

FARM, GARDEN AND HOUSEHOLD.

Garden and Orchard Notes.
Lettuce is a good crop to grow between the cabbage rows.

To cut a border smooth use the corner, not the square edge, of the spade.

The vegetable crops that do well on a northern aspect are cauliflower, broccoli, lettuce, parsley and spinach.

C. M. Hovey says the pear has been grafted on the quince for 200 years without causing the slightest variation in the fruit.

Bean poles should have their ends dipped in crude petroleum, or slightly charred, to prevent rotting, and they should be placed before planting the beans.

There is nothing that makes a prettier and fresher colored garden walk than fresh tanbark. It is death to grass and weeds and can be renewed with a very thin coating.

Trees intended for planting should not have their roots exposed to the sun or wind so that they can dry out. The roots must be kept moist if the trees are expected to live.

A grape arbor throws a shade a long way, and should, if practicable, be placed upon the north side of the garden. So with pole beans and other high growing roots and vegetables.

The Baldwin bears the same relation to apples that the Wilson does to strawberries, that is it is best adapted to general purposes, and is suited to a greater variety of soils and climates than any other variety.

Shade is death to a garden. If the trees that cut off the sun are too valuable to be removed, then have them topped. It improves their healthfulness and renders their shade more dense, but not so far reaching. Thus the garden escapes.

After repeated trials I feel satisfied that paraffin, when employed with the care that such a powerful agent needs, is one of the greatest boons to gardeners for the destruction of the many insect pests with which plants are beset.—*The Garden.*

In planting young trees firm in the soil with the feet about the roots, and do this several times, as the loose soil is put in, but do not use water unless the soil is very dry, as it is apt to leave large and dangerous cavities under the roots.

Don't manure your pear trees with stable manure if you would have your trees escape the blight. Apple trees will be benefited by the application, but pear trees won't stand it. Thin soil is best for pears.

Plant tansy at the roots of your plum trees, or hang branches of the plant on the limbs of the trees, and you will not be annoyed with curculio. An old and successful fruit-grower furnishes the above, and says it is the most successful curculio preventive he has ever tried.

Household Hints.

Cheese is very nice for the table grated.

In icing cakes dip the knife often into cold water.

Vegetables should not be washed until just before cooking.

Kitchen floors painted with boiled linseed oil are easiest cleaned.

Washed colored hose in milk-warm water, rinse, turn and dry quickly.

If table cutlery is kept clean from the start, little trouble will keep it in order.

To cleanse ivory ornaments, rub them well with fresh butter—i. e., without salt—and put them in the sunshine.

Salt provisions of whatever kind are said to lose more of their saltiness by being soaked in sea water than in fresh.

Dip a new broom in hot water to make it durable. To keep a broom from getting stiff and hard hang it in the cellar way.

Old wall paper can be very much improved in appearance by simply rubbing it well with a flannel cloth dipped in oat meal.

When milk scalds will render it sweet again. The whey separates from the curd, and the former is better than shortening in bread.

Recovering Potatoes on the Same Ground.

Rotation of crops and in holding office have long been popular rules, but to both there are occasionally valid exceptions. The advice is frequently given to correspondents of newspapers not to plant the same ground twice in succession with the same crop. Although this is good advice it does not follow that good crops cannot be had off the same ground twice in succession. We lately saw it stated that a good crop of potatoes could not be had from a field having them in the previous year. This is not the experience of those who have tried it, and those who desire potatoes on the same ground may continue raising them for several years and raise good crops. "We have in mind one who has for six years raised potatoes on the same ground, and he has had as good crops as his neighbors who have changed their ground. He manures regularly every spring. This proves that good crops can be raised in this way, and those having no choice of ground should not be afraid to use the same land for their crop.

As an innocent-looking old man was going up Washington street, a drayman nodded at him and asked: "Want a drag, mister?" "No, I guess not," replied the old man; "I'm too far from home, and can't pay freight on it. Much obliged, though. Vicksburg is a powerful town. A fellow back there asked me if I didn't want a coat; another inquired if I wanted a hack, and now you offer me a drag. I wish I lived here."—*Vicksburg Herald.*

About Diamonds.

