

An American electric manufacturing company has been awarded the entire contract for the equipment of numerous electrical plants which will be installed along the line of the Eastern Canadian railway. It will consist largely of temporary lighting plants. It is thought that ultimately \$230,000 will be involved in the contract.

pedition, but that he is much interested in anarctic explorations, and it is possible that his next trip will be toward the south. He is now engaged on his large scientific work on polar explorations.

You're Gambling!

It's too risky, this gambling with your cough. You take the chance of its wearing off. Don't!

The first thing you know it will be down deep in your lungs and the game's lost. Take some of Ayer's Cherry Pectoral and stop the gambling and the cough.

"I was given up to die with quick consumption. I ran down from 125 to 85 pounds. I raised blood, and never expected to get off my bed alive. I then read of Ayer's Cherry Pectoral and began its use. I commenced to improve at once. I am now back to my old weight and in the best of health."—CHAS. E. HARTMAN, Gibbstown, N. Y., March 3, 1899.

You can now get Ayer's Cherry Pectoral in a 25 cent size, just right for an ordinary cold. The 50 cent size is better for bronchitis, croup, whooping-cough, asthma, and the grip. The dollar size is best to keep on hand, and is most economical for long-standing cases.

MAGNETIC STARCH
It Stiffens the Goods It Whiten the Goods It Polishes the Goods
It makes all garments, fresh and crisp as when first bought.
TRY A SAMPLE PACKAGE.
You'll like it if you try it.
You'll use it if you try it.
You'll buy it if you try it.

MAGNETIC STARCH The WONDER of the AGE. No Boiling No Cooking. It Stiffens the Goods It Whiten the Goods It Polishes the Goods. It makes all garments, fresh and crisp as when first bought. TRY A SAMPLE PACKAGE. You'll like it if you try it. You'll use it if you try it. You'll buy it if you try it.

PIANOS! Special Offer until Jan. 1st. DO YOU WANT ONE? The BALDWIN The Best Piano in the market.

We wish to immediately place one in every town in the state, knowing by experience that wherever we sell one other sales are sure to follow. To introduce these pianos we will from now until January 1st, make a Factory wholesale price on the first piano to go to any locality where we have not already sold one. This means a great saving to the buyer.

We Do Not Mention the Actual Price. Because we will only sell one piano in each locality at this extremely low price, hoping through the advertisement to sell others at a profit to which every dealer and manufacturer is justly entitled. Terms cash or easy payments.

Pianos sent on approval. Write for catalogue and full particulars. We also sell the Ellington, Hamilton and Valley Gem pianos and Hamilton and Monarch organs.

DICKINSON & HUSTON, 1514 Douglas St., Omaha.

WINCHESTER GUN CATALOGUE FREE. Send your name and address on a postcard, and we will send you our 156-page illustrated catalogue free.

WINCHESTER REPEATING ARMS CO., 174 Winchester Avenue, New Haven, Conn.

Louie Osterlag, an Atchison boy who served on the Olympia, says the Kansas City Journal, says it is all about Dewey's ships drawing off from the light sailing the moon into a heavy breakfast. He says the ships drew off all right, but the men were too excited and too exultant to eat a mouthful. An amusing English account sounds human-like and natural.

Prunes afford the highest nerve or brain food, supply heat and waste, but are not muscle feeding. They should be avoided by those who suffer from the liver.

Track Tanks for Freight Engines. The use of track tanks by locomotives is almost universal on the larger Eastern roads, where fast expresses are the rule. The B. & O. R. R. has a number of the lightest and most reliable and intends to equip the entire Main Line in the future. This decision was recently arrived at through the use of passenger locomotives equipped with water scoops, on fast freight trains. It was found that much time was saved, danger from stopping, being reduced to a minimum and wear and running lessened. The extra cost for water take much time and the cost and tear on equipment is no small matter. If the experiment on this part of the road proves successful, track tanks will be installed on every division between Baltimore and Chicago. As a starter, the 50 new Vanclain compound engines recently ordered will be fitted with water scoops.

For starching fine linen use Magnetic Starch.

