We Want Your Help

to make Omaha street car service safe, rapid and satisfactory

Have your fare ready when entering the car--20 seconds' delay for six people entering a car makes a loss of two minutes on the schedule.

Ask for your transfer when you enter -- This obviates pushing back through the crowds, or holding the car when you get off.

Move up to the front of the car during the crowded hours--You can leave by the front door and this exit is the easier way.

Don't wait to signal the conductor till you approach your corner--Signal as soon as the car leaves the street nearest yours.

When getting off the car always face the way the car is going--Use care whenever you board a car or alight from it.

Omaha & Council Bluffs Street Railway Company

Tungsten, that Was Once Cast Aside by the Miners.

COMES INTO ITS OWN AT LAST

Now it Helps to Light the World, Toughens Steel and Has House-Hold Uses - Autos Owe Much to Vanadium.

DENVER, March 12.-Not so long ago metals as tungsten, molybdenum, vanadium and uranium were so rare that through fourteen inches of the best armor the commercial world knew nothing about plate. Tungsten compass needles are the them, and as a rule only students were best on the market. aware that they had been discovered. Few people ever saw boron, silicon, titanium and chromium except in museums.

ble by some of these rare metals. So, 100, grade crucibles. automobiles owe their present perfection a part to the once rare metals that temper it toughen steel. In other industries also these metals play an important part.

Until a comparatively short time ago these rare metals were left in the dump \$10,000 for experimental work on the treatheap at the mines, being deemed not only valueless, but actually detrimental to the concentration of the ore which was considered of value. In Boulder county, Colorado, the miners used to throw away what they called black jack. Now that they know black jact to be wolframite, an ore of tungsten, they are carefully smelting the dump heaps, as tungsten forms a valuable branch of mining.

In Cornwall, England, the miners found tungsten ore, but called it mock lead because of its high specific gravity, and they, too, left it in the dump. Upon learning the value of the stuff they are working over the refuse hours to recover the valuable found in such scant quantities that the un- planet Uranum. The chief ore of uranum

at Trumbull, Conn., and Eben Smith dir. steel it has the same effects as tungsten, of value commercially. In the summer of Its chief use is in the manarfacture of

Tungsten steel is extremely tough. Projectiles made from it have penetrated

In the form of ferrotungsten it has pro Goethe's dying cry for "more light" has Even pianos have been benefited, as been echoed around the world until cities tungsten gives added strength and quality now blaze at night with the glory of the to the wires. Its high melting point gives noonday sun, and this has been made possi- it value in the manufacture of the highest

> tric furnaces, but the problem now is to produce it by direct pig iron blast furnace smelting. The American Smelting and Refining company has recently appropriated ment of tungsten ores.

Tungsten is now mined in Arizons, Callfornia, Nevada, Montana, Idaho and Colorado, which produces 60 per cent of the output. The tungsten belt in Colorado is three miles long and eight miles wide. The world's production of this ore in 1906 tons. The production in Colorado in 1907 tungsten has become almost as staple as that for copper, zinc or lead.

A possible rival to tungsten is molybdenum, a metal discovered in 1778, but as yet certainty of the supply makes it commer-In 1842 this ore was found in Lan's mine cially second to tungsten. Alloyed with and from pitchblende comes radium. covered it in 1978 in Colorado, but it is and there is the very great advantage that along through Okanogan county, Washing- the artistic world, for in the manufacture with pick, shovel, drul and powder, of pottery the saits impart a fine, rare, staked a claim which abounded in a new blue color. An important use is in rifle ere that they believed to be filled with barrels, large cannon, propellor shafts, gold and aliver. Much excited they filled wires and high-speed tool steel.

KIDNEY OR BLADDER MISERY GOES

Several doses will regulate your out. The moment you suspect any kidney or of-order Kidneys, making Backache vanish.

miserable and worried because of out-oforder aldneys, backache or bladder trouble. If you will take several doses of Pane's Directio all misery from a lame back, rm umatism, painful stitches, inflamed or swotien eyelids, nervous headache, irritay, dizziness, wornout, sick feeling and -r symptoms of overworked or deranged Bueys will vanish.

Uncontrollable, smarting, frequent urination (especially at night) and all bladder misery ends.

