#### FOURTH DAY OF THE FAIR.

Fully Twenty-Five Thousand People See the Sights.

AWARDS MADE FOR FINE STOCK.

List of the Fortunates Who Carried Off Red and Blue Ribbons-The Exhibit of Hargreaves Bros. - Fair Notes.

[FROM THE BEE'S LINCOLN BUREAU.] Twenty-five thousand people was an honest estimate of the attendance at the state fair grounds yesterday that furnished a crowd sufficient to make a smile spread over the faces of the managers. The attendance yesterday was of sightseers of the fair proper, and never before during the week has as much attention been given the buildings, the stock and the individual exhibits. The excursion trains came loaded, and they were people who came to see the fair more than the races. It was to exhibitors the busiest as well as the most satisfactory day of the great fair. Though the crowd was not so large as the day before, they all seemed as anxious to take in the sights as did the people who came the first day. In Agricultural hall the awards are being made, and, as usual in such cases when the competition is large, many are disappointed. However, the judges are honest and are trying to do what is right in the matter.

Art hall continues to be the leading resort, for ladies especially, and Major Hastings feels quite proud of his class of sight-seers. One of the novel sights in this hall is a lady in one of the musical departments who plays the violin finely. While she is performing it is almost impossible to move the crowd from her

The following awards were made in the Dairy department:

Farm dairies. Granulated butter—M. W. Rulitson, Lincoln, first premium, \$3. A. G. Porter, Lincoln, second premium, \$2.

Packages Made at Any Time—A. G. Porter, Lincoln, first premium, \$10; F. J. Rogers, Lincoln, second premium, \$5.

Made in June—F. J. Rogers, Lincoln, first premium, \$5; A. G. Porter, Lincoln, second premium, \$5.

Prints or Rolls—F. J. Rogers, Lincoln, first premium, \$5; Ida Skinner, Raymore, second premium, \$5.

Creamery Butter—Best two packages, thirty pounds each, Sutton creamery, Sutton, first premium, \$15. Wayne creamery, Wayne, second premium, \$10.

Granular Butter—Sutton creamery first premium, \$20. Wayne creamery first premium, \$20. Wayne creamery second premium, \$20. Factory-mada Cheese—Best two lots flat these Alva Counts Fairmont forst reasons. following awards were made in

Factory-made Cheese—Best two lots flat beese, Alva Loomis, Fairment, first pre-nium, \$10. J. O. Chamberlain, Inavale, sec-

pand premium, \$5.

Best Young America Cheese—J. O. Chamberlain first premium, \$10. No second.

Home-made Cheese—F. S. Fulmer, Glb-bon, first premium, \$10. G. W. Ward, Osce-bla, second. \$5.

Best Display of Cheese—J. O. Chamber-sein, diplows.

Best Display of Cheese—J. C. Chamberlain, diploma.

The following premiums have been
awarded in Class 2 lot 10.

Dr. O. C. Wiggins, Wyoming, Neb., bull
three years and over, second premium.

Dr. O. C. Wiggins, Wyoming, Neb., bull
one year and under two, first premium.

Dr. O. C. Wiggins, Wyoming, Neb., bull
one year and under two, second premium.

Dr. O. C. Wiggins, Wyoming, Neb., bull
calf, first premium. alf, first premium. Dr. O. C. Wiggins, Wyoming, Neb., cow

two years and under three, first premium.
Dr. O. C. Wiggins, Wyoming, Neb., cow
two years and under three, second premium.
Dr. O. C. Wiggins, Wyoming, Neb., heifer one year and under two, first premium.

Dr. O. C. Wiggins, Wyoming, Neb., heifer caif, first premium.

Lot 3-James Busly, Hastings, Neb., bull

calf, first premium.

E. W. Nelson, Tecumseh, Neb., bull three years and over, first premium

James Busly, Hastings, Neb., bull three years and over, second premium. E. W. Nelson, Tecumseh, Neb., bull and five of get, first premium.

E. W. Nelson, Tecumseh, Neb., helfer calf, iret premium.

M. M. Edgar, Dillon, Neb., bull, two years

and under three, first premium.

