. This being ap-parent, the company two years ago

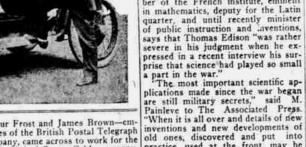


A writer in Leslie's, describing the

defying the cold and snow. Their motors are always ready to start, and really work best in cold weather. Frozen pipes and snow drifts have no terrors for them. One electric takes the place of four steam pullers. It towers above you like a black steel giant. It weighs 600,000 ponnds, and is 113 feet long. It has thirty-two wheels and, having no flues to clean or boilers to inspect, it runs a thousand miles without over-

runs a thousand miles without over-hauling. No smoke, gas or cinders make the tunnels and snowsheds unpleasant and offensive.

Traser, now unstrict cable manager of the Western Union Telegraph com-pany. He lives at Brookline, Mass. with his son-in-law and daughter. Mr. Fraser is 71 years old. When he came across the ocean in 1874 and established his headquarters at Rye Beach, N. H., cable messager cost \$5 a word, and less than twenty words at a time were never accepted by the sending company. Today the cheapest cable service offered is week-end letters from our Atlantic coast to London and Liver-pool at a rate of twenty-four words for \$1.15, with an excess charge of 5 cents a word. Week-end letters may be filed up to midnight Saturday, and will be delivered Monday morning. The contrast in times also is illus-trated by an anecdote Mr. Fraser tells of a message from Queen Victoria to President Buchanan in 1858 of about 100 words, which consumed two days in the sending. Today a normal cable operator can average 100 words a minute in transmission. In Taf4 Mr. Fraser, with four other operators—B. J. Gee, Hugh Osborne,



Arthur Frost and James Brown-em-ployes of the British Postal Telegraph company, came across to work for the Direct United States Cable company. Mr. Fraser and Mr. Brown opened the station at Rye Beach.

transatlantic cable in 1858. Enringed in a gold circlet, it is a cross section, eleven-sixteenths of an inch in diameter and one-eighth of an inch in thickness. The core, six cop-per wires entwined, is only one-eighth of an inch in diameter. The encasing is gutta percha, which, in turn, is enveloped in a casing of iron wires. The whole, appearing about the size of a dime, he has carried for twenty years.-Boston Globe.

ELECTRICITY DEFIES WINTER

#### Modern Monsters Outclass Steam Locomotive in Bucking Mountain Cold. yards away

winter work of the electric locomo-tives on the Milwaukee's mountain division, tells how forty-two of these lightning-consuming monsters are defying the cold and snow. Their defying

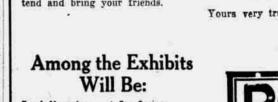
pleasant and offensive. Crossing the Continental Divide, these motors are now operating for a distance of 330 miles from Alberton to Harlowton, and in February will be running 110 miles farther to Avery, Idaho, a total of 440 miles. The Mis-souri at Great Falls, Mont, furnishes much of the power. And when the

to bring to practical use the interest-ing propositions that were found worth considering. He himself pre-sided over a special commission of men of science, charged with the ex-amination of all new inventions and processes proposed for use in the na-tional defense, and must consequently be regarded as in a better position the regarded as in a better position

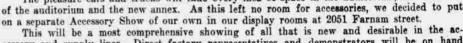
than any other man in France to know what science has done for the war.

war. System is Perfected. "I would mention also," he said, "a system that we perfected and put into use for locating the enemy's batteries by sound. The principle was known before the war, but it was regarded as impracticable. It has, since the war, been brought to the highest state of perfection and efficiency and for perfection and efficiency and onths has been in use over the entire front. It has proven so effective that

is generally understood, but by the use of a marvellous instrument that enables the sentinel in his advanced listening post out beyond the front line of trenches to hear the gnemy communications by telephone going over wires that are several hundred vards away." cessories and improved methods. "No more than an allusion to these things may be made," said M. Pain-leve, who, as minister of munitions, organized a veritable mobilization of scientists and scientific laboratories in The technical actions of his tend and bring your friends. Yours very truly, France. The technical sections of his ministry collaborated with inventors to bring to practical use the interest-



on the different lines.



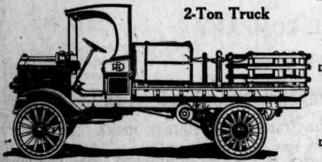
# our adversaries, who captured a motor car with one of the outifs, have equipped themselves with similar ap-pliances, but lacking the delicacy and the precision of our instruments. It was France that had the entire inlat-ive of this brilliant application. "Inventions for following the en-emy's sapping and mining operations by sound that were, in all armies, very

# **REO TRUCKS**

Bear Mute Testimony To the Well Earned Reo Slogan "The Gold Standard of Value"



Engine Size, 41/8x41/2. Pneumatic Tires, 34x41/2. Wheel Base, 121 Inches. Price \$1,000 f. o. b. Factory.



Engine Size, 41/5x41/2. Tires Solid. Size: Back, Front, 36x311/2. Wheel Base, 146 Inches. Price \$1,650 f. o. b. Factory.

That "built-in" value and never - failing sturdiness so long associated with the Reo products comes to attention most forcefully in Reo Trucks. They will not fail you. On the other hand, they give unexpected service where other makes are questioned.

Jones-Opper Co. Omaha, Nebraska istributors Eastern and Northern Nebrasks and Western Iowa.

### A. H. Jones Hastings, Nebraska Distributor Southern and Western Nebraska and Northwestern Kansas.

Space No. 10 Annex, Omaha Auto Show.

# WHITE MOTOR TRUCKS

In building Motor Trucks, it is the policy of The White Company to make them highest grade. This policy is founded on the conviction that nothing less sturdy or less refined or less expensive can efficiently and economically meet the actual requirements of motor truck service.

White Truck chassis are built in capacities of 3/4, 11/2-2, 3 and 5 tons, with special body designs and equipment for any service including power dumping bodies, power driven pumps, winches and hoisting bodies.



THE WHITE COMPANY CLEVELAND THE NEBRASKA WHITE COMPANY FRED C. ROGERS, Mgr. Show Room, 2417 Farnam St., Omaha, Neb. shibit of Trucks will be held at our show room, not at Auditorium