This unusual preparation goes at once urinary system, and distributes its healing. cleansing and vitalizing influence directly completes the cure before you realize it. in the world,

urinary disorder, or feel rheumatism comnig, begin taking this harmless medicine, with the knowledge that there is no other remedy, at any price, made anywhere else in the world, which will effect so thorough and prompt a cure as a fifty-cent treatment of Pape's Diurctic, which any druggist can supply.

Your physician, pharmacist, banker or

Only curative results can come from taking Pape's Diuretic, and a few days' treatment means clean, active, healthy kidneys, to the disordered kidneys, bladder and bladder and urinary organs-and you feel

When neither gold nor silver was found, until Moissan in 1963 brought it into the

hey gave up their claim. But the assayer limelight through the electric furnace. It noticed unfamiliar crystals in the ore and is found in the Black Hills of Dakota and This Assertion by Orville Wright Lehman of Lampere, Cal., and Miss proceeded to investigate and found it im- its most important minerals are columbite pregnated with tungsten acid. When this and tanalite. A small quantity has been fact became known there was soon a new kept in this country for experimental work, ndustry for the region. Tungsten is now in demand for incan- eral tons, has been shipped to Germany.

lescent lamp filaments. In the form of The most important use to which tansodium tungstate a fireproofing of value talum is put is in the manufacture of fliais produced. Tungsten brought joy to the ments for incandescent lamps. They were heart of The housewife in that it fixes put on the market in Germany in dyes so that wash goods will wash. Silk and in the United States in 1906. The merchants rejoiced, for other tungsten salts | tantalum lamp scores on these three points added weight to silk.

duced a high-speed tool steel that was never thought possible by mechanics.

Tungsten ores have been melted in elec-

AND YOUR LAME BACK FEELS FINE

any mercantile agency will tell you that Pape, Thompson & Pape, of Cincinnati, is a large and responsible medicine concern theroughly worthy of your confidence.

Accept only Pape's Diuretic-fifty-cent offer is that he is to be paid for it if it upon the organs and glands affected, and treatment-from any drug store-anywhere cures and the one taking the treatment is

Though Tantalum has been known for century, it was not commercially useful "FRENCH ARE POOR LOSERS" of Minneapolis; Mr. and Mrs. E. Clarence

but the yearly output, amounting to sev -high efficiency, ability to withstand high

urrents and whiteness of light. Tantalum pens give promise of being the hard and elastic, but resist chemical action.

in sandstones, limestones and igneous enough to float a dirigible. Its greatest value, when alloyed rocks. with iron as ferrovanadium, is in the mak-

the resulting steel products. The automobile business has greatly increased the market for vanadium. The sociation des Industries de Locomotion spurs used in Sir Thomas Lipton's racing Aerienne, said in regard to the matter: yacht Shamrock III were of vanadium steel and so were those on Emperor William's yacht Meteor.

In the form of vanadic acid vanadium is used as a mordant in dying; in medicine in a European court of justice. Evidently under the name of vanadin it has a use; was 3,979 tons, in 1905 4,304 and in 1907 5,791 dates and tannin acid. It is also used in developing photographs in stained glass pure selfishness from Americans. was valued at \$500,000, and the market for and in a beautiful imitation of gold bronze. Uranium, in many respects the most interesting of all the rare medals, was recognized as an element in 1782 by the is uranite, commonly calley pitchblende,

Urantum is found in Joachimsthal, Boemia; in Saxony, Germany; in Cornwall, only within the decade that it has become only half or a third as much is required. England, and in Glipin county, Colorado. 1996 some prospectors working their way chemical reagents. It is highly valued in by Dr. Garrett in 1878. Its uses are not French aviators and, if necessary, to or- remembered. This was followed by mantles its presence is said to improve the properties of thorium, cerium and zirconium saits, applied for the same purpose. The entire world's production at the present time only amounts to about 300 tons of ore

> Colorado the ore has been shipped almost School of Mines at Golden, Colo., with a tice. It would teach the Americans a lespitchblende. The fund pays the assayer's America. bill. As a result of this generosity Colo- "For myself, after the experience of the

Pree Asthma Cure.

