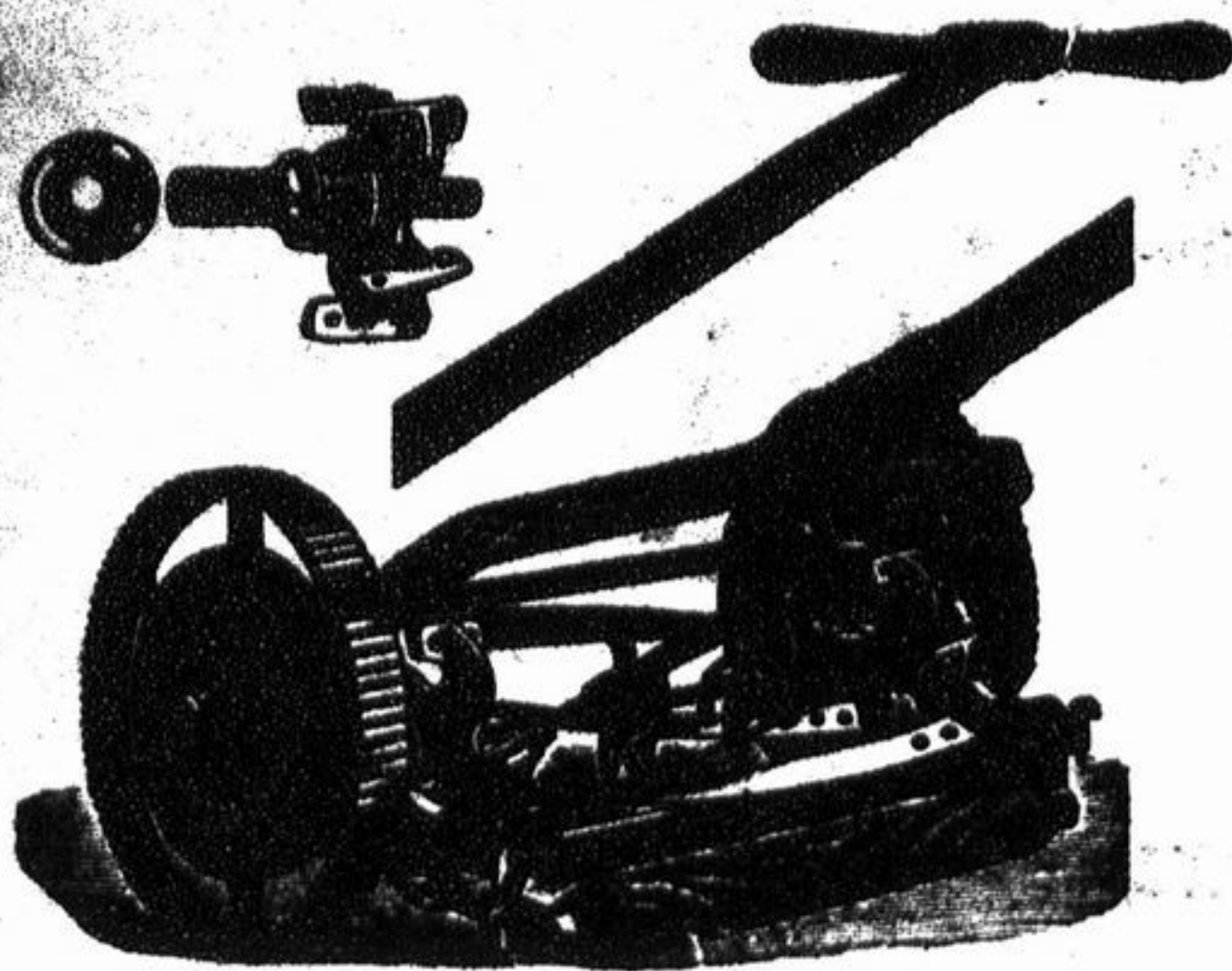


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Bedding Fruit Trees. It is sometimes desirable to bud or graft trees at a time when cleft grafting can not be done. The work can be done in late August, September and early October. The purpose of budding trees is very much the same as that of grafting. The apple, plum and rose-bush particularly, may be operated upon to advantage and with good results. The work of budding can be done by a sharp, round-pointed knife and a piece of yarn. Usually the best results follow by selecting a place where the branch is from 3/8 to 1/2 inch in diameter, and where the bark is smooth and healthy. With the rounded part of



THE STEPS IN BUDDING.

