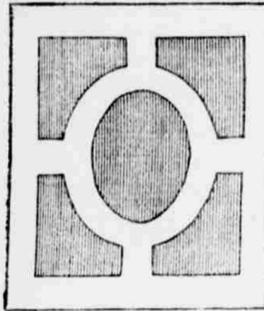


FARM AND GARDEN.

ONE WAY OF MAKING PLANT LABELS THAT WILL LAST YEARS.

Care of Spring Lambs—A Remedy for Hog Cholera—How and When to Water Horses—Simple and Ornamental Beds for Flower Gardens.

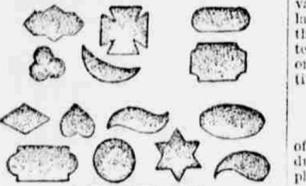
When the question of laying out a flower garden arises, as it will with many at this season of the year, the locality is the first thing to be decided upon. As to this, it is not advisable to renounce a smooth, velvety expanse of grass in front of the house in favor of flower beds.



TASTEFUL DESIGN FOR FLOWER GARDEN.

The next consideration is the plan or design by which the flower beds and the intervening walks shall be laid out. It is not well for the amateur to undertake anything intricate in this line.

The second cut affords a wide choice in models for ornamental beds. For a small garden Vick recommends crescents, stars and diamonds, as beds easy to make and care for, and in his popular monthly gives some valuable hints for arranging contrasting colors in them as follows:



ORNAMENTAL BEDS.

Stars or diamonds can be planted with tall growing plants in the center, using lower growers about them and edging the beds with such plants as sweet alyssum, candytuft or mignonette.

Remedy for Hog Cholera. The Southern Cultivator some time ago published a communication from a well known planter of Calhoun county, Georgia, telling how he had checked the ravages of cholera among his swine by mixing with their food a moderate quantity of soda.

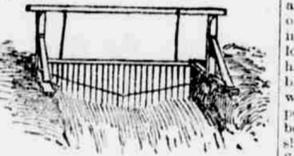
Treatment of Spring Lambs. After the lamb is a few days old, if thought necessary, it may be taught to suck some warmed sweetened cow's milk, and any help to its growth, in the shape of extra food, will be useful.

plants with the ranker growth of some field crop that overtops them and deprives their leaves of light and air. Rye sown in infested fields reduces thistles by its quick and taller growth and prepares the ground for seeding, down to clover and timothy, which in a year or two so preoccupy the ground as to drive out the thistles.

Instances are on record where thistles have been entirely eradicated without losing the use of the land, but growing a crop every season. One plan is to make the land rich as possible at least get it seeded to clover or similar crop and by fertilizing get an early growth so as to mow for hay just as the thistles begin to show bloom.

Destroying Canker Worms. The female of the canker worm does not possess the power of flying, and can only reach the extremities of the limbs on which she deposits her eggs by crawling up the trunk. They begin this with the first warm days of spring weeks before buds and leaves are ready to put forth.

A Good Flood Gate. The Ohio farmer attests the merits of the flood gate here represented. The gate from which the picture was taken was the only one in the neighborhood that withstood a trying flood which swept all others before it.



A FLOOD GATE.

The sketch explains itself: Get two mud sills, oak, 8 or 10 feet long and 15 or 20 inches in diameter. Hew one side and cut a mortise in center of each. Lay one on each side of stream, heve side up, with top about level with low water mark.

Suggestions for the Month. Help horses and cattle to shed their coats by frequent applications of the curry-comb and brush. As the time approaches for cows to "come in" reduce their food, giving plenty of good, sound hay.

Evaporated Fruit. Much has been said against the practice of exposing fruit to the fumes of sulphur during the process of drying. If sulphured fruit endangers the health of those who use it, or is unpleasant to the taste or smell, then the practice ought to be discouraged.

Facts Farmers Ought to Know. The value of merchantable corn is reported, for the whole country, 2.7 cents higher than one year ago. The farm prices average about 35 cents per bushel.

New Method of Veneering. A new method of securing veneer to its base consists in spreading glue or other adhesive matter between the veneer and the base, passing the two secured parts under a heated roller to melt the glue and cause it to enter the pores of the wood, then finally passing the connected base and the veneer under chilled rollers to harden and set the glue, and prevent the warping or shrinking of the veneer consequent upon the gradual cooling or drying of the glue.

