

FARM AND GARDEN.

ARTIFICIAL REARING OF CHICKENS.—Mr. Salmon's method of rearing chicks, described in the Rural New Yorker, is certainly novel, and as he claims, successful. Here it is:

As fast as the chicks are hatched I take them from the hen and keep them well wrapped up and very warm for 24 hours. They are then put in small cages made of wood and wire, about 18 inches square and six or eight inches high, 12 or 20 in each cage, and fresh earth is given them every day. For the first week or ten days they want to sleep most of the time, I cover them up with a cloth at night and in the mornings feed and cover them again, and through the day feed them about every two hours, keeping them covered while they are not eating. As soon as they are old enough and the weather permits, I put them in large cages without a bottom so they are on the ground, but are not allowed to roam around at all. These cages are light and easily moved to new spots of earth, which ought to be done daily. I feed corn meal, oat meal that has become wormy and which can be bought cheap, worms and all, dried bread crumbs (never feed chicks on bread soaked in water, it will give them diarrhoea and they will die) and a little plain canary seed when they are very small or sick! it will almost bring dead chicks to life—it is simply immense. In the large cages I put 25 to 40 chicks all of one size as nearly as can be; if two sizes are put together the small ones do not do so well because they have no chance with the large ones.

GREAT MILK PRODUCERS.—The two year-old Holstein heifers, Jamaica and Ethelka, owned by Mr. John Mitchell, of Meadowbrook Farm, six miles from Newburg, have beaten the record for milk production. A comparison of their yield of milk, made a few days ago, with the best previous record, that of Clothilde, a three-year-old belonging to Smith & Powell, large importers at Syracuse, N. Y., shows that both Jamaica and Ethelka surpassed the yield of Clothilde. The former nearly doubling it. Since then both heifers have increased their yield so fast that Mr. Mitchell is astonished and marvels at what the end is likely to be. Besides exceeding the best score for three-year-olds in milk production, Jamaica has also produced in one week 26 pounds and 3 ounces of fine unsalted butter. The records are kept by Mr. Mitchell and his sons, and there is no question about their accuracy.

The statement will show that both heifers have beaten the great cow Aggie, owned by Smith & Powell, and which yielded in one day 84 pounds and 12 ounces, and the still greater cow Undine, owned by G. S. Miller, of Peterboro, N. Y., which gave 91 pounds. The statement is for 31 days, ending Saturday, March 15. The yield is given in pounds and ounces.

JAMAICA'S RECORD. Daily Yield. Average. Best 1 days' milking 112.2 110.1

ETHELKA'S RECORD. Best 1 day's milking 101

The cows Aggie and Undine above alluded to, have been looked upon as being phenomenal milk producers, but the young heifers Jamaica and Ethelka now stand at the head of the list. Jamaica's one-day yield of 112 pounds of milk, about 5 1/2 quarts, has never been equalled. Mr. Mitchell was offered \$15,000 for her and her three months old heifer calf, but since then a well-known breeder of fine stock has offered \$25,000 for the heifer and calf. Mr. Mitchell says that he has since been offered \$10,000 for the calf alone. Both offers have been

declined. Jamaica's first offspring was a bull calf, and it was purchased by Mr. C. C. Smith, a neighbor, at a small price. Since the great yield of its mother, Mr. Smith has declined \$1,000 for the yearling bull.—N. Y. Sun.

SCIENCE.

ELECTRIC LIGHT ON LOCOMOTIVES.—The latest application of electric light is one of the most wonderful. Ever since its discovery railroad men and inventors have been trying to adapt it to use as a locomotive headlight. The trouble was in the oscillation of the great engine frame which shook the carbons together. Some Ohio and Indiana men have invented a perfectly balanced lamp to hold carbons. It has been running for thirty days on the Pan Handle Railroad, between Bradford Junction and Indianapolis, and has been a success. John F. Millor, superintendent of that division, declared it was perfect. It is run by a little engine and dynamo placed on the side of the locomotive back of the Westinghouse air-brake. The engine is, of course, in constant motion and fed direct from the boiler by a one eighth inch tap. This invention will make travelling at night safer than in the day time. The electric light will show an obstruction a mile away. Collisions mostly occur on curves, but the cone of light sent out from one of these headlights would pierce the darkness so far in a straight line as to be seen from any part of the curve. It is said the Pennsylvania Railroad purpose to put it on all their engines. It is the most important invention for railroads since the Westinghouse air brake.—Age of Steel.

Cheap burglar alarm.—Drive a leadless nail into the casing over any door, and after closing the door hang a tin pan on the nail when you go to bed. That is to say do all this if you are naturally timid and want a cheap burglar alarm that will work every time.

An experienced buyer of silks says that a good test to secure one from being deceived in the quality of black silk is to pinch a specimen on the bias and afterward pull it in an opposite direction. If the crease made by the pinch looks like a similar fold in a piece of writing paper, reject the piece unhesitatingly. On the contrary, if the mark smooths out and is hardly distinguishable, it is safe to purchase.

An interesting experiment is to be made by a Dr. Zintgroff, of Berlin, who in company with Dr. Chavanne, is about to visit the Congo and the interior of Africa. He takes with him a phonograph wherewith to fix the speech and melodies of hitherto unknown tribes, which, thus received by the instrument, will be forwarded to scientific institutions.

It has been found by a French exploring expedition that off the coast of Morocco and the Desert of Sahara, fish abound at a depth of 1,000 to 1,500 metres. Between Senegal and the Cape Verde Islands the nets of the exploring party reached a depth of from 3,200 to 3,665 metres and brought up many living specimens which have not hitherto been known to exist at so great a depth. In these depths the fecundity of life is prodigious, and at one draught as many as 2,500 fishes were captured.