No stone, however precious, says a New York correspondent, has ever been discovered to take the place of the diamond. It is among the earliest known in history, including Scripture mention. "Diamond" is derived from the word "adamant." This is suggestive of its hardness, and yet it is only carbon, and when burned disappears as carbonic acid gas. London is the great diamond market of the world, New York being supplied from this source. The finest diamonds come from Brazil, but generally reach the market through London. Africa is also an important source, and they are shipped from Cape Town to the British capital, where they are cleaned and prepared for use. The Golconda mines have long since ceased to be productive, and hence are abandoned. African diamonds occasionally reach forty-five carats weight, which, in point of size, equals a walnut.

The term "carat" is very common in the jewel trade, and yet is so little understood that a brief explanation may be appropriate. The "carat" is an imaginary weight, and is applied to both diamonds and gold, but with different meanings. When applied to the former it means size, but when to the latter it refers to purity. The value of gold is estimated by dividing it into twenty-four imaginary parts called "carats." If twenty be pure gold then there are four parts alloy. In the diamond trade a "carat" is equally imaginary, but it is reckoned at a little more than Troy weight. The value of diamonds is \$25 per "carat."

The art of diamond cutting was invented in Holland, and for a long time it was limited to Amsterdam. It has of late years, however, been introduced to this city. The process is very slow, being done entirely by hand, and hence it may require three months or more to finish one stone. The famous Pitt diamond required two years to go through this process. There is a score of diamond cutters in this city who can make \$100 a week, being the best paid mechanics in the world. John street and Maiden lane are the centers of this class of workmen. The price of diamonds here varies from seventy-five cents to \$10,000. The former will purchase tiny specks too small for setting, and only useful to form initials or figures.

Tiffany & Co. are said to have a capital of \$3,000,000, on which they carry double that quantity of stock. They have some very pretty trinkets which I looked at with much interest, but omitted purchasing, "having left my pocketbook at home." Among these was a pair of earrings priced at \$5,000, and a pair of bracelets quoted at \$4,500; also a pearl necklace and a pearl pendant, each at \$14,000. They had recently sold a pair of diamond earrings of unusual value for \$16,000, but they have still on hand a "lace bow" of small diamonds, being a new Paris style, imitating thread lace, the price of which is \$5,000. A tiny imitation of a peacock's feather was offered me at \$7,000. It is composed of diamonds, with a large one for the eye of the feather. The latter is yellow in color; had it been white the price would have been \$10,000. Diamonds, however, are not the only costly stones. I saw what was called a "cat's-eye" sapphire, priced at \$1,800, and an opal, with branch and pendants, held at \$47,000. The salesmen informed me that the highest price ever paid for one set of diamonds was \$100,000. It included a necklace, earrings and pendants, and must have been a rare thing in its way.

Washington Monument Corner-Stone.

In excavating at its base for the purpose of strengthening the foundation of the Washington national monument, a part of the original corner-stone, which was laid with such impressive ceremonies on the fourth of July, 1848, has been exposed to view. This stone, which lies at the northeast corner of the structure, our readers of the present generation may be interested in knowing, is of white Maryland marble, composed of the large sparkling crystals which so strongly mark that formation. Only a portion of the north side and a little of the top of the stone is visible, and no portion of its inscription is to be seen. The cavity of receptacle, which contains the numerous articles deposited in it, is securely sealed by a thick stone slab hermetically covered and secured still further by iron bolts carried through, and no doubt strongly fastened on the lower side. This slab or cap contains an inscription, cut in not very legible characters. The only part of this legend that could be seen reads: "Rutherford, Wash." and doubtless is the name or part of the record of the stonecutter who presented or prepared the cap.

This is, we believe, the third time the corner-stone has been exposed to view since the work of excavation and strengthening the foundation of the monument has been going on; and after it is hidden from sight by the stone work and concrete it is not likely that it will ever be seen again by mortal eyes, until in some far future age, when the vast structure shall have fallen to ruins, through the action of time and the elements, or been prostrated by some extraordinary convulsion of nature.—*Washington Star.*

Bridemaids wear simple and charming dresses of white muslin with colored ribbons and Leghorn hats, in English fashion, or else they have white Spanish lace veils draping the head like the mantillas of Spanish women.