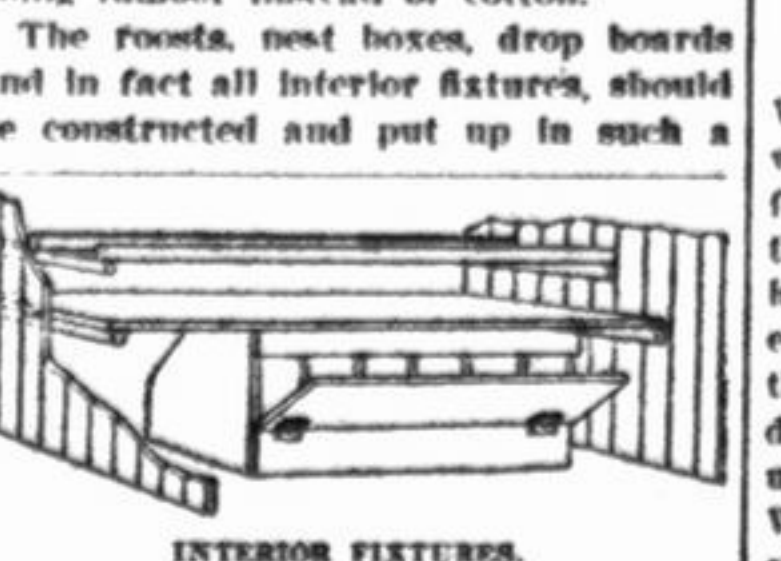
the knife cut lengthwise of the branch, just through the bark, a slit about 1 1/2 inches long, and at the top of this slit cut across about 1/2 inch, as shown at a. Next remove from a branch of the same season's growth of the desired variety one of the strong, healthy buds by cutting from below the bud up and under it. Start about 1 inch below the bud and come out again 1 inch above the bud, as at b. Cut deep enough into the wood so as not to injure the bud, and cut it so as not to leave too much wood under the bud. Then place the bud, c, on the end of the knife and push down into the slit, as above described. Push securely in place, so that the bud is about 1 inch below the upper cut. Then wrap carefully with yarn, as at d. In two or three weeks examine and see if the bud has grown fast and so that the yarn is not injuring it. Should the yarn be loose, retie. The bud should start to grow the following spring. Success largely depends upon whether the stock is growing vigorously or whether the bud is healthy. The bud serves the same purpose as the scion in grafting. From it springs a limb which will produce the kind of fruit borne by the tree from which the bud was taken.—W. H. Underwood, in Farm and Home.

Curtain Front Poultry House. The style of curtain front house shown is of the shanty roof type, 8 feet 5 inches high at the front and 4 feet 6 inches at the rear. The width of this



CURTAIN FRONT POULTRY HOUSE.

In any of the houses may be varied to suit the builder. The front of this house consists of a curtain on a frame hinged in such a way that it may be swung to the roof to allow the sunshine to enter. The plans of the curtain front houses lend themselves to the construction of an enclosed house by using lumber instead of cotton.



INTERIOR FIXTURES.

way that they may be easily removed for cleaning and disinfection. The diagram illustrates how they may be arranged with advantage in any house. The roosts should rest in sockets, and the drop boards should not be nailed in place, but simply rest on the cleats at the ends.