M. M. Edgar, Dillon Neb., heifer, one year
and under two second premium.

M. M. Edgar, Dillon, Neb., heifer calf, sec-LOT 7-DEVONS. Rumsey, Bros. & Co., Emporia, Kan , best

Rumsey, Bros. & Co., Emporia, Kan., best buil three years and over, first premium. Rumsey Bros. & Co., Emporia, Kan., buil, the and under two, first premium. Rumsey Bros. & Co., Emporia, Kan., bull, re and under two, second premium. Rumsey Bros. & Co., Emporia, Kan., cow, three years and over, first premium. Rumsey Bros. & Co., Emporia, Kan., cow, three years and over, second premium. Rumsey Bros. & Co., Emporia, Kan., helfer, two years and under three, second premium. Rumsey Bros. & Co., Emporia, Kan., helfer, one and under two, first premium. Rumsey Bros. & Co., Emporia, Kan., helfer, one and under two, second premium. Rumsey Bros. & Co., Emporia, Kan., helfer, one and under two, second premium. Rumsey Bros. & Co., Emporia, Kan., bull calf, first premium.

Rumsey Bros. & Co., Emporia, Kan., bull any age, first premium.
Rumsey Bros. & Co., Emporta, Kan., bull, and three of his own get over one year, first

Crow & Bellows, three years and over, first Crow & Bellows, buil call, second pre-Crow and Beliews, bull, and three of get, first premium. Crow & Bellows, cow. three and over, first remium. Crow & Bellows, bull any age, first and second premium. Crow & Bellows, cow any age, arst pre-

E. C. Hill, Stella, cow. three years and ver, first premium. E. C. Hill, Stella, bull, three years and exer, first premium. E. C. Hill, Stella, helfer calf, second pre-

LOT S-POLLED ANGUS.

W. M. D. Lee, Leavenworth, Kan., bull two years and under three, first premium.

W. M. D. Lee, Leavenworth, Kan., cow W. M. D. Lee, Leavenworth, Kan., cow three years and over, first premium.
W. M. D. Lee, Leavenworth, Kan., cow three years and over, second premium.
W. M. D. Lee, Leavenworth, Kan., cow two years and under three, first premium.
W. M. D. Lee, Leavenworth, Kan., cow two years and under three, second premium.
W. M. D. Lee, Leavenworth, Kan., heifer one year and under two, first premium.
W. M. D. Lee, Leavenworth, Kan., heifer one year and under two, second premium.
W. M. D. Lee, Leavenworth, Kan., built any age, first premium. W. M. D. Lee, Leavenworth, Karf., cow

A. D. Lee, Beatrice, Neb., bull, four cows or helfers over one year, first premium.

1.07 5-RED POLLED CATTLE.

J. W. Gavitt, Humboldt. Neb., cow three years and over, first premium.

1. F. Ross, Iowa City, Ia., bull three years and over, first premium. and over, first premium.

J. F. Ross, Iowa City, Ia., built two years and under three, first premium.

L. F. Ross, Iowa City, Ia., bull one year nd under two, first premium. L. F. Ross, Iowa City, 1a., bull under one

groceries that can be imagined, the long gyramids of canned goods being especially attractive, while a thousand and one little things in all variety decorate the entire display in the most pleasing manner, and the firm have in their display given especial attention to the year first premlum.
I. F. Ross, Iowa City. In., cow, three years and over, second premium.

PL. F. Ross, Iowa City, Ia., cow or heifer, two years and under three, first premium.

L. F. Ross, Iowa City, Ia., cow or heifer, two years and under three, second premium.

L. F. Ross, Iowa City, Ia., heifer, one year and under two, first premium.

L. F. Ross, Iowa City, Ia., heifer, one year and under two, second premium.

L. F. Ross, Iowa City, Ia., heifer under one year, first premium.

L. F. Ross, Iowa City, Ia., heifer under one L. F. Ross, lowa City, fa., bull of any age, drat premium. I. F. Ross, Iowa City, ia., cow or helfer

NOTES AND PERSONALS. President Barker was the recipent of an elegant pyramid of cut flowers at the close of the great day, Wednesday. The present was from the State Horncultural any age, first premium.

I. F. Ross, Iowa City. In., cow or betfer

to call and see them.

J. W. Dean, Marysville, Mo., fat steer any age, second premium.

J. W. Dean, Maryaville, Mo., herd of fat cattle not less than five, second premium.

R. Daniels, Gilmore, Neb., best fat steer,

years, first premium. R. Daniels, Gilmore, Neb., best cow, first

CLASS 18.

Best herd of Jersey cattle in Nebraska—A.
D. Lee, of Beatrice.
Premium of fine Jersey cow by American

shoes.

NEBRASKA BRED PERCHEEONS.

