SCIENCE UP TO DATE.

SOME NICHES IN THE POST OF PROGRESS.

Another Self-Propelling Vehicle for Highway Travel—A Simple but Useful Contrivance—General Notes of Doings in Industrial Fields.

THE LATEST AND apparently most practical self-propelling vehicle yet produced in this country has just been perfected at Springfield, Mass., after three years of experiment. This improved motor carriage is daily traversing the roadways of Western Massachusetts. The total weight is 600 pounds. The wheels are rubber-tired and run on ball-bearings.

The front wheels turn on their own pivot, located in the hub, the axle being firmly held by the side bars. The lever in front wholly controls the carriage. The lateral movement turns the wheels, the vertical motion starts and stops the vehicle, changes its rate of speed and also reverses its movement, driving it backward when desired. The lever connections all have ball joints, which can never become loose and cause lost motion. A brake drum of peculiar construction is placed under the seat and connected with a thumb button located at the front corner of the seat. By pressing the thumb upon this button, the carriage if running twelve miles an hour can be stopped within a distance of four feet.

The variable speed ranges from three to sixteen miles an hour, the normal rates being three, six and ten miles. To obtain these different rates the motor does not change its speed. The increase is made in the gearing, which is alternately rawhide and iron and runs quite still. To obtain greater speed than ten miles an hour, the pressing of the button at the front of the seat will increase the speed of the motor. The mechanism runs upon ball bearings wherever possible, and otherwise metaline bearings are used, rendering oiling unnecessary.

The motor has a driving capacity of four-horse power and is what is usually termed a gasoline motor. It is compactly located in the box of the body, weighs 120 pounds and is of an improved type, double cylinder and self-regulating as to work required. Peculiar and ingenious devices are employed in the mixture of gasoline with air to produce the proper quantity of gas, only a small drop of gasoline being used at one time. The gas so produced comes in contact with an electric spark, thereby producing an expansion of the air in the cylinder, which is already very much compressed by the action of the piston.

The cost of running this carriage is one-fourth of a cent a mile. A supply can be carried sufficient for 150 miles and can readily be replenished at any town en route.

The motor has proved entirely reliable, having been run several weeks on a test, and shows no variation in

power or speed. It is simple, will cost but little to run, and is applicable to business as well as pleasure purposes.

A Monkey's Caprice.

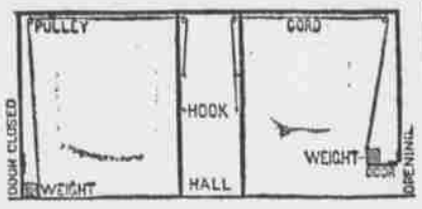
The last of the famous group of pets which Frank Buckland collected at his house died Jan. 17. It was the monkey, Tiny the second, of the species Cercopithecus mona. She was a beautiful and graceful creature, covered with a coat of handsomely shaded hair, and had been under Mrs. Buckland's care seventeen years and a half. She had the lifelong reputation of being exceedingly mischievous, and was an accomplished thief. She led a gray parrot, which had been an inhabitant of the house for twenty-five years, a terrible life; and when she was let out of her cage she played havoc with her master's papers and manuscripts. She would dash about the room, make a clean sweep of the table, and fill her pouches with anything that appeared especially nice. Her two later companions were a gray parrot and a thoroughbred dachshund, Olga. Every morning Tiny and the dog had a game of romp, that invariably ended in the discomfiture of Olga. The dog would run around the monkey's cage, barking loudly; Tiny, inside the wires, would run around also, and when opportunity occurred, would seize the dog's ears and keep pulling at them until Olga released herself. Notwithstanding these little disagreements, the dachshund appeared to miss Tiny and went about the house as if seeking her. The parrot, too, seemed to regret the loss of the monkey, and efforts were made to cheer her drooping spirits, if possible.

A Study of Maya Hieroglyphics.

American students have not made much progress in Central American archaelogy as those of Europe; and it is only recently that the Peabody museum of Harvard university has undertaken to carry on extensive and exhaustive researches in what Mr. Marshall H. Saville styles the most prolific source of hieroglyphic inscriptions of what we have knowledge. The ancient inhabitants of Copan, Honduras, Mr. Saville says, in his paper read before the American association, appears to have been more literary in character than even those of Palenque. There have been found there twenty-four stelae, all of which have inscriptions, besides altars, slabs, and hieroglyphic steps in large numbers. Pottery vessels and potsherds have been found bearing glyphs, either painted or engraved. These potsherds have been found in such quantities as to show that thousands of their vessels had hieroglyphic inscriptions. The inscriptions are intimately connected with the symbolism almost invariably found with them, and an understanding of the symbolic marks and ornaments will largely aid in deciphering the glyphs.