D. J. Lane, a chemist at 313 Lane building, St. Marys, Kan., manufactures a remedy for asthma in which he has so much confidence that he sends a \$1 bottle by express to anyone who will write for it. His to be the judge

Causes Turmoil in Paris.

FRENCH TRY TO RETALIATE

May Refuse to Send Airships America to Compete in the International Events This

Year.

PARIS, March 19-(Special to the Pubpen of the future, as they are not only figuratively "up in the air" by reason of the decision of the American courts in amidships-will permit ten guns to be fired Steel pens are both hard and elastic, but favor of the Wrights in the litigation over broadside and eight ahead or astern. The do not resist chemical action. Gold pens the aeroplane patents and the statement fore turrets are to be about eight feet resist chemical action, but are soft and by Orville Wright that the French are higher than the aft turrets, and the highest poor losers. The things which have been Vandajum in small qualities is distributed said about Mr. Wright have been hot

Whether or not the court proceedings will prevent the entry of French machines in ing of steel. The addition of from one- the international cup races to be held this tenth to one half of I per cent of fer- year in America is a question not yet derovanadium enormously increases the cided. It is feared, however, that it will strength, toughness and elastic limit of keep some of the French aviators out who otherwise would have been contestants. M. Esnault-Polterie, president of the As-

"I have no hesitation in declaring, with my French colleagues, that the recent judgment given by Judge Hand is iniquitous Such a decision would have been impossible only the American point of view is con waterproof black ink is made from vana- sidered, and it is not the first time that we have had to register an example of rulns and desolation, have ceased to visit

French Will Retaliate.

Frenchmen have contributed more than chemist Klaproth, who named it after the any other people to the progress and perfection of aviation, and it is unthinkable that the machines evolved out of their to bring the matter before the Association corps at Amiens, one of the most coveted des Industries de Locomotion Aerienne, posts in the French army, General Pic where it is said to have been discovered with a view of taking action to protect quart's role in the Dreyfus case will Two of its oxides produce pure ganize reprisals in view of the hostility to disgrace, then his reintegration black glaze for porcelain and some of its French aeroplanes in America. I do not army. Next he was chosen by M. Clemensalts are used in photography. It is a steel know yet what form such measures will ceau as his war minister, and now he is tardener, but is in no way superior to take, but where there's a will there's a further rewarded by being given one of In the manufacture of incandescent gas way, and you may be sure that in this case the most coveted appointments in the the will exists.

"In any case, I question whether French aviators will avail themselves of the A peasant woman named Redon at La-Wright brothers' kind authorization to valle. France, who concealed £5 in a losf compete with them this year on American of bread to prevent the money being stolen yielding from 3 to 13 per cent of the metal. French aeronauts that, in spite of a similar snatched from her by a dog, which ate it. soil. It is still present in the memory of while she was at market, had the loaf affirmation that they would receive good entirely to Germany for treatment. The Louis race, M. Santos-Dumont's baffoon Thomas F. Walsh has endowed the and the culprit was never brought to jusresearch fund for the special purpose of son if European aviators abstained 'en promoting interest among the mine opera- bloc' from all participation in the contest tors and prospectors in the search for for the Coupe Internationale if held in

rado is being carefully prospected for Wrights action and of other disagreeable and devoured the watch dog. indications of the feeling in America towards foreign sportsmen, I should not think of taking part in any contest there or of sending my machines across the Atlantic for such a purpose."

Americans in Paris.

Holmes, Nat and Minnie Boas of San

Francisco, L. Lehman of Oxnard, Cal.; A. Eleanor Shotter of Savannah, Ga.

New French Dreadnoughts. The six new battleships, plans for which have been accepted, will be among the most powerful afloat. They will have a displacement of 23,457 tons and will be armed with twelve 305-millimeter guns and twenty-two 138.6-millimeter guns. Their speed is to be between twenty and twenty-one knots, with a steaming capacity of 2,300 miles at twenty knots and 28,000-horsepower. The heavy guns, which are of the 1906 fifty-caliber type, firing a 440-kilogram melinite shell, will be disposed in pairs in six turrets. The lishers Press.)-The French aeronauts are arrangement of the turrets-four along the center line of the ship and one on each side placed gun will be nearly thirty-eight feet, while the lowest will be over twenty-on feet above the water line. The radius of fire of the guns in the center turrets will he 270 degrees and in the side turrets 180 degrees. The secondary armament will be arranged in eight independent batteries, each with a radius of fire of 120 degrees. The armor will consist of an armored beli 270 millimeters thick amidships and 180 millimeters thick at the two ends. armored decks will be seventy and forty-

eight millimeters thick. The battleships will cost \$2,680,000 each.