One of the great features at the fair and that add much to the fact that Ne-

braska is abreast of all older states in the

progress of permanent stock work is the collection of imported and Nebraska bred Percherons exhibited by Mark M. Coad, of Frement. There is always a long row of spectators before the stalls occupied by Mr. Coad's stock and hand-

somer thoroughbreds cannot be found on

the ground than those exhibited by him.

The fact that equally as line horse flesh
can be reared and bred in Nebraska as
in any state in the union is illustrated by

the exhibit of Mr. Coad and the premium

this stock is taking. One of the great contests in the horse ring was for the

best five colts, the get of one stailion. In this contest Mr. Coad took first premium,

showing five suckling colts, thorough-breds, that were as handsome as could be desired. The value of this purely

Nebraska contest against the world was illustrated in the fact that they were

shown against five colts entered by Mr. Elwood, of DeKalb, with the difference that Mr. Elwood's colts were two-year-olds while Mr. Coad's were not

over six months old on an average.

After Mr. Coad had taken the first premium Mr. Elwood congratulated him on the stock and said he was entirely satisfied with the award; that they were

tive as handsome colts as he had ever seen. If this is not a feather for Nebraska

and an illustration that the state can

breed in its own borders as handsome stock as the best of them, the judgment of the BEE goes for naught. These five colts were sired by Henri Le Blanc, the stallion that heads Mr. Coad's heard of

Percherons. Le Blanc was imported from France direct by Mr. Coad, and was

French stallion Rustique and his dam, Malice. Another premium taken by Mr.

Coad was, first premium on three-year-

old mare Negra, one of his imported mares

and perfect. In two-year-old stallions
Mr. Coad took second premium in a contest against twenty other entries. In
yearling stallions he also took second

premium in a contest with twelve entries. In horse colts, Percherons bred in Ne-

braska, Mr. Coad took both first and sec-

ond premiums, and in mare colts. Percherons bred in the state, first and second

premiums were also taken. The Percheron Association of America offered at

this fair a fine gold medal for the best Percheron stallion born and bred in Ne-

braska. This gold medal goes home with Mr. Coad, his young stallion De Lesseps being awarded the medal, and the award

was considered by all as worthily be-stowed. Mr. Coad has on his Percheron

the great breeders of the state with such

Mr. Coad is entitled to congratulations

over the successful results of purely Ne

braska bred thoroughbreds as fine as the

EXHIBITS OF A SUCCESSFUL FIRM.

hall is the display made by the successful firm of Hargreaves Bros., who, in Lin-

coln's wholesale trade, stand second to none in volume of business and success-

ful business results. The firm hos been

built from the ground up in Nebraska and in the city of Lincoln, and they com-

most satisfactory results, both to the

selves and their nundreds of patrons. Mr. A. E. Hargreaves, the senior of the firm, commenced at the foot of the ladder in

handling fruits in a small way, and one

of the prominent branches of their trade now is their handling of California fruits

that have grown from a small begining to gigantic proportions. The shipping records will show that there is not a firm

in the west that handles more fruit than

Hargreaves Bros., and their patrons, who

are scattered over a wide extent of terri-

tory, will attest to the satisfactory man-

ner in which Hargreaves Bros. handle this

branch of their business. In every de-partment the same care is used as in the

nandling of their truits. This firm owns and occupies one of the handsomest

buildings in the city. A four story brick, fifty feet frontage, that is packed from

basement to attic with the immense stock

of goods that they always carry. A large force of men are employed on the road and the annual output of the house can be appreciated by those who witness the

loaded cars that arrive and depart daily from their business house. At the state

fair this firm has illustrated its energy

and enterprise in an exhibit that receives marked attention. Nearly in the center of the hall their exhibit is located and it

comprises everything in the line of fancy

Seward Canning company, whose goods they handle and are pushing to the front in the markets of the west. It is noticable with Hargresves Bros., that the

great public appreciate home products

and the firm enters to this trade by placing in the markets the choicest of Ne-brasks canned goods for which the state

is now famous with all wholesalers. The display of the firm is in all departments handsome and attractive and the doors of Hargreaves Bros., wholesale house are

wide open for dealers who visit the city

One of the handsome exhibits in Art

country produces.

from France and a beauty clean of limb

society and was accompanied with a card presenting the compliments of the state horticultural society and stating that the design was by Mr. Benedict Hass, of Omaha. Omahs.

Congresswan McShane was a visitor at the fair grounds yesterday.

Dr. R. R. Livingston and B. E. B. Kennedy, of the state lish commission, were visiting at the grounds yesterday.