Simple but Useful.

To easily open the small door which gives egress and ingress, without being compelled to go into the pens, is to save labor, especially if it can be done from the hall or passageway. The illustration explains itself. A heavy weight closes



the opening, and is lifted up by a cord running over small pulleys, fastened from the hall.

The Coat of the Gnat.

The gnat is a tiny, tiny insect, but sometimes just as annoying and hard to get rid of as our better known mosquito. In warm weather plenty of these creatures are to be found in the woods and near the water, where when the proper time comes they deposit their tiny eggs, leaving them to float about in the pool until they are hatched.

Now the gnat, small as she is, has a wonderful instinct which teaches her just what is best to do in order to keep her eggs safe until they are hatched. She joins them all together, sticking them fast with a sort of glue which she furnishes herself. And she forms them into the shape of a hollow boat, which would not upset even if it got filled with water. The upper end of each egg is pointed, and they are joined with the pointed ends upward.

There are from two hundred and fifty and three hundred eggs in these little egg-boats. They are to be found upon the surface of almost any pool in summer time. When the young are hatched, they come from the under side of the eggs and the empty shells still float about on the water.

These tiny, tiny grubs are at first white, changing to a darker color, and in a few days changing again into a sort of chrysalis. In about a week this sheath bursts open and the winged mosquito or gnat comes out. It is already hungry, you may be sure, and quite ready to attack the fat legs and arms of little children who venture too near its haunts.

When we think how many thousands of these little pests are hatched out each summer we begin to be quite grateful to the birds and larger insects who make meals of them and so prevent them making meals of us.

Gave a Lion Strychnine.

One of Barnum & Bailey's lions recently injured his paw in such a manner that it became a kindness to kill him. A piece of meat filled with strychnine was given him. He greedily swallowed the meat with its heavy dose of poison. The onlookers expected to see the strychnine operate at once, but they were mistaken. The great brute lay down contentedly and seemed to go to sleep. For twenty minutes or so he lay still. Then, with no warning, he leaped high into the air and fell with a thud to the floor of his cage. He was dead by the time he struck, and had probably suffered no pain except at the very instant before he died.

Trout Fishing at Night.

Night fishing for trout has suddenly become the rage, and hereafter many anglers may be found beside the brook enjoying the nocturnal pastime. The theory advanced by experts is that the speckled beauties wander from their fireside more safely and successfully for food in the night time. It is very plausible that in securing its victims the trout moves about with more freedom in the darkness. Hence it should pay the angler to spend a little time with his fly in the evening.

Chicago's First Ordinance.

Citizens were forbidden to let pigs wander in the streets; to "shoot off any firearms"; to steal timber from any of the bridges for firewood or other purposes; to endanger the public safety by putting a red hot stove pipe through the board wall; to run a race horse through the principal streets; to exhibit a stallion without due consideration for public decency; to leave timber lying loose on the streets; or to throw dead animals in the river.

His Body Whirled About.

George Meade, an employe of the Grand River file works, at Painesville, Ohio, was attempting to put a belt on a pulley in motion and was caught and whirled around the shaft about ten times, striking a 4x10 piece of wood, breaking it in two. The injured man was rescued with his arm broken in three places and badly bruised about the body, but it is thought he will live. He weighs over 200 pounds.

No Passports Needed.

Travelers in the United States do not need a passport when going from one state to another, nor is their baggage opened and searched for contraband articles every time they cross a state line, as in the case when passing through Europe.

Royal Baking Powder
Absolutely Pure

All other powders are cheaper made and inferior, and leave either acid or alkali in the food.

ROYAL BAKING POWDER CO., 106 WALL ST., NEW-YORK.

Reminded Her.

A certain esteemed clergyman, whose church is in a most attractive part of the city, but who for present purposes must remain unnamed, was feeling a little "pardonable pride," as the outgoing political officeholders express it, in having succeeded, after years of soliciting, in raising enough money to provide his church with a set of chimes.