Chest Development and Consumption.

It is stated that during the last twenty-five years not a single singer has died of consumption at St. Petersburg, although this disease has far outnumbered all others and now holds the first place among the causes of death in the Russian capital. From this and other facts Dr. Vasiliev draws an inference in favor of the exercise involved in singing, as a preventative measure against consumption. There would seem to be room for question as to the relation of cause and effect. It may either happen that singers are not consumptive because they can use their chest and throat freely, or that consumptive persons are not singers because the weakness which precedes disease incapacitates the chest and throat for exertion. Both of these hypotheses are true up to a certain point, but neither holds good in all cases. A very little observation will suffice to show that a good singing voice may co-exist with a weak or diseased chest, whereas the perfectly healthy may be unable to sing.

It was some forty years ago a common practice to give consumptive patients a specially arranged tube to breathe through with a view to exercising the chest. We venture to hope the experiment will not be repeated. Chest development can only be accomplished in a manner consistent with health during the growing stage of childhood, and then the most natural and convenient methods of exercise are the best. Later on in life great mischief may be done by unduly straining the muscles of the thorax and those of the throat, besides the peril of injuring the smaller tubes and air vessels of the lung by violent exertion, for which the organs of respiration and voice are not adapted because they have not been early trained.—*London Lancet.*

The Force of an Indian Arrow.

The Indian bows are made of extremely rigid wood, but the power to bend them effectively comes more from practice than mere physical strength. General Brislin says:

I have seen a slight and small white man bend with ease the strongest bow when he had once acquired the art. A white man, too, can send an arrow as far and as deep as an Indian. I once had an officer named Beiden with me, who had lived twelve years with the Indians, and he could shoot an arrow into a buffalo while running so that the point would come out on the opposite side. He would also plunge an arrow into a bear so that it disappeared, and not even the notch remained visible. The power of an Indian bow can be better understood when it is known that the most powerful revolver will not send a ball through a buffalo. Beiden said he had seen a bow throw an arrow five hundred yards, and I myself have seen one discharged entirely through a board an inch thick. A man's skull was found in the West transixed to a tree by an arrow, which had gone entirely through the bones, and fastened itself so deep in the wood as to sustain the weight of the head. The man most likely had been tied to the tree, and then shot.

Cut hot bread or cake with a hot knife, and it will not be clammy.

Consumptives gain in flesh, strength and spirits under a daily use of Malt Bitters.

A man was arrested in Buffalo for stealing a barrel of salt. When arraigned in court he pleaded destitution.

"You couldn't eat salt," said the judge.

"Oh, yes I could, with the meat I intended to steal." This reply cost him six months. The judge had no appreciation of delicate humor.

Nervous, sleepless and overworked and rest and nourishment in Malt Bitters.

The late Louis Clapp, of Lee Center, Ill., who left an estate valued at \$400,000, bequeathed \$150,000 for an agricultural college in that county on condition that \$100,000 additional be raised for its endowment.

He held a seductive-looking piece of jewelry in his hand as he kept telling—"only 25 cents and did you ever see anything as cheap?" "Yes," roared one of the crowd, "Dr. Bull's Balm Syrup is the cheapest and best remedy known for children."

A society for the prevention of piteating has been started in Boston. The New York Commercial says it will be patronized by the upper crust.

In Powder Form.

Vegetine put up in this form comes within the reach of all. By making the medicine yourself, you can save a good deal of money, and the taste is so good that it is sure to be taken by the sick. It is sold in bottles of the liquid Vegetine. Thousands will gladly avail themselves of this opportunity, who have the convenience to make the medicine. Full directions in every package.

Vegetine in powder form is sold by all druggists and general stores. If you cannot buy it of them, enclose fifty cents in postage stamps for one package, or one dollar for two packages, and I will send it by return mail. H. R. Stevens, Boston, Mass.