The officers of the fair all feel very jubilant over its unprecedented success and especially thankful for the beautiful days which have been granted and done much for them in making it interesting as well as a financial success in every first premium. R. Daniels, Gilmore, Neb., best fat cow, first R. Daniels, Glimore, Neb., best fat cow, sec-R. Daniels, Gilmore, Neb., best late over second premium.
R. Daniels, Gilmore, Neb., herd of fat cattle not less than five, first premium.
R. Daniels, Gilmore, Neb., bull and four cows over one year, first premium.
R. Daniels, Gilmore, Neb., bull showing best five caives, first premium.
R. Daniels, Gilmore, Neb., bull over two years of the premium.

as well as a financial success in every

particular.

Jay-Eye-See is to trot again on Friday especially to accommodate the thousands who were unable to see him on Wednesday, and the society does not expect to make a cent out of this trot. Secretary Furnas continues to maintain his good nature and affable disposition. His popularity is only exceeded by his ability to run the biggest and best fair in the United States

Premium of fine Jersey cow by American Jersey Herd company.

Best collection not less than five varieties Nebraska fruit, J. H. Masters, Nebraska City.

Union Pacific special premium, \$5.

Largest and best display grasses and grain, first premium, B. E. Lemon, Fort Calhoun.

Best collection of corn, first premium, B.

E. Lemon, Fort Calhoun,

Best collection Nebraska fruits, first premium, B. E. Lemon, Fort Calhoun'.

Largest and best collection corn, first premium, J. W. Bouk, Greenwood, Neb.

Largest and best arranged collection of grasses and grain west of the 100th meridian, first premium to Robert W. Blake, Long Pine, Neb., Union Pacific special, \$10.

For largest, in amount and variety, and best collection of grains and grasses of Nebraska, whether by association or individual, first premium to Robert W. Blake, Union Pacific special, \$15.

J. J. Lowery, of Fremont, Neb., was awarded first premium on his exhibit of horse shoes. ability to run the biggest and best fair in the United States.

The fishery exhibit lost one of their most popular articles in their mermaid. The party owning it, being obliged to leave, insisted on taking it with him, much to the disappointment of Messrs. May and O'Brien, who had expected to have it in their exhibit during the entire fair. However, they promise to purchase fair. However, they promise to purchase or secure it by some hook or crook next year and not be subject to the whims of

some old seaman.

J. J. Lowery, who was awarded first premium on his horse-shoe exhibit, yesterday received an order for a set of shoes from Edward Bither, the trainer and driver of Jay-Eye-See.

Hon E. Rosewater, editor of the BEE, was a visitor at the state fair grounds

yesterday.
It is stated that the time credited to Rarus from the judge's stand as being made at Toledo was made at Omaha, the

time being 2:16. Senator Manderson and ex-Senator Saunders, were among the Omaha visi-Mr. Bither, the driver of Jay-Eye-See, states that if the day is as good to-day as it was Wednesday that he is confident Jay-Eye-See will lower his Wednesday record from one to two seconds.

The traction engines that hold the

exhibiting their maneuvers yesterday, the J. J. Case engine taking first prize. There is nothing that is surrounded with a larger group of spectators than the herd of builalos, the relics of the state

twenty years ago.

Nothing will be taken from the grounds until Friday after 4 o clock p. m., so that those who have not attended the fair will have just as good opportunities of seeing the last day as the first. It is expected that a magnificent crowd will greet Jay-Eye-See to-day.

The battery from Fort Leavenworth

have given some very fine exhibition drills that the visitors to the fair have greatly appreciated. Not only are the crowds pleased with the battery, but the battery is pleased with the reception Lincoin has given it, and they have publicly expressed their thanks and made comparisons in regard to their reception in Micola and Omaha not flattering to the latter place.
The exhibit in crayon and oil work in

Art hall are exceptionally good, and a great attraction over former years and admired by all. Fine art is evidently on a horse approved by the government of France. Le Bianc's registered American number is 4543, and his registered number in France is 2433. Le Blanc's sire is the famous the increase in Nebraska.

One of the fakirs handling a side show

expedited business by telling children to walk right in and see the show and then making them pay when they came out. President Barker visited the fakir and promptly ejected him from the The jam at the fish commission exhibit

is simply prodigious, and as an interesting exhibit it is not excelled on the Jay-Eye-See's stalls were surrounded

by a crowd all through the day yesterday, and if an admission to see the horse had been charged, a small fortune could have been made.