Getting a Start with Sheep. When the farmers in the corn and grass states reach the point where they have their fields all fenced hog tight, they should not delay for any considerable length of time getting a start in sheep, says Wallace's Farmer. It is not necessary to have a large flock. It is a good deal better not to have it for two or three seasons: One is that sheep do not do well with hogs and cattle. This is the reason why so few sheep are kept in the hog and cattle country. Another reason is that those who have had no experience in sheep would do well to advance slowly, and, if need be, retreat rapidly. Twenty-five ewes and a good buck are as many as the inexperienced farmer should start with. The expense of these is comparatively small, the possible loss therefore not great in case the man should prove not to be a fit man to handle sheep. There are some men of this kind. The chances of loss, however, are very small where the farmer has any kind of sheep gumption about him.

Testing the Health of an Animal. The pulse of a horse when at rest beats forty times per minute; of an ox from fifty to fifty-five; of a sheep and a pig about seventy to eighty. The pulse may be felt wherever a artery crosses a bone. It is given

ally examined in the horse on the cord which passes over the bone of the lower jaw in front of its curved position, or in the bony ridge above the eye; and in cattle over the middle of the first rib; in sheep by placing the hand on the left side, where the beating of the heart may be felt. Any material variations of the pulse from the figures given above may be considered as a sign of disease. If rapid, hard and full it is an indication of high fever or inflammation; if rapid, small and weak, low fever, loss of blood or weakness. If slow the possibilities point to brain disease, and if irregular to heart troubles.

Protect the Birds. The farmer is liable to forget his bird friends, and wish to tell some of my farmer friends what I have done this spring, in regard to our quails. When our assessor came around I gave in some quails, as well as domestic fowls for taxation, as I knew about how many we had on our farm when winter was over. Some will say that you could not tell how many birds you have, because they will be on your farm one day, and on your neighbor's the next. While that is true, do not our domestic fowls go over on our neighbor's place, also, if you give them opportunity to do so? Which most people do that I know of. But do they not come back home every evening to roost? It is the same with the quail, and he will roost on the farm where he was bred and hatched, providing he is unmolested by hunters, hawks, etc. If you were to chase your domestic fowls with dog and gun one-tenth as much as you do the poor little quail, in the fall of the year, do you think that there would be many chickens on the roost in your chicken house at night?

The writer has known coveys that after being chased and shot at all day, would be whistling the call just at dusk, and after getting back together would fly to roost. I think that anything that is as valuable as the quail and stays with you through such circumstances, should be protected better than most of our farmers are doing.—J. H. T., in the Indiana Farmer.

The Black Raspberry. The black raspberry has its peculiarities, and among them is that of the annual travel to new soil by means of the tips. Stocks from the hill are comparatively worthless for new plantations; and growers of valuable varieties must obtain their plants from the tips of the present year's growth. The first part of July, if it has not been attended to sooner, when the growing canes have reached the height of 4 feet, nip out the point with thumb and finger, and soon branches will come out along the cane, increasing the number to take root, and adding to the productiveness of the plant the next season. Leave the bearing cane in its place until fall. Later, when it is time for the tips to attach themselves to the soil, the rooting can be facilitated by a slight covering of dirt. In preparing for the crop in spring head in the branches to two or three feet, according to their strength.

Intensive Farming. The possibilities of a small farm under intensive cultivation are strikingly shown in the following record of production from eleven acres, located near Reading, Pa.: Three thousand six hundred and fifteen bunches of radishes, 30 bushels of white China radishes, 775 bushels of onions, 1,800 boxes of strawberries, 675 bunches and 20 bushels of beets, 500 quarts of lima beans, 12 bushels of soup beans, 75 bushels of peas, 65 bushels of string beans, 125 bushels of potatoes, 440 baskets of tomatoes, 1,000 heads of lettuce, 5,000 heads of cabbage, 600 dozen ears of corn, 125 baskets of egg plant, 100,000 pickles, 40 bushels of turnips, 12 bushels of carrots, 35 bushels of parsnips, 1,000 roots of horseradish, 2,000 stalks of endive, 20,000 stalks of celery, 25 bushels of artichokes, and 8 bushels of popcorn.