Plea for Tourists. The matin is worried over the aftermath of the flood. In a recent editorial it says: Foreigners, believing that Paris has be come, owing to the recent flood, a city of We us. Our theaters, hotels and restaurants Frenchmen still remember the Seldon af- are empty. Our pessimism has exaggerated. It is time we informed the foreigners that Paris is still Paris:

Pays to Be Honest. General Picquart has found that stand ing for principle sometimes at least brings its reward in this world. The man who brains should be condemned and barred at braved ruin for Dreyfus has just been apthe bidding of the two Wrights. I intend pointed commander of the second army French active army

Her Plan Poor.

Wild Beasts Raid Farms. Owing to the persistence of the heavy boars have left the woods in the vicinity of Clermont-Ferrand and are roaming around the villages terrorizing the inhabitants. No fewer than fifteen wild boars were killed in the canton of Pontgibaud alone recently. In one instance the famished welves penterated into a farmyard

Honor for Police Chief. Parislans derive great satisfaction from the fact that the Academy of Moral and Political Sciences has awarded M. Lepine. the prefect of police, its grand prix, valued Other leading aviators express similar at £600, in recognition of his splendid work during the days of the great flood, "honoring in him all those who, placed under Among the Americans in Paris this week his orders, have co-operated with the same have been Miss Eva Arthur, Edgar R. Ben- devotion in the relief work which he has nett and George T. Ghreist of Pittsburg; so splendidly directed.".

Small Lols was watching her mother working among the flowers. "Mamma," she said, "I know why flowers grow; they want to get out of the dirt."

Small Harold was unable to fathom the mystery of death and asked his mother about it. After she had tried to explain it he said: "Oh, now I know. When a mar dies it's for all the rest of his life."

The eye of a little miss was attracted by the sparkle of dew at early morning "Mamma," she exclaimed, "it's hotter'n l

hough it was.' What do you mean?"

Stern Parent-See here, young man, if you go skating again without my permis-

Minister-So you are going to school now, are you, Bobby? Bobby (aged 6)-Yes, sir. Minister-Spell kitten for me Bobby-Oh, I'm further advanced than that. Try men on cat.

Three of a Kind.

The other night Dr. Edward Goodrics Acheson was given the Perkins medal by the Chemists' ciub. The Perkins medal is an article of esoteric significance, bestowed upon a chemist who has largely distinguished himself during the last year. While the ceremonies were in progress a late comer entered the club room. Dr. Acheson was standing on the platform, with two other acientists at his side.
"Who," said the late comer, "is the party making a chest up there?"
The stranger whom he addressed said, in a tone designed to put the late comer in his place: "That is Dr. Acheson."
"Ah" said the unabashed person. "and

Not only is Mother's Friend a safe and simple remedy, but the comfort and healthful condition its use produces makes it of inestimable value to every expectant mother. Mother's Friend relieves the pain and discomfort caused by the strain on the different liga-

ments, overcomes nausea by counteraction, prevents backache and numbness of limbs, soothes the inflammation of the breast glands, and in every way aids in preserving the health and comfort of prospective mothers. Mother's Friend is a liniment for external massage, which by lubricating and expanding the different muscles and membranes, thoroughly prepares the system for baby's coming without danger to the mother. Mother's Friend is sold at drug stores. Write for our free book for expectant mothers.

THE BRADFIELD OO., ATLANTA, GA.

SEND US YOUR ORDERS FOR

Electrotypes and Nickeltypes

NICKELTYPES are best for fine engraving and work that is to be printed in colors

> Our facilities for quickly filling your orders in the highest type of perfection are unsurpassed in the West.

Our plant is installed with the very latest devices in modern machinery. Our employes are competent and reliable. We insure you the most satisfactory business relations

Great Western Type Foundry,

Cmaha, Nebraska.