The complaint made of an over-

crowded reporter's stand at the great race Wednesday, should not be laid up against the management. The trouble was that newspaper men who had badges gave them to outsiders and some newspaper men worked the clerk in charge of press badges on their complimentaries to the extent of half a dozen or more. Wednesday's receipts alone met all ex-penses of the board, both for expense

farm at Fremont 170 head of imported and high grade horses from which his stock exhibited was selected. The fact that Nebraska has a breeding farm of this magnitude and one that can and premiums. It is safe to say that the state board will have a surplus of \$25,000 in the treasury ready for a rainy day. Fish Commissioner May wears a nobby scarf pin that he has just received from Tiffany's. It is a enter the state fair and compete with all jeweled fish in design and a more expena showing of premiums as they made this year, is a fact that above any other sive bit of jewelry probably is not to be seen in the state. shows the progress the state is making in mature work in the breeding line and There was not a serious accident of

any kind or character on the grounds Wednesday which, considering the crowds, was something remarkable. In the city also no accidents were reported. The second trot by Jay-Eye-See has been liberally addvertised for to-day and there will undoubtedly be a very large attendance. Jay-Eye-See was in good condition yesterday after his great day's work of the day before and will un-doubtedly make a fine appearance to-

day.
Fred A. Wilson, traveling salesman for John Morris & Co., manufacturing mand a trade that permeates to all sec-tions of the state and crosses the lines into Kansas and Colorado territory. In stationary, Chicago, occupies a promi-nent place in Art hall with a fine line of goods carried by his house which well merits careful inspection. This place has become headquarters for bankers all first class groceries the firm carry on a magnificent business and in all classes of stock their trade is increasing with the

and county officers.

H. E. Whitney and Lou Loomis, of Council Bluffs, the former with the Washington Insurance company and the latter the Altman Taylor Co's wide awake western representative, were spectators of the Jay-Eye-See trot Wednesday.

W. J. Hesser, of Plattsmouth, the

veteran florist, has a magnificent exhibit of palms in Floral hall that eclipse any exhibit of its kind on the ground won first premium at Omaha.

The Situation in Honolulu. A private letter from Honorulu gives some interesting facts in regard to the situation there since the king agreed to the new constitution. The English newspapers in Honolulu give none of these

facts because the League, which has be-hind it the Honolulu rifles, has com-pletely bulldozed the press. Not even ordinary court proceedings are allowed to be published. Not even a single journal dared produce the comments of American newspapers on the recent up-"The truth," the correspondent de

clares, "is, that a change has simply been made from the tax government of Kalaukua to a military oligarchy, of which Colonel Ashford, leader of the rifles, is the head. Ashford's brother is attorney general, and, between the two, they run the present government. They are backed up by a council of thirteen, chosen by the league, who enforce their laws. The better class of foreigners are becoming very restive under this military dictation, and on election day, September 13, a split among the foreigners is sure to occur. The reform party has nomi-nated a good ticket for the legislature and its success is assured, and among the and its success is assured, and among the natives there is much ugly feeling shown. Many refuse to sign the new constitution, and will, therefore, be disfrauchised. These malcontents are being egged on by Kalaukua's agents, whose object is to stir up disaffection. So although there is peace on the surface, Honolulu, in a political sense, is a good deal like s latent volcano, ready to break forth at any time."

Appropriately Named, Colgate's Cashmere Bouquet perfume combining the odors of many sweet flow

ELECTRIC STREET MOTORS.

A Style of Travel That is Pushing Its Way In This Country.

VARIOUS SYSTEMS NOW IN USE.

An Electric Road in Alabama-Many Similar Roads in Different States -A Still Unrxplained Mystery.

The Montgomery (Ala.) Register of a recent date grows ecstatic over the final disappearance of the mule from that city as a motor for street car traction. The fifteen miles of street railway in Montgomery are now operated entirely by the electric motor, a force which the Advertiser declares to have great advantages over mule traction, it being able to draw several cars to the mule's one. At the time when the Advertiser article was written the overhead conducting wire used for the electric current had not yet fallen down and killed a horse driven by one of the ex-governors of Alabama. This was an eyent of later date. But had the accident occurred before the announcement of the disappearance of the mule was made, it could hardly have dampened the enthusiasm of the writer. He would have maintained, very justly, that the horse might have been kicked by a mule, and so perished in any event. Fifteen or twenty horse power, no matter what the form in which its energy is displayed, is a dangerous force to meet in an irregular contest.