The grand and, indeed, the only character of truth is its capability of enduring the test of time, and coming unchanged out of every possible form of fair discussion.—Sir John Herschel.

Half Acres South via Omaha and St. Louis and Washburn Routes. On the 1st and 2nd Tuesday of each month the above lines will sell home-seekers tickets to various points for one fare plus 20%.

WINTER TOURS. RATES now on sale to Hot Springs, Ark., and the winter resorts at greatly REDUCED RATES. Remember the O. & St. L. and Washburn, the shortest and quickest route to St. Louis.

Remember the O. & St. L. and O. R. & E. is the shortest route to Quincy. Unexcelled service to Kansas City and the south.

For rates, sleeping car accommodations and all information call at the QUINCY ROUTE OFFICE, 1415 Farwell St. (Paxton Hotel block) or write Harry E. Moores, City Passenger and Ticket Agent, Omaha, Neb.

There are three parts in truth; first, the enquiry, which is the willing of it; secondly, the knowledge of it, which is its truth; and thirdly, the belief, which is the enjoyment of it.—Bacon.

New Inventions. Last week 413 patents were granted to U. S. inventors and 121 of these were wholly or partly sold before they were issued. Among the prominent firms buying patents were the following: American Telephone & Telegraph Co., New York City; U. S. Vending Machine Co., Jamestown, N. Y.; Union Scale & Manufacturing Co., Sacramento, Cal.; Universal Accounting Machine Co., St. Louis, Mo.; Plano Manufacturing Co., Chicago, Ill.; Steel Motor Co., Ohio; Richmond Cedar Works, Richmond, Va.; American Bell Telephone Co., Boston, Mass.; and Coe Brass Manufacturing Co., of Connecticut.

Liberty Bell Co., Bristol, Conn. Under the new practice of some inventors it is not unusual for inventors to place themselves on record in the Patent Office to secure their inventions. Inventors desiring free information as to the methods of protecting their inventions and selling the same, should address S. & Co., Patent Lawyers and Solicitors, Bee Bldg., Omaha, Neb.

Truth is the conformity of expression to thought. The expression of truth is simplicity.—Seneca.

Your clothes will not crack if you use Magnetic Starch. Truth without peace is turbulent; and peace without truth is secure injustice.—Bishop alt.

Try Grain-O! **Try Grain-O!**

Ask you Grain-O-day to show you a package of GRAIN-O, the new food drink that takes the place of coffee. The children may drink it without injury as well as the adult. All who try it, like it. GRAIN-O has that rich meal brown of Mocha or Java, but it is made from pure grains, and the most delicate stomach receives it without distress. 4 the price of coffee. 15 cents and 25 cents per package. Sold by all grocers.

Tastes like Coffee **Looks like Coffee** **Keeps your grocer gives you GRAIN-O** **Accept no imitations.**

AGENTS WANTED To sell the products of **THE SWINE VACCINE CO. OF WYOMING, NEB.** Swine vaccination is essential to the success of the swine raiser. For further information, write to The Swine Vaccine Co., Wyo., Neb.

DR. ARNOLD'S COUGH KILLER **DR. ARNOLD'S COUGH KILLER** **DR. ARNOLD'S COUGH KILLER** **DR. ARNOLD'S COUGH KILLER**

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FARM AND GARDEN.

MATTERS OF INTEREST TO AGRICULTURISTS.

Some Up-to-Date Hints About Cultivation of the Soil and Various Theories—Horticulture, Viticulture and Floriculture.

Agricultural Notes.

The value of animal manure to our farms is seldom realized. We speak of commercial fertilizers as a substitute to some of our lands and we speak truly. But the correct use of our barnyard manure means the adding every year of many millions of dollars to the value of our farms. For this reason there is a close connection between the number of live stock in the country and the fertility of the soil. In the last few years our sheep, hogs, cattle and horses have decreased by many millions. This means that it is possible for us to put many millions less tons of manure on our land than formerly. Consider the manure product from a single animal and then consider it from all the animals in the country. It is safe to say that during the late depression our farm lands have deteriorated enormously, due to the lessened supply of manure from farm animals. If the higher prices now obtained for manure and the breeding they will confer an indirect but great blessing on our agricultural communities by increasing the fertility possibilities of the soil.