Sow Fall Wheat Early. In the great corn belt of the Middle West most farmers are afraid their wheat will make too much top in the fall and sow very late in order to avoid the Hessian fly. As a rule, however, it is better to sow early enough to get eight or ten inches growth. Harrow the seed bed frequently, making a fine dust mulch, which will conserve moisture and cause regular germination. Wheat put in this way makes a stronger growth in the spring and matures at least a week earlier. If early and late seeded wheat come through the winter without injury the early wheat will always outyield the other, although it may have a tendency to lodge. Watch your own wheat next spring and see how it comes out and then sow next fall at a time to make it better the following year.

Science vs. Superstition. Ill-considered advertising of divining rod achievements is pointed out by a British engineer as a serious injustice to hydrogeological experts and ardent engineers. The mysterious twig showing water no oftener than ordinary guessing. Science has a far better record, and in his own experience water has been found in hundreds of places all over Great Britain by the study of geology and physical geography, not one attempt in fifty having failed where success was confidently expected, and hardly a success having been recorded where conditions seemed adverse.

Largest Duck Farm. Australia is said to have the largest duck farm and the largest incubator in the world. The incubator has a capacity of 11,440 duck eggs or 14,080 hen eggs. The machine is, in fact, a hot-house. It stands in open ground and is constructed of ordinary pine boards, with corrugated iron roof. The egg trays each hold 100 duck or 100 hen eggs, and there are four of these trays, and to end, in eleven tiers, one above the other on each side of the room, making a total of eighty-eight.

Carried Off by Elephant. A wild ride on the back of a runaway elephant across the burning sands of the Jalpur desert in India, ending in a narrow escape from being crushed to death by the huge monster when it fell, was the terrifying experience of Countess Clara von Moltke, a cousin of the famous Gen. von Moltke and a close friend of Queen Louise of Denmark, who was a passenger on the steamer Manchuria recently, says a San Francisco dispatch to the New York Herald. At Bombay Countess von Moltke evinced a desire to traverse a portion of the desert on elephant back. No sooner had she mounted onto the palanquin on the animal's back than the elephant broke from the driver's grasp and plunged across the desert.

The countess managed to cling on. Another caravan from the south came into view and the elephant, hearing the beat of the tom-toms, rushed toward it. The animal emitted a great roar and crashed through the caravan. The shock threw the beast on the ground, and Countess von Moltke fell heavily on the hot sand. She was not badly hurt, however, and was well cared for until her terrified companions came up on their galloping horses.

Testing the Health of an Animal. The pulse of a horse when at rest beats forty times per minute; of an ox from fifty to fifty-five; of a sheep and a pig about seventy to eighty. The pulse may be felt wherever a artery crosses a bone. It is given

WEEKLY WEATHER BULLETIN

U. S. Department of Agriculture, Illinois Section.

For the Week Ending August 17, 1908.

The temperature was below the normal at the beginning of the week ending Monday, August 17; high temperatures obtained the remainder of the week, the highest of the season being registered at some stations on Sunday. The mean temperature was about 4 degrees above normal; the extremes were 50 degrees and 100 degrees. The prolonged drought in parts of the central and northern districts, was broken, in great measure, by satisfying showers that occurred on several days. Many stations in the districts named had rainfall in excess of an inch. Only light rainfall occurred in the southern tier of counties. More moisture is needed in parts of the central district. High, damaging winds were reported in Champaign and Shelby counties on the 12th. There was considerable cloudiness in the northern district; in the other districts there was more than average sunshine. The average for the state was about 70 per cent.

BASEBALL—SUBURBAN LEAGUE.

(Continued from First Page.)

Montaw beat out an infield hit. Seferl started for third and scored when A. Duncan threw wild over third. Montaw was cut down at the plate on Williams' rap to Faunt. Hammesfar lifted a fly to left, which G. Duncan snuffed. Williams reaching third. Donichy's hit past third scored him with the tying run. Maxted ended the inning with a pop fly to Seferl.