There is no doubt that the electric motor for street railways has passed be-

vond the experimental stage. In a small way it has been in use in Europe since 1881, a track one and one-half miles long, with two cars, having been a sort of plaything in Berlin from that date to the present time. Another road one mile in length, with the same number of cars. was opened in Brighton, England, in 1883, and during the same year and the year following several short roads were constructed in different parts of Europe. Two of the German mines also, one since 1882 and the other since 1884, have been furnished with tracks a few hundred yards long, on which electric mo-tors are used. But these roads were all small ventures, and though the number of passengers carried was sometimes considerable, the experiments were hardly to be considered as final tests of a complicated engineering problem. The solution of this problem, like the solution of so many other problems that involve inventive skill, has been reserved for men working under the inspiration of American patent laws. The commercial utility of the electric motor on prolonged lines of street railway has been very well demonstrated in this country during the past two years, and the work of constructing new roads and changing horse roads to electric roads

goes rapidly forward. Electricity as a motor for street railways has now only one rival. The horse has the nine points of law in but possession can hardly be allowed to weigh against all his manifest disadvantages. He has an expensive stomach, requires a great deal of care, takes up too much room, and is not noticeably clean. His first cost, also, when his liability to default on his life assurance scheme is taken into account, is nearly as great as that of the electric motor. For a new and unequipped road, therefore, he can affer no advantages in economy. The electric motor has no rival in the horse, and it has no rival, ap-parently, in the various plans for com-pressed air traction which have been pro-posed. Its only rival is the cable system, a system which works well and has been proved to be economical, but which has not yet captured the field and seems to be handicapped in its efforts at getting possession of the streets.

The disability of the cable system is in its first cost. A road that calls for \$86,000 per mile in construction must be sure of a very traffic before the money can be There are probably only a few of the leading cities in the union where a cable road could be operated with suffcient gross receipts to pay the interest on the investment and leave a satisfactory mar-of profit for the stock-ers. Cable roads can be opevated profitably where a horse railroad would be profitable. But horse railroads are usually very unprofitable in third-class cities, and, except upon a few streets, not very much of a bonanza in cities of the second class. The field for an \$80,000 per-mile railroad seems to be extremely limited when the ground is contested by a system that costs very little more than well-equipped horse road, and whiel will yet cost in operating expenses, if the testimony of experience can be trusted not so very much more than a cable

At all events the horse must go, and there is good reason to think that the electric motor is making much more rapid progress in the United states on street railways than the cable system. In Richmond, Va., a well-known company is equipping twelve miles of road, on which forty cars are to be run. The same company is equipping roads also at St. Louis, Boston, Woonsocket, Baltimore, St. Joseph, and various other points. At Pittsburg three roads are under construction. Binghamton is to have a road four and a half miles long, operating eight motor cars. At San Diego a road is being constructed nine miles long, over which four forty-horse power motor cars are to furnish traction. But these are only a few of the more prominent enter-prises. Not less than lifty-five or sixty roads are under construction or projected in the United States, and movement is continually extending. What will prove to be one of the heavest industries in the country is apparently springing up as a consequence o the introduction of electricity as a rail

way motor. There are three different systems of transmission in use, the first on overhead wires and the second over wires placed in conduits, while the third is operated by means of accumulators or storage batteries. As usual in this country in the introduction of new inventions, the system which is least expensive and compli-cated will be first in securing possession of the field. This is known as the overhead system. A hard-drawn cepter wire of small size but great tensile strength is suspended about eighteen feet above the tracks, where it is supported either by a bracketed post set in the curb or by special supports on lateral wires which cross the street from side to side. In distributing the current the rails are generally grounded, and form one side of the circuit, but in case the connections be-tween the rails is not good they are re-en-forced by a continuous conductor. A trolley which is connected with the engine. In some systems the motor is laced under the car in such manner that no space is lost and no detached motor needed; but in other devices the motor is detached and resembles a steam locomo-tive in its methods of operation.

The conduit system, the system which it is proposed to apply on the Fulton street road in this city, is hardly to be called more complicated than the overhead system, but the first cost will be necessarily somewhat greater. It seems also that greater difficulty will be experienced in meeting the obstructions caused by wintry weather. But this is an obstacle to be met and overcome by the resources of invention. For large cities and in crowded streets it must be found more available than the overhead

system, with its apparently greater liability to accident.