As every one took the first occasion to congratulate him, it was quite natural that, on meeting Mrs. Blunt, one of his most fashionable parishioners, he should say, in his happy enthusiasm: "And how do you like the new chimes, Mrs. Blunt? You must be glad to hear those good old hymns at night. They must remind you——"

"Yes," she interrupted, "that's so. "Since the chimes began I've taken my medicine quite regularly."—Boston Budget.

Conservative Little Bodies

Are those diminutive organs, the kidneys, which, in spite of their small size, perform in health a most important part in the mechanism of the system. Out of order they breed dangerous trouble. Renew their activity with Hostetters' Stomach Bitters, which prevents the serious and often fatal diseases resulting from their inaction. This sterling medicine, moreover, remedies malarial, rheumatic and dyspeptic complaints, and invigorates the whole system.

"Why was the bee selected as a model of indust y?" asked Tillinghast. "Because business with him is always humming," remarked Gildersleeve.

She—There is no use in talking, it's the small things that annoy one most. He—Yes. Even a little mosquito bores me frightfully.

Reopening Montezuma Hotel, Las Vegas Hot Springs, N. M.

The Montezuma hotel at Las Vegas Hot Springs will be reopened on June 20, 1895, under the management of Mr. Jno. O. Plank. The hotel has been refitted throughout, and various improvements made in the grounds, bath houses, etc. The hotel rates will be much lower than heretofore, but the unexcelled character of service and cuisine will remain at its previous high standard. No better resort can be found for a vacation outing for those in search of health or recreation; where one can enjoy the finest mineral baths in the world and best fishing and hunting in the Rocky Mountain region.

Very low round-trip rates have been made by the "Santa Fe Route" from Colorado points, as follows:

Denver	$19.50
Colorado Springs	15.75
Pueblo	13.50

For descriptive pamphlet address J. P. Hall, General Agent, Passenger Department, 1700 Lawrence street, Denver, Colorado.

It is a fortunate thing for corporations that they have no souls, for they would have a tough time of it in the next world.

Piso's Cure cured me of a throat and lung trouble of three years' standing.—E. Cady, Huntington, Ind., Nov. 12, 1894.

The hen-pecked husband who misses a train he has promised his wife to return on, "catches it," when he gets home.

Experience leads many mothers to say "Use Parker's Ginger Tonic," because it is especially good for colds, pain and almost every weakness.

Green Gates—Is your son doing well at college? Halsey Putnam—Not as well as I expected; he is only playing center field.

Those distressing Corns!
Bad as they are Hindercorns will remove them, and then you can walk and run and jump as you like.

Olebatch—The girls are not so pretty as they were twenty years ago. Miss Perte—Well, neither are you.

KNOWLEDGE

Brings comfort and improvement and tends to personal enjoyment when rightly used. The many, who live better than others and enjoy life more, with less expenditure, by more promptly adapting the world's best products to the needs of physical being, will attest the value to health of the pure liquid laxative principles embraced in the remedy, Syrup of Figs.

Its excellence is due to its presenting in the form most acceptable and pleasant to the taste, the refreshing and truly beneficial properties of a perfect laxative; effectually cleansing the system, dispelling colds, headaches and fevers and permanently curing constipation. It has given satisfaction to millions and met with the approval of the medical profession, because it acts on the Kidneys, Liver and Bowels without weakening them and it is perfectly free from every objectionable substance.

Syrup of Figs is for sale by all druggists in 50c and $1 bottles, but it is manufactured by the California Fig Syrup Co. only, whose name is printed on every package, also the name, Syrup of Figs, and being well informed, you will not accept any substitute if offered.

It has long been understood that marriages are made in heaven. It is quite a shock, then, to read occasionally of one being made in the penitentiary.

"Hanson's Magic Corn Salve."
Warranted to cure or money refunded. Ask your druggist for it. Price 15 cents.

Next to rolling off a log, the easiest thing is to tell other people how they ought to bring up their children.

We will give $100 reward for any case of catarrh that can not be cured with Hall's Catarrh Cure. Taken internally.
F. J. CHENEY & CO., Proprs., Toledo, O.

When the conscience goes on a strike the proprietor will feel better if he accedes to its demands.

If the Baby is Cutting Teeth.
Be sure and use that old and well-tried remedy, Mrs. Winslow's Soothing Syrup for Children Teething.

The weeping willow should be planted in tiers.