There are few if any poor farms that cannot be made good farms providing they are properly managed. A poor farm is not a necessary result of cultivating a farm for generations. In other parts of the world some of the most fertile farms at the present day are those that have been cultivated for hundreds and thousands of years. The slighting of the soil and the exhaustion of the soil, did not so construct the soil that its fertility might be exhausted in a generation or two. Where there are poor, run-down farms we may be assured that there has been mismanagement in cultivation. Not only is it possible to grow the crops we want without running down the farm, but it is possible to take a run-down farm and bring it back to a state of fertility greater than that known in any previous period of its existence. Nor is a miraculous amount of knowledge needed to do this. It only requires a study by the owner of the best methods of handling a farm as they are now taught in our agricultural colleges, in the agricultural press and by many of our best farmers.

The Velvet Bean. A bulletin of the Alabama experiment station says: The velvet bean (Mucuna sativa) is a plant which, in general appearance of leaves and stems, is nearly similar to the running varieties of cow peas. The vines attain great lengths, a growth of twenty feet being usually reached, and much greater lengths being sometimes attained. The beans are larger than cowpeas and usually three or four are found in each pod. The pods are short and stout, nearly black in color and covered with a coat of velvety hairs. The velvet bean belongs to the same family as the cowpea, it is a leguminous plant, and like the cowpea, the velvet bean is a renovating plant, having the power to enrich the land on which it grows.

In any comparison of velvet beans with cowpeas as a renovating crop, there is one point in which velvet beans are decidedly superior. When frost comes the vines and leaves settle down together in such a way that the force of falling rain is broken and the network of vines is so complete that the leaves, the most valuable portion, cannot be blown or washed away. With cowpeas the case is somewhat different, the bare stems standing erect and affording no means of retaining the leaves in place. On the other hand better implements are required to turn under vines of the

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In the first eight months of 1899, namely, from January to September, 1, the exportation of wheat amounted to 71,619,843 bushels with a valuation of \$53,852,822.

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The Ash Tree Beetle. We herewith illustrate one of the largest of the beetle family that prey upon our forest trees. This one is called the Dynastes tityus. It feeds



upon the leaves of the ash tree principally, but it is also found on some of the other forest trees. When present in numbers these beetles, on account of their size and voraciousness, soon strip a tree of the best part of its leaves. The one we illustrate is not enlarged, but shows the natural size. Some of them are even larger than the illustration. Fortunately, the grub from which this beetle comes is not destructive to vegetation, but feeds, so far as is known, on rotten wood. When the beetles attack our shade and ornamental trees, the only way to check them is to jar them from the trees and kill them, or spray the trees with Paris green and London purple. As the beetles are very large, the jarring caused by disposing of them may be preferred to the spraying of the trees.

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Charles Curtis, of Topeka, a republican leader of Kansas, is nicknamed the "Indian congressman," because, though of New England descent on his father's side, his mother was a direct descendant of Louis Gouville, a chief of the Kansas Indians. He began life as a bootblack and read law by night.

A Providence company has recently made an emery wheel 39 inches in diameter and 12 inches thick. It was built upon a special iron center 31 inches in diameter, which ran on a 3-5-16 shaft. The whole affair weighed over 1,200 pounds. The machine was designed for grinding wooden balls.

Mexico. On Tuesday, Jan. 23, a special vestibule train of Pullman palace cars, dining-room, drawing-room, library, observation and dining cars will start from Chicago, going to the City of Mexico and to other prominent cities of the republic and back to Chicago again. The tour is under the management of the Mexican Tourist Association. Tickets include all expenses every where. The tour is under the personal escort and direction of Mr. Reau Campbell, general manager of the American Tourist Association. For maps, books of the tour, tickets, and other matters, apply to the Chicago, Milwaukee & St. Paul Ry.

All of the duties, the love of truth, with faith and constancy in it, ranks first and highest. Truth is God. To love God and to love truth are one and the same.—Silvio Pellico.

