# What Shall Be Done With the Corn Crop?

Store It in Air-tight Steel Reservoirs Is the Suggestion of a Chicagoan.

From the Times-Herald.

this year is estimated at the enormous duantity of 2,500,000,000 bushels. How can this colossal crop be saved for market and for food? Under present conditions of harvesting and storage it cannot be done. If the yield is abnormally heavy, the loss will be great in proportion. For as corn is the most to deleterious influences of all the cereals, and the least valuable when vitiated through these influences.

Because of the ease and abundance of its production in this country, little care is taken for the preservation of corn; no other cereal is so thoroughly neglected after it has been obtained from the soil. Thrown carelessly into rall pens or cribs, either imperfect! covered or not covered at all, it 's-comes wet, sour and musty, and is rarely preserved in a condition to riske sweet, wholesome food for man or beast. Out of a total of 4,219 cars of corn received in Chicago during the first half of December, 1894, only 212 graded up to No. 2. Even when corn comes to the commercial clavator in fair condition, it seldom remains so: through the multiplicity and crudity of handling, it is unavoidably exposed to moist air, changing temperature, and contact with vitiated grain, and becomes bitter in the germ, more or less musty, and incapable of producing

pure, sweet meal. In the last nine years, according to per cent, of the corn crop of the United States was entirely unmerchantable. This estimate is not restricted to corn used for human food; so restricted there must be added fully one urth of the corn sold as No. 2, and all fourth of the corn sold as No. 2, and below this grade. As ordinarily kept in wet, musty elevators, the degeneration goes on steadily from month to month, and even No. 2 corn will not grow if planted the next spring after inate is not in good condition for food. In fact, until our cereals are kept in air-tight receivers or reservoirs, there can be no perfect preservation.

To Preserve Food Products. Absolutely air-tight steel storage, it is claimed, is a complete solution of the problem of keeping corn and all other food products for any length of time to without deterioration. Lyman Smith, wh of this city, has perfected a system son of air-tight steel storage and pneumatic transfer, which he claims not only cheapens the saving of grain and other perishable commodities beyond all other methods in use by which the products of the earth may be kept intact, but also decidedly cheapens the trans-fer. The cereals at the same time are not only free from decay, but absolutely safe from injury by fire, weevil and other contingencies, and expense for insurance is entirely obviated.

The idea of air-tight storage for pre-serving grain and other food products seems to have been obtained from the ancient Egyptians. Edward W. Serrell, the well-known civil engineer of New York, has written Mr. Smith that some forty years ago his mother planted wheat in her garden which was taken from the stomach cavity of an Egyp-tian mummy, brought to New York for the Stuyyesant Institute Museum, and this wheat-probably 3,000 or 4,000 years old—grew and ripened, and the next year was planted again and grew and ripened. Then a quantity of this wheat this so secretly and so skillfully that was sent to the west for seed; it was grown in Oregon, and was known as ian any ever before seen though it was of dark color, made very good bread.

Seeds From Egyptian Mummy.

John G. Judd, a printer of Washington City, has informed Mr. Smith of a similar experience with seeds taken from an Egyptian mummy. He said: "It is nearly or quite fifty years ago that a mummy was unrolled from the that a mummy was unrolled from the air-tight covering in Exeter Hall, England, and within the rolls of the cloth was found a number of small round seeds, some few of which I obtained. seeds, some few of which I obtained. For a time they were kept as a curiosity only, but a relative begged them in order to test them. They were placed in the hands of a gardener, whose garden was on the road to or very near Hampstead Heath, and whose name, if I ever knew it, I have forgotten. The seeds germinated and turned out to be very fine sweet peas. I saw them in full bloom, and they matured seed, which was sold by the gardener next season as a curiosity."

season as a curiosity." In the saving of the cereal grains the ancient Egyptians, perhaps 4,500 years ago, understood the process of scaling securely in air-tight vessels or in rock caves. With the caves. With the decline of ancient civilization the art was lost, and not until the present century, through scientific exploration of ancient ruins. was it recovered; and not until the last few years was the idea reduced to practice in the sealing of perishable pro-ducts in air-tight jars and metal cans, by which both air and light were excluded; so that now we are able to ke such products in their natural state

from year to year.

In the case of cereals no progress has been made in our great elevators, so far as preserving them in good condition is concerned; in handling vast quantities of grain the aim has been simply to keep pace with the necessities of transportation by rail and water. No advance has been made in saving from leterioration over the farmer's oldfashioned cribs and granaries. now, with air-tight storage reduced to a practical system within the reach of may be expected.

The Cereal's Great Vainc.

When considered from almost every point of view, Indian corn at its best is found to be the most valuable grain in the world. It is more prolific than any other, one seed often yielding more than a thousand at a single planting. It contains oil, starch and sugar, the fat-tening properties, in greater degrees than any other cereal. With these principals are combined a sufficiency of nitrogen compounds to satisfy the ordinary needs of man and beast. All grains require a period for ma-uring after being harvested. Corn requires three months or more to ripen after being husked from the stalk. Therefore corn and all other food cereals should be thrown in air-tight fectly sweet and sound, and with a living germ, for any length of time, re-taining their normal moisture. Corn is in its best condition for food at the time of ripening, if it has been kept from deterioration by natural or arti-ficial causes. But whenever, from any cause, a food grain has become bitter, sour, musty or infested with weevil, it

is not only unfit for food, but positive ly dangerous to health.