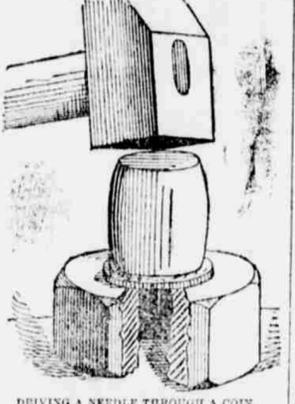
The Beauty of Hebron potato has become one of the leading varieties for general culture in Great Britain. It is said that not less than 2,000,000 pounds of dried sage leaves are used annually in the United States for various purposes.

SCIENCE AND PROGRESS.

THE RED MAN'S STUPIDITY IS NOW TERMED STUPIDITY.

The Apparently Difficult Problem of Driving a Needle Through a Copper Coin Is Solved by a Very Easy and Inexpensive Experiment.

We know that one body is harder than another when it is capable of scratching the latter. A piece of glass scratches marble; a bit of diamond scratches glass; so glass is harder than marble and the diamond is harder than glass.



DRIVING A NEEDLE THROUGH A COIN.

The problem at first sight appears insoluble, because if we endeavor to drive a needle into a coin just as we would drive a nail into a board, we never fail to break the needle at each attempt, since steel, though very hard, is very brittle.

Under such circumstances, place the needle and its cork over a cent laid upon a bolt nut, or even upon a table that you do not fear to injure, and then take a somewhat heavy leaden hammer and strike the cork with a hard blow, as shown in the figure.

The prevalent belief that an Indian bears pain with perfect composure is likely to be overturned, says Science, by the observations of Dr. Corbush, among the Apache Indians. He finds that they do not endure physical pain any better than, if as well as the whites.

Some wells near Geneva, Switzerland, have barometric properties. They have been closed at the top, except for a small air hole, and through this the wind blows in or out, according to the conditions of atmospheric pressure, sometimes with force enough to make a sound like that of a steam whistle.

A Novel Life Preserver. A novel device for life preserving at sea is one introduced by a Philadelphia (Pa.) inventor. It consists in automatically inflating canvas rafts, etc., by means of gas which is carried in a capsule under pressure.

New Method of Veneering. A new method of securing veneer to its base consists in spreading glue or other adhesive matter between the veneer and the base, passing the two secured parts under a heated roller to melt the glue and cause it to enter the pores of the wood, then finally passing the connected base and the veneer under chilled rollers to harden and set the glue, and prevent the warping or shrinking of the veneer consequent upon the gradual cooling or drying of the glue.

The Walrus a Timid Animal. Mr. Elliot denies the courage and ferocity commonly attributed to the huge, bilious monster known as the walrus or sea horse. It is, on the contrary, abjectly timid, and so covered with a wrinkled, warty, pinchy hide as to recall degraded human "blonds."

Nickel Plating Zinc. A scientist writes in a German publication in regard to nickel plating zinc (which has hitherto resulted so unsatisfactorily) that it can be successfully and easily accomplished by first dipping the zinc in mercury. A fine plating of the nickel can then be secured on the zinc with even a feeble galvanic current, durable and susceptible to the highest polish.

The Food of "Our Daddies."

"Have you ever your daddies and eat a good bowl of arrow root milk for your breakfast," said the learned doctor, "and you will not need any medicine. Indian arrow root is an American institution. As the staple food of 'our daddies' it can really be said to have helped to lay the foundation of this great republic. With its product, the hog, it was in the not very remote past the sole food supply of the rural districts, and the dishes that can be prepared from its various forms are of much greater variety than can be prepared from wheat. Like Sambo's rabbit, it is good to roast, to bake or to boil, and it can be fermented and turned into whiskey, but its stimulating qualities are best procured by making it into a mush. It contains a large amount of nitrogen, has qualities anti-constipating and is easily assimilated. Though originally the poor man's food, it has come to be the rich man's luxury. It is cheap and has great nutritive properties. A course of Indian meal in the shape of Johnny cake, hoo cake, corn or pone bread and mush, relieved by copious draughts of pure cows' milk, to which, if inclined to dyspepsia, a little lime water may be added, will make a life now a burden well worth the living, and you need no other treatment to correct your nervousness, brighten your vision and give you sweet and peaceful sleep."—New York Mail and Express.

Beecher's Habits of Labor.

Mr. Beecher's powers of work have been frequently spoken of. Maj. Beecher was saying the other day that he thought them at times unlimited. "Just look at what he did this last year," the major added. "A man of 75, he preached and lectured eighty-three times in the three months he was in England, and then returned to resume his work here without a break. He has preached here twice a week since, and lectured on Fridays and made many public addresses."