Deavors of Ointments for Catarrh That Contain Mercury. An mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surface of the nose. The only safe and effective prescription from reputable physicians, as the only safe and effective remedy, can be possibly derived from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, Ohio, is a catarrh cure, internally acting directly upon the blood and mucous surfaces of the system. It is sold by Dr. F. J. Cheney & Co., Testimonials free. Sold by Druggists, price 25c per bottle. Beware of cheap imitations.

No pleasure is comparable to the standing on the vantage ground of truth.—Bacon.

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Ecclesiastical log rolling is only different from political in that it is worse.

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The Ash Tree Beetle. We herewith illustrate one of the largest of the beetle family that prey upon our forest trees. This one is called the Dynastes tityus. It feeds

upon the leaves of the ash tree principally, but it is also found on some of the other forest trees. When present in numbers these beetles, on account of their size and voraciousness, soon strip a tree of the best part of its leaves. The one we illustrate is not enlarged, but shows the natural size. Some of them are even larger than the illustration. Fortunately, the grub from which this beetle comes is not destructive to vegetation, but feeds, so far as is known, on rotten wood. When the beetles attack our shade and ornamental trees, the only way to check them is to jar them from the trees and kill them, or spray the trees with Paris green and London purple. As the beetles are very large, the jarring caused by disposing of them may be preferred to the spraying of the trees.

Water-Breaking for Cattle. It is an excellent practice to break a colt to halter at weaning time, for the younger the colt is taught to lead, the more easily is the operation accomplished. Youngsters halter-broken at weaning time are more obedient, less nervous when of age for service. It is quite an undertaking to round up a 3 or 4 year old colt and break it to halter, which feat is necessary before the process of harness racing commences. At that age they are so strong and frequently so badly spoiled that a stubborn fight that the animal is spoiled. It not infrequently happens that the horse rears and breaks its neck in the operation. All danger may be avoided, and the labor necessary to educate the colt to lead will be minimized by halter-breaking at weaning time. A colt will soon yield to the tension of the halter if pulled at an angle, and it quickly learns that to follow the breaker relieves it from pain. The resistance is brief and the subjugation complete.—EX.

Not Old Zach's Grandson. Letters from Southern members of the Taylor family indicate pretty surely that Lieutenant C. C. Wood of the North Lancashire British regiment, who was recently killed at Kimberley, South Africa, was a great-grandson of President Zachary Taylor, but not a grandson of Jefferson Davis. Jefferson Davis married General Taylor's daughter, Sarah. Dr. C. Wood married General Taylor's daughter, Ann M., and the late Lieutenant C. C. Wood was their grandson, his father having been Lieutenant Wood, of the Confederate navy.

U. S. Patent Office Business. Applications for patents prepared and prosecuted by us have been as follows: To J. Rice, of Belle Plaine, Iowa, for a trap. One animal after being caught sets the trap to catch the next one until the trap is filled. To T. D. Norris of Madrid, Iowa, for a weighing wagon. The wagon bed is mounted upon a scales platform which rests on the wagon frame, and the weight of the load on the wagon may be determined at any time.

To W. O. Nelson, of Carafoto, Iowa, for a railway splice bar that overlaps the web of the abutting ends of the rails, has a groove at its top that admits the balls, a flange that overlaps the flanges of the rails and also contacts with a chair or tie under the rails and has inclined planes at its ends on its top and front face adapted to serve as cams in directing car wheels.

To W. C. Sedgwick, of Grinnell, for an electric belt in which one or more cells are readily made operative as required to regulate the force of the current to suit different persons. O. the same person at different times. Prints matter and consultations and advice free.

THOMAS G. ORWIG, J. RALPH ORWIG, REGISTERED PATENT ATTORNEYS, Des Moines, Iowa, Dec. 5, 1899.

In life's battle the safest leader is the captain of our own salvation.

Jared A. Her Repeated 2 million. With others he has been a great success in business, politics, and in every other line. He is now a member of the U. S. Senate. Mrs. M. H. Baldwin, Box 1212, Chicago, Ill.