How the Indians Kept it. The aboriginal American was taught to bury Indian corn in the earth below the depth of the frost. The frozen earth above excluded the air, and the corn came out in the spring sweet and containing its full normal moisture, every grain ready to germinate when planted in the moist earth as the temperature rose to the proper degree for planting. In the dry climate of ancient Egypt the cereals were kept intact by sealing them up in air-tight are and other receptacles. Herculare and Pompeli, uncovered in recept times, disclosed lessons taught by mature combining ago and forgotten by The aboriginal American was taught

man, out of which have grown the The corn crop of the United States modern canning industry in all its value of the corn crop of the United States modern canning industry in all its value. China or Japan. Now you can get only his year is estimated at the enormous ried forms. These methods are all effective, but so expensive as to be infallen in England. Silver wages have

> It is at least practicable to lay our great American cereal pure and undefiled in the maris of the old world; and when it becomes known there it is prime, the demand for it must increase with wonderful rapidity, and its consumption grow to colossal proportions. The average corn crop in the United States is about equal in number of bushels to the average wheat producbushels to the average wheat produc-tion of the entire globe. Corn furnishes ood for man in a greater variet; forms than any other product, so long as it maintains its purity. Hence the importance of perfect preservation. This can be accomplished by air-tight storage. Hitherto its accomplishment has been sought by the canalog process, which, it is said, is too expensive to be practicable except on a limited

The silos or reservoirs are built of homogeneous steel plates lapped and double riveted throughout, in a manner that renders absolutely air and water tight. When sung partly or entirely in the ground, these siles furnish ideal conditions for the preservation of ensileage, including a low and even temperature section of the preservation of ensileage. age, including a low and even tempera-ture, seclusion from air light and mois-ture, lire, insects, vermin, and other in-jurious influences, and consequent im-munity from heating, fermentation, molding, exidation and evaporation.

## SILVER IS HER FRIEND.

While Gold Countries Are Passing Through a Period of Depression Japan Is Flourishing.

W. E. Curtis, in Chicago Record. Miyanoshita, July 24.—Although there is a practical illustration of the single maturing. Corn that will not germ- silver standard system in national currency in Japan, which affords the deepest interest to every thoughtful man who comes here, I have said very little on the subject, and that has been only quotations from others, because wanted to study it from all possible points of view. It should be said in advance for a proper understanding of the situation that Japan attempted to maintain a single gold standard when the government was reformed some twenty years ago and failed. She then tried bimetallism, and theoreti-cally still adheres to that policy, but inglish speculators carried away all English speculators carried away and the gold long since, and she is now re-duced to paper currency, issued by the government, redeemable in silver, and therefore sharing the depreciaon and fluctuations which that metal

When you hold a dollar not of the bank of Japan or the national bank, which are two very large financial institutions under the auspices of the government, it is worth just as much as a Mexican silver dollar, which is really the standard of value in all Asia. When Japan coined gold it was at par with Mexican dollars in all the empire, but the latter coins were at a discount in the English colonies of Hong-Kong and Bombay. The specu-lators of the latter cities would, thereere, bring to Japan tons of Mexican before the public was aware of it Japan mummy wheat; it headed heavier had been actually drained of gold and had nothing left upon which to base a bimetallic currency. This trick caused a suspension of gold coinage, and it has would have been

There is no gold in circulation, or in the public treasury, or in the banks. You can buy gold coins at the curio dealers, and of the exchange brokers, and they make very pretty cun-bottons and bancles for bracelets, but they have ceased to be money and are only regarded as bric-a-brac. There is very lttle silver in circulation, but plenty

The Japanese coinage is based on the lecimal system and corresponds with that of the United States. A rin was originally the same as a mill. Ten rin make 1 sen and 160 sen make 1 yen, which used to be as good as a gold American dollar, but Is now worth about 51 cents. Therefore, a man who comes here from the United States or Europe with money that is at par with gold finds his funds almost doubled immediately. The salary of the United States minister, which is \$12,600 a year, becomes about 24,000 yen, because a yen es just as far in Japan now excenin the purchase of imported goods, as it did when it was worth a dellar. You can get the same amount of food and fuel, you can employ the same amount of labor, buy the same amount of clothing, and repts have not increased at all. But all foreign merchandise is bought and sold on a gold basis; that is, it has doubled in value. A can of American preserved ments which cost en a few years ago now cost 11/2 yen. a English hat for which you once ild 4 yen now costs 8. An English um-ella for which you paid 5 yen costs 16, and a plane which was worth fee yen now costs 1,000. The natural result is a decrease in the sales of forign merchandise and an increase in the use

Speaking as one who does not believe in silver money, nor in bimetallism un-less it be universally adopted and all less it be universally adopted and all the nations of the carth agree to maintain the value of silver. I must, nevertheless, admit that it is the uniform testimony of all concerned that the demonetization of the white metal by the repeal of the Bland law in the United States and the suspension of coinage in India was a great thing for Japan.