Though methodical in his habits of labor he could never work when he did not feel in the humor for it. "I can't work unless the sap flows," was his common remark when urged to finish the "Life of Christ." His correspondence was immense. If away for a few days his table would be covered with letters from all over the world. He was punctual in replying to all that he found worth answering. This was about the only writing he was accustomed to do at night.—New York Tribune.



ROYAL BAKING POWDER Absolutely Pure.

This powder never varies. A marvel of purity, strength and wholesomeness. Not comparable with the ordinary kinds, and cannot be sold in competition with the multitude of low cost, short weight alums or phosphate powders which, in many instances, bear the name of Royal Baking Powder Co., 106 Wall St., N. Y.

Legal.

EXECUTORS SALE OF REAL ESTATE.—STATE OF ILLINOIS, La Salle County.—La Salle County. In the matter of Isaac T. Van Doren, as executor of the last will and testament of Andrew Waterhouse, deceased, vs. Henry Lancy, Manuel Holzman and Maria O'Brien.—Petition for order to sell real estate to pay legacies.

FINAL SETTLEMENT.—ESTATE OF JAMES KELLY, DECEASED.—Notice is hereby given to all persons interested in said estate, that the same will appear before the Probate Court of said county on the 18th day of April, 1887, at 10 o'clock a. m., in said county, when and where all persons having claims or demands against said estate are notified to attend said court, and to file in writing for the purpose of paying the legacies mentioned in said will.

NOTICE.—ESTATE OF JOHN KARNES, DECEASED.—Notice is hereby given that the undersigned, executor of the last will and testament of John Karnes, late of the county of La Salle and state of Illinois, deceased, will appear before the Probate Court of said county on the 18th day of April, 1887, at 10 o'clock a. m., in said county, when and where all persons having claims or demands against said estate are notified to attend said court, and to file in writing for the purpose of paying the legacies mentioned in said will.

CLARENCE GRIGGS, STATE OF ILLINOIS, LA SALLE COUNTY.—Probate Court of La Salle County, to the May Term, 1887. James Sexton, Administrator of the Estate of Thomas Palmer, deceased, vs. James Palmer, David M. Davis, John Palmer, John A. Barlow, Martha Palmer, John Palmer, and the Unknown Heirs and Widows of Thomas Palmer, deceased.—Petition for order to sell real estate to pay debts.

NOTICE.—ESTATE OF SAMUEL J. HUGHES, DECEASED.—Notice is hereby given that the undersigned, Administrator of the estate of Samuel J. Hughes, late of the county of La Salle and state of Illinois, deceased, will appear before the Probate Court of said county on the 18th day of April, 1887, at 10 o'clock a. m., in said county, when and where all persons having claims or demands against said estate are notified to attend said court, and to file in writing for the purpose of paying the legacies mentioned in said will.

NOTICE.—ESTATE OF SAMUEL J. HUGHES, DECEASED.—Notice is hereby given that the undersigned, Administrator of the estate of Samuel J. Hughes, late of the county of La Salle and state of Illinois, deceased, will appear before the Probate Court of said county on the 18th day of April, 1887, at 10 o'clock a. m., in said county, when and where all persons having claims or demands against said estate are notified to attend said court, and to file in writing for the purpose of paying the legacies mentioned in said will.

OTTAWA POST OFFICE.

ARRIVAL AND DEPARTURE OF MAIL. C. H. I. & P. R. R. ARRIVAL. Eastern mail—Chicago, 11:30 a. m.; St. Paul, 11:30 a. m.; Northern mail—Chicago, 11:30 a. m.; Toronto, 11:30 a. m. DEPARTURE. Chicago, 7:00 a. m.; St. Paul, 7:00 a. m.; Toronto, 7:00 a. m. Office hours—Mails from 11:15 a. m. to 12:00 p. m. W. M. GRIMAN, P. M.

Chicago, Burlington and Quincy R. R. TIME TABLE.

Table with columns for Going South, STATIONS, and Going North, listing train numbers and departure times for various routes.

Chicago, Rock Island and Pacific Railroad.

Table with columns for Going East and Going West, listing train numbers and departure times for various routes.

Chicago, Alton & St. Louis Railroad.

Table with columns for Going North and Going South, listing train numbers and departure times for various routes.

Illinois Central Railroad.

Table with columns for Going North and Going South, listing train numbers and departure times for various routes.

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