It is hoped by electricians that the system of storage batteries or accumulators, carried on the cars and securely packed away under the seats, may eventually be utilized to an extent that will render any controls mechanism unnecessary. This

outside mechanism unnecessary. This seems to be the ideal system, but it does not yet appear to be sufficiently perfected to enable electricians to dispense with the use of conductors along the tracks. The progress now being made in utiliz-

The progress now being made in utilizing electricity is very remarkable. Yet men still remain so ignorant of the subtile nature of this force that scientific journals, devoted to its study, are still discussing the problem of whether it is to be considered matter, as only a force generated by certain conditions and relations of matter. The solution for the present seems to be beyond reach. "Electricity," says an expert, "is simply an agent of transmission—a convenient, tractable, yet powerful means of carrying and distributing energy of motion from one point to others. Electricity is one form of energy, but it is a created form of energy; it may be considered as steam in another form, and when we recover it, it is simply mechanical work or unergy of motion, and no longer electricity." of motion, and no longer electricity. This definition of a mysterious force seems to deepen rather than dispel the mystery by which it has always been sur-rounded. No doubt it is scientific; but would it not be equally scientific to say that it is firavity and not water that turns the water wheel? Nevertheless the weight of argument seems to be against the material properties of this incomprebensible workmant But this much we know for certain. We have found in electricity the most nimble-footed agent known in the universe, a traveller that can rival the light in speed, and explode a magazine across the circumference of the globe. The hand of an infant is strong enough to dispatch it on its course, though the hand of a giant would not prevent its effects after it has been once aunched.

Misery After Eating

Is avoided by dyspeptics who, guided by the recorded experience of thousands, begin and systematically pursue a course of Hostetter's Stomach Bitters. Persis tence in the use of this pure and highly accredited stomachie, is the sole and agreeable condition of the entire removal of the obstinate forms of thyspe sain no less than a temporary fit of indiges tion. In connection with the use of this specific, it is desirable to avoid articles of food which individual experience has shown to be difficult of digestion, by the stomach sought to be belitted. Each dyspetic's past observation of his diges-tive capacity should enable him to be his own guide and mentor in this particular, not trusting to any set of dietetic rules too general to be suited to particular cases. Biliousness and constipation, heartburn and wind upon the stomach, sour cructations, headache and mental despondency, are among the concom-itants of dyspepsia, and we put it to flight by the Bitters.

A Jewel of Fabulous Value.

Jewelry News: The Berlin Borsen Zeitung says that the Prussian capital has long contained a jewel of quite a fabulous value, the news of whose existence was first made known to the general public by the reports of the last session of the Polytechnic society. This noble stone is a sapphire, and is the property of one of the members of that learned body. It weighs a little more than six ounces. The jury of the Polytechnic society on the grounds, stated in full in their dis-cussion, would have settled its value at the frightful sum of 64,000,000 marks, or \$16,000,000. It need nardly be said that such a treasure is not very likely to find a purchaser at such a price. It is contended by some of the adepts that the stone is not perfectly pure, so that its price may, perhaps, be reduced; but it can never be so far lowered as to tempt the richest and give anything like the sum which must be asked for it. In the year 1872 a Bertin mineralogist offered to go as far as 67,500 marks, but in vain, as the unique jewel had already been refused in 1860 to a German prince who had offered a far larger price. Its present possessor has placed his treasure in state custody for the sake of his heir, as the Borsen Zeitung says, though we imagine that its future owner will not find it easy to realize anything more than distinction out of his very exceptional piece of prop-erty. All the experts who have scrutinized the saphire agree that it is a genuine conundum. The "sapper" of the books of Exodus and Ezekiel, like the "sap-phires" of lling were probably our lapis



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### REUNION ECHOES.

One of the Gallant Boys Who Wore the Biue

> And Heard the Whisining Shot and Shell-Through the Second Bull Run and Antietam.