It is a practical question here, and all persons interested, including officials, bankers, merchants, manufacturers and agriculturists—the workingman does agriculturists—the workingman does not think, so he cannot be included— are anxious that the agitation shall continue indefinitely, lest the present prosperity of the empire terminate. A prosperity of the empire terminate. A few theorists, arguing from the standpoint of what ought to be instead of what is, insist that Japan shall join England, the Latin Union and the United States in an international agreement to maintain a certain parity between the metals, but it is by no means a popular idea. They are college professors, minority members of parliament, idle men who think and read a great deal and do nothing, and others who are entirely without practical experience or a knowledge of trade and perience or a knowledge of trade and industry. Most of them have been edu-cated in England and got their financial notions from reading the Times and the Economist.

The solid, wise men, who are govern ing this empire, say: "No; let the debtors and the creditors in Europe and America fight it out. Meantime we will saw wood. The longer England holds to a single standard the better 'twill be for Japan. We have no foreign debt. We owe nothing abroad. Therefore we do not have to buy sold to pay interest charges. The import trade is nearly all in the hands of foreigners, and we don't care how high foreign manufactured merchandise is. Cotton, iro and flour will stay down in sympathy with sliver, and it would be a good thing if nothing but raw materials were imported into Japan."

If the value of gold measured by sil

Great Britain will be compelled to remove to silver-using countries or lose their markets. There has already been a very large exodus of cotton manufac turers from Manchester to India, and I hear of the early transfer of two other large cotton interests from Manchester to Shanghal. The chief markets of Great Britain are silver countries and colonies which will insist upon paying silver prices for what they buy as long as they receive silver wages for their work, or they will make their own goods. Twenty years ago, even ten or five years ago, you could get as much for a silver dollar in England as in not increased in China or Japan. The sults of silver labor, however, sell for gold prices when they are shipped abroad. Thus the export trade is stimulated in these countries, and having to pay twice as much as formerly for foreign merchandise the people stop buy-ing abroad and supply their wants at

For these reasons you will notice that India, Japan, Mexico and other silver countries are not only much more pros-perous at present than the gold counries of Europe, but their domestic industries are greatly stimulated. In fact, financial and commercial depression is almost universal except in the countries I have mentioned, where there is nothing but silver money. Prices in England and the United States have Edigated and the United States and fallen with silver, particularly those of exportable products, while in Japan they remain the same. Cotton sells for about one-half what it did five years ago. Silk, which is cultivated with silver wages, bringstwice as much. Transportation charges have also fallen. Since silver was demonstized Japan not only gots twice as much for her slik but pays only half as much for her cotton and very much less for freight in taking the one to market and bringing the other here. While cotton fabries are cheaper it is just as profitable to manufacture them in Japan, because the raw material and freights are correspondingly so. There is no additional cost for food, rent and other necessaries of life. Wheat and flour are selling at less than one-half what they cost in 1875. Rice remains about the same. The price of labor in both hemispheres has remained almost stationary, but from the Japanese standpoint it has doubled in America and England, and from the European standpoint it has been reduced one-half in Japan.

Take the cotton industry as an example. The Japanese mills still pay is and 20 sen a day for male labor and 8 and 10 sen for women. In the Unit-ed States the same labor receives \$1.50 for men and 75 cents and \$1 for women. But one class is paid in silver, the other in gold. From a Japanese standpoint the Americans pay \$3 and \$1 for men and \$1.56 and \$2 for women. From the American standpoint the Japanese pay 9 and 10 cents for men and 4 and 5 cents for women. However one looks at it the difference is very wide, but the fabrics they produce sell for the same prices the world over. Therefore, while the outlay of one had doubled, that of the other has been diminished by one-

The American and European manufacturer has to pay the same rent, the same insurance, the same price for fuel, the same interest on borrowed money and the same taxes that he did ten years ago. Therefore the difference be-tween the cost of production now and then must come out of his dividends. and only by the most economical and skillful management can English and American manufacturers survive. On the other hand, the Japanese manufacturer has suffered no increase in fixed charges or in the cost of labor and gets double prices for his products. Where he declared 5 per cent dividends then he declares 10 per cent dividends now. The only disadvantage he suffers is the enhanced cost of new machinery, but the gold value of machinery has fallen with the decline of silver, so that nt do not represent more the investment that

would have been required ten years ago. The natural and irresistible result of all this is to attract capital into busi-ness. Old mills are being enlarged and new ones built. The output increases competition lowers prices, and the man who is working on a gold basis suffers more and more. This explains why the increase in cotton manufacturing has been so great in Japan. But it applies in an even greater degree to rice, which is another great staple, and in which here is some competition with southern states of America. Also to slik fabries, paper and stationery, and many other manufactured products

The first cotton mill was erected here in 1863 with 5,456 spindles. In 1883 there were sixteen mills with 43,700 spindles. In 1854 forty-six mills with 505,419 spin-There have been seven dies. There have been seven in a mills with 160,000 spindles already added this year, and several more are which will bring nearing completion, which will bring the number of spindles up to 711,000 before Jan. 1, 1896.

The forty mills in the city of Osaka 1894 paid an average dividend of 16 per cent. The highest was 28 per cent, and the lowest was 8 per cent. The difference was due to management. The yarn mills pay the best.