Professor Ball, the Astronomer Royal of Ireland, after reviewing all the different methods of calculating the distance between the earth and the sun, concludes that the weight of probabilities is in favor of 92,700,000 miles, with a probable error of 300,000 miles.

A CORN CURE.—To cure corns apply a piece of linen saturated with olive oil, night and morning, and let it remain on. It will be found to prove a slow but certain cure; they will never give out at the toe, and some of the corns may be picked out after the oil has been used for a time but care should be taken not to irritate the toe.

If stove polish is mixed with soap-suds, the lustre appears without much rubbing.

HEALTH HINTS.

DRINKING WHILE EATING.—Nature never intended for people to wash down their food while eating. She has wisely placed salivary glands in various places in our mouths, they secrete a fluid for the moistening, besides a chemical action of the food after mastication. This gets the food in a suitable condition for swallowing. Drinking every few minutes while eating prevents the usual flow of saliva; also, it washes down before it can have a chemical action on certain portions of the food. One of the most pernicious habits to health is drinking several tumblers of water while eating; better drink warm drinks. The stomach will not digest one particle of food when it has a temperature below 100° Fahrenheit; neither will it digest one atom of food until all the fluid is first absorbed. No healthy person should drink more than a half-pint of some mild fluid while taking food, and dyspeptics should not drink a drop while they are eating, nor for three or four hours after.

Bicycle-riding is one of the best forms of exercise for brain-workers, for the reason, among others, that it is impossible to think of anything but the management of the machine itself while riding. On horseback a man can give his thoughts full swing; on the 'bike' his whole mind must be on the alert to guard against accident, and so is drawn absolutely away from its ordinary channels. This gives complete and refreshing rest.

A new tricycle has been introduced which is so constructed as to enable the rider to ascend steep grades without dismounting. Tricycle-riding is growing rapidly in popularity.

VARIETIES.

'Don't tell me you won't,' said an Elmira father to his little daughter of six summers. 'Well, but papa,' said the artless little one, 'what shall I say when I mean I won't?'

An experienced man of Plattsburg says, 'if there is one time more than another when a woman should be entirely alone, it is when a full line of clothes come down in the mud.'

A Japanese woman dresses her hair once in four days.

Use the best language in your common conversation at home, and you will soon acquire the habit of using it on all occasions.

A subscriber complained that his newspaper was damp. 'Well,' said the editor, 'it is because there is so much due on it.'

When are kneading and kneading both alike?

Kneading of bread before baking it makes it whiter when it is baked. Kneading of bread to eat makes a person whiter and whiter the longer he needs it.

The repetition of portions of a stanza in singing often makes the most absurd nonsense. Dr. D. S. Robinson gives the following as an illustration: 'Once when I was preaching in a church beside the Hudson river, in May, the busiest month of the fishing season, I gave out the hymn, 'Jesus lover of my soul.' The leader set it to a tune which, for the sake of some man's 'musical thought,' repeated half of the final line. When I heard the first, I shrank with consternation in frightful prospect of the second; for the movement ran thus:—'O receive—O receive—O receive my soul at last.' That did no harm; it was simply unnecessary. But the next was awful. When I repeat it, it will be supposed a joke, although I am writing in sad earnest of a fact which almost destroyed my service:—'Cover my defenceless head—With the shad—with the shad—with the shadow of thy wing.'

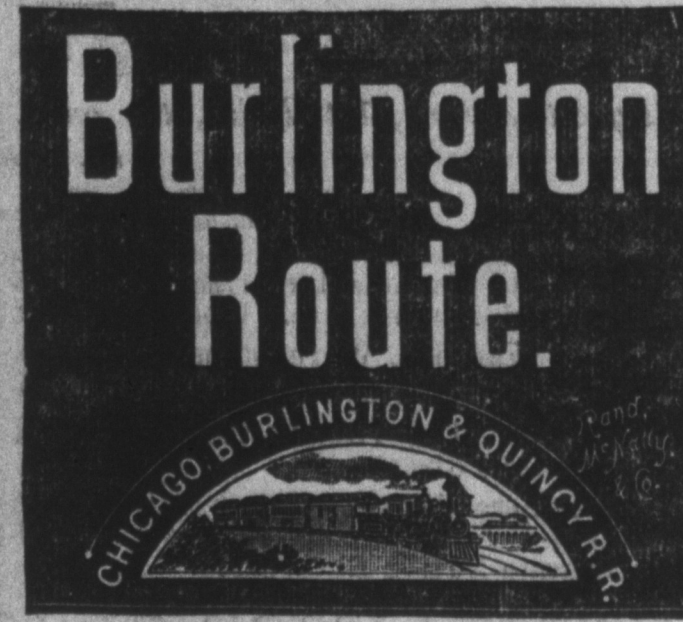
'Who was the straightest man in the Bible?' 'Joseph.' 'Why?' 'Because Pharaoh made a ruler of him.'

At a church meeting some of the members complained that nobody spoke to them, whereupon a member submitted to their attention this emendation of Dr. Watts:—

'Whene'er I go or come from Church, How many folks I see; And 'cause I never speak to them, They never speak to me.'

WANTED TO HEAR HIMSELF.—'Why do you mutter that way when you read?' asked a man of an old negro who sat mumbering over a newspaper. 'How ought I to read, sah?' 'Why, read without moving your lips.' 'What good would dat sorter readin' do me? I couldn't heah it. When I reads I wantter read so I can heah what I's readin' about.'

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