Innes started the tenth with a single and MacLean was hit by a pitched ball. Innes was forced at third on Walbaum's rap to Donichy. This time Faunt delivered the timely bingle and MacLean scored. Walbaum was caught over-running third, but he scored when Montaw dropped Williams' throw. Seferl and A. Duncan were easy outs. In Western Springs' half Titworth, Hart and Craig went out in order and the game was over. It was well, for it started to rain at the beginning of the tenth and it is doubtful if another inning could have been played. Score:

Table with columns for team names and scores. Includes teams like Downers, Innes, MacLean, Walbaum, Faunt, Seferl, A. Duncan, G. Duncan, Duglier, Carner, and Craig.

NOTES OF THE GAME. La Grange next Saturday. If Downers can trim La Grange tomorrow it will be them up again. Walbaum was the recipient of lots of kidding due to the absence of shoes on his pedal extremities. It looked so much like rain Saturday morning that Raney didn't take the trouble to bring them along, and rather than take a chance of slipping he played in his stocking feet.

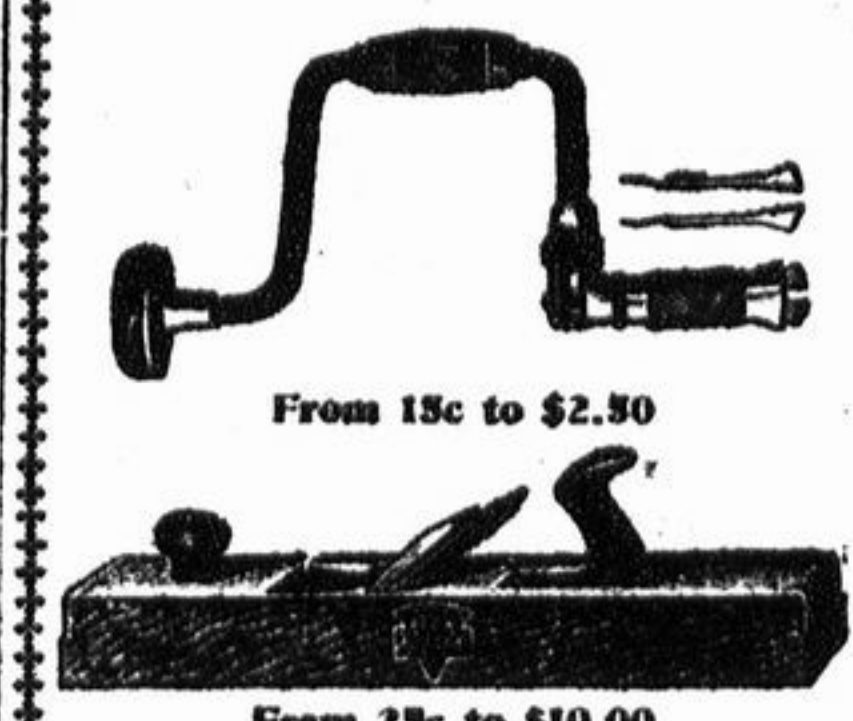
Manager Pentoney and Montaw held a "kidding" match during the progress of the game. The bout was called at the end of the tenth round with honors even.

Innes' error was due to a collision with Duglier while going after Donichy's pop fly in the fourth. Preparations are being made to handle a large crowd at the La Grange game Saturday. If you are one of the spectators kindly assist the management by keeping back of the ropes. If everybody will remember this there will be no crowding along the base lines and the danger to the spectators will be minimized.

Carried Off by Elephant. A wild ride on the back of a runaway elephant across the burning sands of the Jalpur desert in India, ending in a narrow escape from being crushed to death by the huge monster when it fell, was the terrifying experience of Countess Clara von Moltke, a cousin of the famous Gen. von Moltke and a close friend of Queen Louise of Denmark, who was a passenger on the steamer Manchuria recently, says a San Francisco dispatch to the New York Herald. At Bombay Countess von Moltke evinced a desire to traverse a portion of the desert on elephant back. No sooner had she mounted onto the palanquin on the animal's back than the elephant broke from the driver's grasp and plunged across the desert.

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