Great Britian and Germany have suffered more than the United States from the result of silver depreciation, because they have a larger trade abroad and a more limited market at home, and they have not only bec the victims of honest competition, but of dishonorable methods. A certain number of people in Japan, like those you find the world over, are fond of foreign goods. It is more a matter of vanity than of taste. The rise in the prices of imported merchantles. prices of imported merchandise pinched them, and to meet their de-mand the local manufacturers took advantage of the situation by imitating standard articles that had been brought from Europe in large quantities. They stole patents, forged trade-marks, produced goods of an appearance to deceive the public, and sold them at the old prices. There was much miserable stuff, but many of them were wonderful imitations. This was the severest blow that England and Germany have suffered, for the quality of the bogus articles, as well as the quantity, has improved by ex-perience, and the native manufacturers got a permanent hold upon a trade that is very valuable.

# LITERARY NOTES.

Pierre Loti's new book is entitled "La

Mrs. Ward'n story of "Bessle Costrell" is to be dramatized.
"Chimmic Fadden," our Bowery friend, is to make his bow on the stage.

M. Henr! Rochefort has evolved a novel under the name of "L'Aurore Boreale,"

Man of Moods."

Mrs. Amelia E. Barr's new novel is called "Bernicia." It is a story of the period of George II.

Emil Zola will have his romance on Rome completed by February next. It will be his longest work.

The two volumes of Dante Gabr et Rossetti's family letters, edited by his brother, will be brottsht out in this country by Roberts Brothers. Mr. Stevenson's "Letters to a Boy"-including his correspondence with his wife's grandson. Austin Strong—are to be pub-lished in the entertaining pages of "St.

Nicholas."
There is to be a new and uniform elition of Mark Twein's books, and the Harpers are to publish it. The first volume, "Life on the Missiscippi," will be brought out before the close of the year. Mrs. (Mary Anderson) de Navarro has known a great many clover and Gatin- assumes to be vicious, whereas is guished persons in Europe, and people are vulgar in a weak, pointless way.

coming with some curiosity for her forthAgain has Mr. Hardy changed the title
of his novel now in course of publication.
It was at first "The Simpletons;" it is now
'Heart's Insurgent," and it is to become
the book form "Jude the Obscure," The
volume will contain many passages which
have been omitted from the serial.

The "Carnation Series" is the
strength of the Series of th

awe been omitted from the serial.

The "Carnation Series" is the name given by Stone & Kimball to the various volumes of short stories which they are preparing for the autumn. The last announced is "The S.n Eater and Other Stories," by Frona Macleal. The nuthor is a nutive of the Hebrides, and her writings have a touch of Northern Osslande mysicism which is a new note in modern English letters.

Of late admost exercit, we of Storemen's

English letters.

Of late almost everything of Stevenson's has been "serialized." Indeed this is almost universally the fate of an innortant book nows-days. "Vallma Letters," which is to appear this actumn, a to be treated differently. Its publication by stone & Kimball in book form will be, uside from a short article, with a few extracts, in one of the managines, the first opportunity the public will have to see a record of the life in Samoa.

emphasized trait in the German make-up is its aversion and contempt for everything and everybody French. There's going to be a war over there, not far in the future either. Whatever may become of Russia, Italy and Austria in the fracas, one thing is sure, France and Germany will be against

"The chances now would look like Russia and France against Germany, Austria and Italy, with England fitting about the suburbs of the rumpus earching the pockets of all concerned

"Germany's kalser is not loved. He suffers from what is colloquially known as a swelled head. He is-in his estimation—an author, a poet, a warrior, the like of whom has not been seen since the bloody days of Attila, 'The Scourge of God.' "As a poet the kalser-who, by the

way also writes music—Is apt to make things go. He wrote a poem recently which I lingered over for hours. Not for its beauty exactly. You see, my German is a little rusty, and there's nothing swift about the aid you gain from Ollendorf. I tackled the kaiser's poem with Ollendorf. It took all one afternoon, but when I got through I thought very well of it.

thought very well of it.
"Some German students, however, went after it, and said it was not so good as poems which Goethe, Schiller, and several other German gentlemen had written.

"These critical students were being tried for high treason while I was there. The assumption is that they will like the Kuiser's verse better when he lets go of them. In view of their fates I was glad that—with the aid of Ollen-dorf—I liked the Kaiser's muse. in any town. The petroleum vehicles are light, more convenient in running.

The German public, as I said, does not enjoy its Kalser. He subordinates the civil to the military and keeps the populace more or less in a condition of mimic war. What I mean is this: While claimed Berlin in a state of siege. Every shop had to shut up; all work came to an end; traffic of all sorts had to clear the streets. It was like stop-ping the heart of a great city for twenty-four hours. What was the cause? Merely that the Kaiser was in a mood to frolle with the 25,000 troops stationed at Berlin, and the city must be swept clear and free of every scrap of business and litter of trade to af-ford him a playground.

"Going up the avenue of the Lindens one day my driver suddenly announced over his shoulder: 'Der Kaiser,' in a growling voice like a bear. It was the Kaiser's carriage coming. There were two officers as outriders, a sort of advance guard. The horses were coal black and loaded to the eyes with prance. The driver sat straight up like a ramrod. On each side of him sat an officer of the Kalser's household, epauletted to the ears; and like the driver, of the ramrod family. The Kaiser and his wife held down the rear seat of the carriage, which was built like one of our victorias. It was noticeable that as he came along not a cheer was raised; not a hand was clapped, not a hat was lifted. All was sober silence, and the street was crowded, too. It

gave me a very sinister impression: it would worry me if I were the Kaiser. "But if you want to see a change in a German or get any demonstration from him better than a shrug, mention the old Kalser Wilhelm. His eyes will light up like lanterns of admiration. At the name of 'Unzer Fritz' he will weep. But name the present ruler, he will be dumb, sullen, gloomy. It all gave me a bad impression.