The Best.

William H. Wilson, M. D. Springfield, Effingham Co., Ga., says: "I prescribed Hunt's Kidney and Bladder Remedy in a complicated case of Dropsy which I had been treating for eight years, and I find Hunt's Remedy is the best medicine for Dropsy and the Kidneys I have ever used." Trial size, 75 cents.

Household Needs.
A book on the Liver, its diseases and treatment sent free. Including treatises upon Liver Complaints, Dropsy, Jaundice, Biliousness, Headache, Constipation, Dyspepsia, Malaria, etc. Address Dr. Sanford, 123 Broadway, New York city, N. Y.

The Voltaic Belt Co., Marshall, Mich. Will send their Electro-Voltaic Belt to the afflicted upon 30 days trial. See their advertisement in this paper headed, "On 30 Days Trial."

Lyon's Heel Stiffeners keep boots and shoes straight. Sold by shoe and hardware dealers.

A CATHARTIC. To all who are suffering from the effects of indigestion, nervous weakness, early decay, loss of memory, etc., I will send a recipe that will cure you. FREE OF CHARGE. This great remedy was discovered by a missionary in South America. Send a self-addressed envelope to the Rev. JOSEPH I. INMAN, Detroit, Mich., U. S. A.

City Contrasts.

A New York letter says that for every aristocrat who can buy Tiffany's diamonds there are 20,000 of suffering poor who are hardly able to contend with the wants of nature. The Fifth avenue, which is now built up to the extent of three miles, containing a thousand families whose annual expenses may be each estimated at \$30,000, including rent or interest on house. This would make an aggregate of \$30,000,000, which is equal to the wages of 30,000 workmen, and (supposing them to be married) to the support of that number of families. What a contrast between the tenement house and its crowd of sickly and half-starved inmates and those spacious palaces at Murray hill! Then, too, what a contrast between the poor girl who starts before seven o'clock after a hurried and meager breakfast, clad in the plainest attire of poverty, and those gay creatures who seem waking exhibitions of dressmakers and jewelers. The butterflies of fashion may display from \$10,000 to double that sum in dress and diamonds at an evening party, while a poor girl is glad to earn fifty cents per day.

There is one reason at least why type-setting machines ought to become very popular with editors. They cannot yell for copy.—*Rome Sentinel.*

Baby Prizes, \$600.
An eminent banker's wife of —, N. Y., has induced the proprietors of that great medicine, Hop Bitters, to offer \$600 in prizes to the youngest child that says Hop Bitters plainly, in any language, between May 1, 1880, and July 4, 1881. This is a liberal and interesting offer, and everybody and his wife should send two-cent stamp to the Bitters Mfg Co., Rochester, N. Y., U. S. A., for circular, giving full particulars, and begin at once to teach the children to say Hop Bitters and secure the prize.

D. BULL'S BABY SYRUP
SORE EARS, CATARRH.
Many people are afflicted with these loathsome diseases, but very few ever get well from them. This is owing to improper treatment, and as they are really curable, it is proper to treat them as they are. Send for a bottle of D. Bull's Baby Syrup, and you will be cured. It is a simple, safe, and sure remedy. Price, 25 cents per bottle. Address: D. B. BULL, MARSHALL, MICH.

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50 CENTS A PACKAGE.

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H. R. Stevens, Boston: I have been practicing medicine for twenty-five years, and as a remedy for Scrofula, Liver Complaint, Dyspepsia, Rheumatism, Weakness, and all Diseases of the Blood, I have never found its equal. I have sold Vegetine for seven years, and have never had a better returned. I would heartily recommend it to those in need of a blood purifier.

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Mr. H. R. Stevens—Dear Sir: My little daughter Stella has been afflicted a long time with Scrofula, suffering everything. I employed different physicians, but all failed. I bought some of your Powder Form Vegetine, and my wife steeped it and gave it to the child according to the directions, and we were surprised in a fortnight's time to see how the child had gained flesh and strength. She is now gaining every day, and I can cheerfully recommend your remedy to be the best we have ever tried.

Respectfully yours, J. T. WEBB.

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