PROSPECTIVE MOTHERS

and those soon to become mothers, should know that Dr. Pierce's Favorite Prescription robs childbirth of its tortures and terrors, as well as of its dangers to both mother and child, by aiding nature in preparing the system for parturition. Thereby "labor" and the period of confinement are greatly shortened. It also promotes the secretion of an abundance of nourishment for the child.

MRS. DORA A. GUTHRIE, of *Oakley, Overton Co., Tenn.*, writes: "When I began taking Doctor Pierce's Favorite Prescription, I was not able to stand on my feet without suffering almost death. Now I do all my housework, washing, cooking, sewing and everything for my family of eight. I am stouter now than I have been in six years. Your 'Favorite Prescription' is the best to take before confinement, or at least it proved so with me. I never suffered so little with any of my children as I did with my last."

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Our Train Service

8:00 A.M. DAILY — Tourists' Tickets
10:30 A.M. DAILY
3:00 P.M. DAILY — To the Eastern Mountain, Lake and Sea Side Resorts
5:30 P.M. DAILY
8:45 P.M. DAILY
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C. K. Wilber W.P.A. Chicago

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Do not be deceived by unreliable fictitious prices, but buy a $35 team harness for $14, $20 steel horn, double cinch, cowboy saddle for $13, but before purchasing, send for my new illustrated and descriptive catalogue free, and see what you are ordering, and if goods are not as represented, you can return same at my expense. I use the best oak tanned leather and employ only first class workmen. J. H. WILSON,
1749 to 1751 Larimer St. DENVER, COLO.

DENVER TENT & AWNING CO., 1637 Blake. Write us.

ANOTHER great reduction in prices saddles and harness. They cost you not h in or examination. Best $20 single buggy harness in Colorado for $11; $15 single buggy ha ness for $8.50; a nickel or rubber trimmed $30 double concord harness wi h breeching for $20; $40 steel horn stock saddle for $20; $30 steel horn stock saddle, double cinchs for $13. Do not be deceived by worthless imitations, but send your order direct to us and get the best genuine oak tanned harness for examination before paying for same. Catalogue free. All goods stamped, Fred Mueller, 1413-1415 Larimer street, Denver, Colo.

PATENTS Obtained in all countries. H. S. Bailey, 653 Equitable Bldg., Denver

Viavi Cures Female Weakness of any kind 30 Londoner Bk, 1630 Arapahoe st. Denver

MACHINIST Repairs of MINING, PRINTING Machinery, etc. Pipe threading and cutting. Freight elevators. Nock & Garside, 1415-17 18th st.

GRAIN ALL KINDS BOUGHT AND SOLD. G. E. ADY, 1620 19th Street, Denver.

E. E. BURLINGAME'S
ASSAY OFFICE
And Chemical Laboratory.
[*Established* 1865.
JEWELERS AND PHOTOGRAPHERS, send your sweeps and waste containing gold and silver for treatment. Prompt returns and highest cash price paid for gold and silver bullion. Address 1736 and 1738 Lawrence Street, Denver, Colorado.

THE COMPANY PAYS THE FREIGHT
On their common-sense new steel horse whim. Will hoist 25 tons of rock 300 feet each shift. Is just as safe and reliable as an engine. It can be packed anywhere a jack can go. No cog wheels or clutches to break. 90 per cent. is wrought iron and steel and will bend before breaking. Over 850 in use, some running 6 years without one dollar's expense. We make horse hoists at prices, $25, 50, 75 100 $125

and on up. Send for an illustrated circular to THE WHIM CO., 1222 Curtis St., Denver, Colo.

PARKER'S HAIR BALSAM
Cleanses and beautifies the hair. Promotes a luxuriant growth. Never Fails to Restore Gray Hair to its Youthful Color. Cures scalp diseases & hair falling. 50c, and $1.00 at Druggists

A SURE CURE FOR PILES
Itching Piles known by moisture like perspiration, causes intense itching when warm. This form and Blind, Bleeding or Protruding Piles yield at once to
DR. BO-SAN-KO'S PILE REMEDY,
which acts directly on parts affected, absorbs tumors, allays itching, effecting a permanent cure. Price 50c. Druggists or mail. Dr. Bosanko, Philada., Pa.

Very Latest Styles —BY— May Manton

35 Cent Patterns for 10 Cents. When the Coupon Below Is Sent. Also One Cent Additional for Postage.

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THIS COUPON sent with an order for one or any of the above 35 cent patterns is credited as 25 cents, making each pattern cost only 10 cents.

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