"The European barber is the wors don, where you pay slx pence-as much as you would here—a felon with a razor as wide in the blade as a shee of writing paper and as sharp as the hoe of commerce, will set you up-straight, in a stiff, high-backed chair, tuck a back-number towel under your chin, lather you in a supercillous and uncomfortable fashlon, and then give you a series of rasps which bring beard, and flesh, and tears, and prefaulty from you all at once. Then he gives you another back-number towel and gruffly intimates you may wash your face and comb your hair to suit yourself. He's through with you.

"That's all you get out of an English barber. In Paris they are a little bet-ter: they treat you as braially and do as little for you, and do it as vilely as the London barbers. But they as least seem sorry for you in Parls; whereas the British barber exults in a morose, bloody way over the tortures he has inflicted and the rule he has wrought

"Paris is a delusion and a snare. Even its vices, which Paris prides itself on and which indeed make up the Paris-ian stock in trade, are shoddy and de-

"You hear a world-wide exclamation over the giddy dizzinceses of, say, the Moulin Rouse in Parls. American pa-pers will illustrate the doings at the Moulin Rouge. You are given to under-stand that Bacchus was a sedate citizen in the most proffigate days of Rome compared to the gods and god-derses to be met under full heads of steam at the Moulin Rouge.

"Don't you believe it.
"I got Mrs. Tarsney to go to church, and taking a preacher of the gospel to chaperon and protect us, a party of us-Americans-went out to 'do' the

project is on foot to apply the invention to fire and police patrel warens, hotel omnibuses and pleasure Augons.

A light land graceful buggy propelled by a gasoline motor has for three months past been tracersing the streets of Springfeld and adjacent country. This vehicle weighs only 600 pounds, much less than any so far constructed abroad. The mo or, which has a capacity of four horse-power is on the exflosion principle, but the gas is not manufactured in a carburetter before entering the explosion chamber, as is true in pearly all other patroleum mo-Moulin Rouge.
"It was a dreary affair; as dame as a flock of sheep. The riot and license exists only in the volatile minds of those who write for American papers. There was nothing about it which wasn't shabby, tawdry, weak, futile, and utterly tiresome. "And the Moulin Rouge is a fair

Successful Experiments Which Clearly Foretell an Age of Horseless Vehicles,

piece. Tourists have wandered over alf a dozen departments in them, and

These vehicles, perfect as they ap-

later devices of electricians. So far

those that have been constructed have proved too heavy and expensive

teries alone cost about \$500, They have undoubted advantages.

The are clean, noiseless and require no engineer or skilled operator, resembling in this respect the trolley and the cable car. But the excessive load of the batteries and the lack of facilities for recharging them will probable to the clean of the lack of facilities for recharging them will probable to the clean of the lack of facilities for recharging them will probable to the clean of the

hibit their use cutside of large cities for some time to come. Supplies of petro-leum and gasoline are to be obtained

these reasons they must take the pre-cedence for ordinary use until the in-

Take, for instance, the electric wagon of the Boston inventor. It is heroic in

its proportions, resembling an Englishbrake in general design, and is built

to outlast the "wonderful one-hose shay." It weighs 5,100 pounds and is undoubtedly the heaviest motor wagon

on the continent, rivaling in weight

the steam omnibuses of Paris. The general design of the vehicle is well

adapted to the purpose. The batteries contained in the body and under the front seat are extremely powerful, con-

sisting of forty-four chloride cells, with

a total capacity of two hundred am-pere hours, and an average discharge

rate of twenty-five ampheres. The motor yields four horse-power and three different speeds are obtained, the minimum being four and the maximum fourteen miles an hour. The owner has put this carriage through the paces in bill climbing and own his carriage through the paces

in hill climbing and over heavy road with most satisfactory results.

An electrical wagon in use in Phila-

delphia has run several hundred miles without an accident. As compared with patroleum vehicles it is rather

ponderous, weighing 4.250 pounds. The batteries weigh 1,600 pounds and con-sist of sixty chloride accumulaters, having a maximum capacity of thirteen horse power. From 50 to 100 miles can

be accomplished on one charge, according to the grade and speed, and the

maximum speed attainable is fiftee

by means of a wheel in front of the

friver.
The first electric wagon ever seen near

New York has just appeared in Brook-lyn. It came from the West, and is

as at present constructed has but on

seat. Eighteen hundred pounds of storage batteries of the chloride accu-

mulater type furnish the power, which is communicated to the wheels by a

matic lever detaches the power from the driving wheel without stopping the motion of the motor. On ordinary good

roads a speed of fifteen or eighteen miles an hour can be obtained, and for

seconding hills a reserve of twelve force power can be drawn upon. A run of fifty miles can be made with one

Lock Haven, Pa., is also a claimant for bonors in this direction. This wagen

is intended for hotel service. The seats on lengthwise, and under them are

four on each side. Though so few in number, these cells are said by the in

ventor to have sufficient canacity to un the wagon fifteen days of nineteen lours each, recharging themselves from

generator often gixteen candle power

the comforts of riding.
When the wagon stops or is running

down hill the generator returns the used up current to the batteries, thus economising power. It is claimed that on a good road a speed of tylenty-five mile an hour can be reached, and the project is on foot to apply the invention

harge of the batteries.

rawhide friction pulley running on steel flange attached to the inside of the rear wheels. When desired, an auto-

e invention of two residents of Kansas ty. It weighs about 3,000 pounds, and

the obstacles that electricity

ear to be, will have to give place to the

the taste is spreading every day.

proved too heavy an to find general sale.