Among the many gallant G. A. R. boys who enjoyed the reunion held in Omaha during the past week none have seen more hot fighting than the subject of the following sketch, Mr. C. C. Palmer. Mr. Palmer, who now resides at No. 518 South Righteenth street, enlisted at Watertown, N. Y., for two years. After serving that time he returned home, where he quietly remained for about three months. In the meantime the battle of Gettysburg was fought, which fired Mr. Palmer with so much patriotism that he again enlisted, this time for three years. He then served until the army was flually mustered out. He fought in the second battle of Buil Run. Antietam and numerous other fights in which his regiment was engaged. In the Buil Run fight Mr. Palmer saw his comrades on either side and in front of him fail, but himself escaped the bullets that were flying so thickly around him. To a reporter Mr. Palmer remarked: "I was pretty lucky in one way during my soldiering, that is in escaping getting wounded; but in another way I was not so fortunate. In lying out at night, with only an old torn blanket for protection, and very often not that much. I contracted numerous severe coids which gradually turned into a bad case of catarrh. I suffered with this catarrh for about twenty years, it almost desiroying my hearing. I would wake in the morning with my head all stopped up and my breath so offensive that I could scarcely stand the oder of it. I would have a head-splitting headache above my syes, and, in short, I would feel so miserable that I could scarcely go to my work. I lost flesh until I only weighed about 123 pounds. I doctored awhile for general debility, but it did me no good. While suffering this way I noticed the advertisements of Drs. McCoy & Honry, and immediatly called on them at their offices in the Range block. They placed me under treatment and to-day I feel like a different man. I have no more head aches, my heating is greatly improved, my bead is ciear, I have gained five pounds in weight in three weeks, and feel better



likeness of that gentleman, who is at present sngaged as foreman of the cake department of the Jos. Garneau bakery, and who resides at No. 818 South Eighteenth street, where he will willingly corroborate the above statements to any one who will call or address him there.

SNEEZING CATARRII.

What It Means, How It Acts, and What It Is.

You sneeze when you get up in the morning, you try to sneeze your nose off every time you are exposed to the least draft of air. You have a fullness over the front of the forehead, and the nesse feels as if there was a plug in each nostril which you cannot dislodge. You blow your nose until your ears crack, but it don't do any good, and the only result is that you succeed in getting up a very red nose, and you so any good, and the only result is that you succeed in getting up a very red nose, and you so irritate the lining membrane of that organ that you are unable to breathe through it at all. This is a correct and not overdrawn picture of an acute attack of catarrh, or "Sneezing Catarrh" as it is called.

Now, what does this condition indicate? First, a cold that causes mucus to be poured out by the glands in the mose; then those discussed glands are attacked by swarms of little germs—the catarrh germ—that float in the air in a

the catarrh germ—that float in the air in a locality where the disease is prevalent. These animalculae, in their efforts to find a lodgment irritate the sensitive membrane lining the nose and nature undertakes to rid herself of them by producing a fit of sneezing.

When the nose becomes filled with thickened and diseased mucus the natural channels for

and diseased mucus the natural channels for the introduction of air into the lungs is inter-fered with, and the person so effeted must breathe through the mouth, and by such means the throat becomes parched and dry, snoring is produced, and then the catarrial disease gains ready access to the throat and lungs.

LEADS TO CONSUMPTION.

INTERESTING EVIDENCE OF A CONDITION NOT TO When catarrh has existed in the bead and the upper part of the throat for any longth of time—tre patient living in a district where people are subject to catarrhal affection—and the disease has been left uncured, the catarrh invariably, sometimes slowly, extends down the windpipe and into the bronchiai tubes, which tubes convey the air to the different parts of the lungs. The tubes become affected from the swelling and the mucous arising from catarrh, and, in some instances, become plugged up, so that the air cannot get in as freely as it should. Shortness of breath follows, and the patient breathes with labor and difficulty.

In either case there is a sound of cracking and wheezing inside the chest. At this stage of the disease the breathing is usually more rapid than when in beath. The natient has also hot dashes over his body.

The pain which accompanies this condition is of a dull character, felt in the chest, behind the breast bone, or under the shoulder blade. The pain may come and go—last few days and then be absent for several others. The cough that occurs in the first stages of bronchial catarrh is dry, comes on at intervals, hacking in character, and is usually most troublesome in the morning on rising, or going to bed at night and it may be in the first stages of bronchial catarrh is dry, comes on at intervals, hacking in character, and is usually most troublesome in the morning on rising, or going to bed at night and it may be in the first evidence of the disease extending into the lungs.

Sometimes there are fits of coughing induced by the tough mucus so violent as to cause vomiting. Later on the mucus that is raised, is found to contain small particles of yellow matter, which indicates that the amail tubes in the lungs are now affected. With this there are often streaks of blood mixed with the mucus. In some cases the patient becomes very pale, has fever, and expectorates before any cough appears.

In some cases small masses of cheesy substance are suit up, which, when pressed be-HE TRIFLED WITH. When catarrh has existed in the head and the

appears.

In some cases smal lmasses of cheesy substance are spit up, which, when pressed between the fingers, emit a bad odor. In other cases, particles of a hard, chalky nature are spit up. The raising of cheesy or chalky lumps indicate serious mishlef at work in the lungs.

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