Locomptives for the road and motor wagons of various kinds are not new in floaton, and the one propelled by electricity that is now attracting much actualized on account of the new hards.

mast universalty the fits of an investigation of the strainm, of a presentative which is to a present the artism, so to be which is to a presentative as the strainm of the margines, the first opportunity the public with a few extracts, in one of the marganize, the first opportunity the public with have to see a record of the life in Samoa.

A STATESMAN ABROAD.

Bright Observations of Representative Tarsney Concerning Some Phases, of Emropean Travel-Docsaft Take Much Stock in the German Emperor or the English Burber-Paris a Delusion and a Sanze.

Representative Tarsney, of Missouri, Just after his return from a three months' tony of the stock of Sampson.

Representative Tarsney, of Missouri, Just after his return from a three months' tony of the place of house. Clark the stock in the German Emperor or the English Burber-Paris a Delusion and a Sanze.

Representative Tarsney, of Missouri, Just after his return from a three months' tony of the place and part of the place of house. Clark the place of house. The control of the said: "Three months' tony of the place than the place of house. The control of the motor, of the motor, and it is his hard to the place of house. The control of the motor and the place of house. The control of the motor and the place of house. The control of the motor and the place of house. The control of the motor and the place of house. The control of the motor of the motor is the result of the motor of the motor. The control of the motor of t fice for a start, and others agree upon five minutes as the time required. Anyhow, it is a small affair, even if the horses have a sort of advantage plied to the engine through a small pipe by gravitation. The amount constant of the convenience, and after a vast amount proprience, and after a vast amount proprience, and after a vast amount. backward, except at great personal inconvenience, and after a vast amount of manipulation by the coachman. The petroleum carriage runs either way without protest. And in the matter of speed no mere horse can approach it. The average speed on good roads recommended by the manufacturers is something more than eleven miles an hour, and even greater claims are made for it. The petroleum in these engines is used as a fuel for the production of steam. They are as easily worke it as tricycle, probably easier. A novice, as many witness, is able, upon the first trial, to drive his carriage over two hundred miles in two days of tan hour, anders a many witness, is able, upon the first trial, to drive his carriage over two hundred miles in two days of tan hour, anders a complete the production of steam.

## FOOT BALL RULES.

Changes Suggested by Yale and Princeton to Be Repudiated by Harvard and Pennsylvania-Different Sets Will Make Confusion.

Confusion.

There is going to be a nice little imbroglio in the matter of foot bail rules this fall, says the Chicago Record. The American Intercollectate Foot Ball association seems to have met its death when Penngyivania and Wesleyan with drew, and it seemed a mockery for Yale and Princeton to continue the existence of the bedy. It now appears, however, that there is considerable rhyme and a good deal of reason in the association yearly publishes the rule book, and heretofore every college, school and athletic club in the country has played the game under the rule book of the association. It has been wondered whether Yale and Princeton

There is going to be a nice little imbroglio in the anice of the anice of the search at the foot and intermediate points at 2.5, 8.46, 5.16, 5.25, 2.15 and 10.25 a.m., 12.05, 12.0, 2.15 and 11.25 p.m.

From Many, Saratoga, the Adirondacks and Advantural at 5.45 a.m., and 2.20 p.m.

From Wilkes-Parre and intermediate points at 7.45, 8.45, 9.35 and 10.45 a.m., 12.05, 12.0, 2.15 and 11.25 p.m.

From Many, Saratoga, the Adirondacks and intermediate points at 7.45, 8.45, 9.35 and 10.45 a.m., 12.05, 12.0, 2.15 and 11.25 p.m.

From Many, Saratoga, the Adirondacks and intermediate points at 7.45, 8.45, 9.35 and 10.45 a.m., 12.05, 12.0, 2.15 and 11.25 p.m.

From Many, Saratoga, the Adirondacks and intermediate points at 7.45, 8.45, 9.35 and 10.45 a.m., 12.05, 12.0, 2.35, 4.06, 5.10, 6.05, 2.15 and 11.25 p.m.

From Many, Saratoga, the Adirondacks and intermediate points at 7.45, 8.45, 9.35 and 10.45 a.m., 12.05, 12.0, 2.35, 4.06, 5.10, 6.05, 2.15 and 11.25 p.m.

From Many, Saratoga, the Adirondacks and intermediate points at 7.45, 8.45, 9.35 and 10.45 a.m., 12.05, 12.0, 2.35, 4.06, 5.10, 6.05, 2.15 and 11.25 p.m.

From Many, Saratoga, the Adirondacks and intermediate points at 7.45, 8.45, 9.35 and 10.45 a.m., 12.05 rules for all foot ball in America. Such now appears to be their intention, "Aleck" Moffat, Walter Camp and other solons from the New Haven a New Jersey institutions have had th heads pretty close together recently, Pennsylvania and Cornell have tacitly agreed to a couple of changes in the rules, but these only to apply to games between these colleges.

Is Bound to Make Confusion. Here is a conflict at the very start Cornell and Princeton have a matel Cornell and Princeton have a match arranged. Under what rules will that match be played? When Pennsylvahia plays Lalayette Harvard meets Amberst, Frinceton Lebich and Vale has a game with the Crescouts. What rules will govern? It is bound to end in confusion and endless blokerings. Same colleges will accept the new Yale-Princeton rule book, and others will adhere to the carefully prepared rules of '94-rules that were made after the most careful deliberation by Yale, Princeton, Harvard, Pennsylvania and Paul Dashiell, who represented the experienced umpires and referees in the erionced umpires and referces in the

The three changes proposed by Prince on are these: First, that on a fair arch the man making the same shall

ton are these; First, that on a tair catch the man making the same shall have the privilege of choosing between a "free kick" and a down." This is an immaterial charge from last year's rules and the recent Harvard-Pennsylvania-Cornell agreement. Second, that, as last year, there should be three efficials—referee, umpire and linesman—any one of whom shall have the power of disqualifying a player for fouls. This, teo, is an immaterial change. Third, and this is where the rub comes in Princeton and Yalo propose that every ruther shall remain in his place in the line until after the ball has been put in play. This is radical, even unknown to old times, and opposed to every principle of American collect fugly. It does away entirely with the many profits and strategic places of Cyling interference round the end plays and general assistance for the backs, rudbments of the great and intellient game played by Pennsylvania, Harvard and Cornell and colled by guch strong miles an hour. The motor, weighing 300 pounds, is a nominal three-horse power, electric launch type, capable of developing for a short time nine full horse power. Steering is accomplished and Cornell and couled by such attong rams as those of Brown, Amberst, Dortmouth, Williams, Lebich, Lafay-lite, Virgin'a, Michigan, State, Cres-courts, Chicago and others without

> corent to the dictation of Vale and blaceton, willingly see their own serms weakened and the rame in genral deprived of much of its merits?

# ights. The motor dayelops three horse-power, peared to equal six. The ve-hicle weights 1,000 pounds, and is said to carry 3,000 pounds. The rubber tires, with which it is fitted, increase

MUNYON'S Phenmatism Care never ils to relieve in three hours and cure MUNYON'S Dyspepsia Cure is guarsteed to correct constipation and cure of indigention and stomach

rouble.
MUNYON'S Catarrh Cure soothes and MUNYON'S Catarth Cure soothes and reals the millicred parts and restores them o health. No failure; a cure guaranteed. MUNYON'S Kidney Cure speedily cures sains in the back, homs or groins and all forms of kidney disease.

MUNYON'S Nerve Cure cures nervousaces and builds up the system.

MUNYON'S Vitalizer imparts new life, restores lost powers to weak and debilitated men. Price \$1.00.

No matter what the disease is or how many dectors have failed to cure you, ask your druggist for a 25-cent vial of one of Munyen's Cures, and if you are not benefited your money will be refunded.

## RAILROAD TIME-TABLES

Central Railrond of New Jersey.

Central Railrond of New Jersey.
(Lebiga and Susquenanna Division)
Anthractic coal used exclusively, insuring cleanliness and comfort.

Trails Table in Effect June 2, 1233.
Trains leave Scranton for Pittston,
Wilkes-Barre, etc., at 8.20, 2.15, 11.20 a.m.,
1.23, 2.03, 3.05, 5.00 p. m. Sundaya, 2.03
a. m., 1.00, 2.15, 7.10 p. m.
For Atlantic City, 8.20 a.m.
For New York, Newark and Elizabeth,
8.20 express) a. m., 1.23 (express with Barfet parior car), 3.05 (express) p.m. Bunday, 2.15 p.m. Train leaving 1.23 p. m.
arrives at Philadelphia, Reading Termliad, 5.21 p. m. and New York 6.50 p. m.
For Match Chunk, Allentown, Bethlehem, Leston and Philadelphia, 8.20 a.m.,
2, 3.45, 5.09 (except Priladelphia) p. m.
Sunday, 2.15 p.m.
For Long Branch, Ocean Grove, etc., at
2.20 a.m., 1.21 p. m.
For Long Branch, Ocean Grove, etc., at
2.20 a.m., 1.21 p. m.

For Feading, Lebanon and Harrisburg, For Reading, Lebanon and Harrisburg, Via Allentown, 8.50 a. m., 1.23, 5.09 p. m. Sunday, 2.15 p.m.
For Federick, 8.20 a. m., 1.22 p. m.
Returning, leave New York, foot of Liberty rivet, Novich river, at 8.10 (express) a.m., 1.50, 1.30, 4.30 (express with Buffet parlor car) p.m. Sunday, 4.30 a.m.
Leave Philadelphia, Reading Terminal, 2.00 a.m., 2.00 and 4.30 p.m. Sunday 6.27 a.m. 5.69 a.m., 2.09 and 4.39 p.m. Sunday 6.27 a.m.

Through telects to all points at lewest rates may be had on application in advance to the ticket agent at the station.

H. P. BALDWIN.

J. H. OLHAUSEN, Gen. Supt.

Del., Lack, and Western.

Effect Monday, June 24, 1895.
Trains leave Scranton as follows: Express for New York and all points East,
1.40, 2.10, 5.15, 8.99 and 9.55 a.m.; 12.55 and 2.54 Express for Easton, Trenton, Philadel-phic and the south 5.15, 8.00 and 9.55 a.m., 12.55 and 2.35 p.m.

Washington and way stations, 3.55 p.m., Tobybanna accommodation, 6.10 p.m., Express for Binghamton, Oswego, El-min, Cornins, in h. Dansville, Mount Morris and Buffaio, 12.10, 2.35 a.m., and 1.71 p.m., making close connections at Buf-

p.m., making close connections at Buf-fals to all points in the West, Northwest and Southwest.

Eath accommodation, 9 a.m., Hundranton and way stations, 12.37 p.m., Nicholson accommodation, at 4 p. m. and 6 10 n. m. lingbamton and Elmira Express, 6.08 Express for Cortland, Syracuse, Oswege Liter and Richfield Springs, 235 a.m. and

tich and Richfield Springs, 2.33 a.m. and 1.21 p.m.
Hacen, 2.35 and Bath 9 a.m. and 1.21 p.m.
For Northemberland, Pitiston, WilkessEarre, Plymouth, Bloomsburg and Danville, making close connections at Northunberland for Williamsport, Harrisburg,
Ealtineore, Washington and the South.
Northemberland and Intermediate stations, 4.66, 8.55 a.m. and 1.20 and 6.07 p.m.
Nanticoke and intermediate stations,
8.65 and 11.29 am. Plymouth and interincidate stations, 3.60 and 8.52 p.m.
Pullman parisy and sleeping coaches on
all express trains all express trains
For detailed information, pocket time
tables, etc., apply to M. L. Smith, city
ticket office, 2st Luckawanna avenue, of
depot ticket office,



DELAWARE AND HUDSON RAIL-ROAD.

Commencing Monday, inv. July 39, all trains will arrive atnex Lack-awanna avenue station as follows:

Trains will leave Scrantermediate points at 220, 5.45, 7.06, 825 and 10.10 n.m., 12.00, 2.20, 2.55, 2.15, 6.15, 7.25, 2.10 and 11.20 p.m.

Eric and Wyoming Valley.

Trains leave Screnton for New York and intermediate points on the Eric rail-road at 7.50 m. m. and 2.24 p. m. Also for Honosdate, Hawley and local points at from Honesdale.
Train for Lake Ariel 5.10 p. m.
Trains leave for Wilkes-Barre at 6.29 a.
m. and 3.65 p. m.



L. & W. R. R., 6.00, 8.08, 11.20 n. m., and 1.30

Leave Scranton for Pittston and WikesParre, van D. L. & W. R. R., 6.00, 8.08, 11.29 a. m., and 1.35
p. m.

Leave Scranton for Pittston and WikesParre, van D. L. & W. R. R., 6.00, 8.08, 11.20
a. m. 2.50, 6.67, 8.52 p. m.

Leave Scranton for White Haven, HaEleton, Pottsville and all points on the
Beaver Meadow and Pettsville branches,
via E. & W. V. R. R., 6.00 a.m., via D. & H.
R. R. at 7.45 a. m., 12.05, L.30, 2.38, 4.00 p. m.,
via D. L. & W. R. R. 6.00, 8.08, 11.20 a. m.,
1.20, 2.50 p. m.

Leave Scranton for Bethlehem, Easton,
Reading, Harrisburg and all intermediate
points via D. & H. R. R., 7.45 a.m., 12.05,
1.29, 2.55, 4.00, 11.30 p. m., via D., L. & W. R.
R., 6.00, 8.08, 11.20 a. m., 1.20 p. m.

Leave Scranton for Tunkhannock, Towania, Elmira, Hanca, Geneva and all
intermediate points via D. & H. R. R., 8.45
a. m., 12.05, a. m., 1.20 p. m.

Leave Scranton for Rochester, Buffalo,
Ningara Pulls, Detroit, Chicago and all
points west via D. & H. R., R., 8.55 a.m.,
12.05, 8.15, H.38 p.m., via D., L. & W. R.
R. R., 8.08, 9.55 a.m., 1.30 p.m.

Leave Scranton for Rochester, Buffalo,
Ningara Pulls, Detroit, Chicago and all
points west via D. & H. R. R., 8.55 a.m.,
12.05, 8.15, H.38 p.m., via D., L. & W. R.
R. R., 8.58, 9.55 a.m., 1.30, p.m.

For Elmitra and the west via Salamanca,
via D. & H. R. R., 8.55, a.m., 1.20, p.m.

Pullman parlor and sleeping or L. V.
chair cars on all trains between L. & B.
Junction or Wilkes-Barre and New Yerk,
Philasdelphia, Buffalo, and Suspension
Bridge.

ROLLIN H. WILBUR, Gen. Supt.

CHASS LIEE Gen Parsa Art Phila De.



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