

Scientific and Useful.

GRUBS IN A COW'S BACK. One of our cows, early this spring, was found to have in her back a large number of grubs, which upon inquiry we found to be larvae of the gadfly which had stung her during the year. To destroy these grubs we applied coal oil to the part infested, and after a day or two they were easily removed and the cow seemed to suffer no harm.

TO TAKE OUT IRON RUST. To one gallon of buttermilk add a large handful of grated horse radish let the goods remain in the milk from twelve to twenty-four hours, rubbing occasionally; then wash out in clean water. Another way is to rub the spots of rust with orach acid mixed in a little water, and exposed to a hot sun.

ABOUT PEACHES. We can graft the apricot on the plum, the peach on the apricot, the almond on the peach, and thus produce a tree with plum roots and almond leaves. The wood, however, of the stem will consist of four distinct varieties, though formed from one continuous layer. Below the almond wood and bark we shall have perfect peach wood and bark, and at the bottom perfect plum wood and bark.

THE HOUSE ARRANGEMENT. The moment we cross the threshold of a dwelling we find the housewife represented by her mode of housekeeping. While we sit in the parlor waiting the presence of the mistress, we study the outlines of her character even in this limited portion of her domain. Not alone in the parlor can we estimate justly her inferior or superior talent for home thriftiness. Kitchen and pantry, closet and cupboard alike manifest her aptness or incapacity for the position of mistress.

MOLD IN CELLARS. The requisites for an abundant growth of mold besides something for it to grow on are dampness and warmth. Dampness is the most common cause. First make the cellar drier by draining; then purify it by burning two or three pounds of sulphur in it. This is the easiest done by putting the sulphur on burning coals (in an old pot or large shovel), close the windows and doors, and be careful not to breathe the gas given off from the burning sulphur, and keep the house above ventilated while doing this. Ventilate the cellar thoroughly before using and repeat it the second time if necessary.

A CHEAP DISINFECTANT. The following is highly commended by those who have used it:—Dissolve a bushel of salt in a barrel of water, and with the salt water slack a barrel of lime, which should be wet enough to form a kind of paste. For the purpose of disinfectant, this home-made chloride of lime is nearly as good as that purchased at the shops and drug stores. Use it freely about sinks, cellars, gutters and outhouses, and in this way prevent sickness, suffering and expense.—Rural New Yorker.

SWARMING BEES. A bee keeper gives the following plan to prevent a swarm of bees from getting away from the hive, with the statement that after ten years' experience he has never known it to fail but once: As soon as they show the first symptoms of swarming, stop up some of the outlets to the hive so as to force them to be a considerable time coming out. The swarm being made up in part of young bees, many of whom cannot fly well, and as nothing can be done by the swarm until all are out, and fly about in the air, by prolonging their exit the feeble ones become tired, and finding their plans frustrated, they alight to arrange their journey. If they can leave the old hive all at once, they are very little about alighting.

COLOR AND HEALTH. Scientific men think they have discovered that certain colors are more advantageous for health than others. An experiment showed that flies' eggs, taken at the same time from the same group, hatched under glasses of different colors about the same time—but, that after a lapse of four or five days the worms were found to vary in vigor very much. Those under green glass were the weakest, under violet the strongest, and under red, white, and yellow intermediate. It would appear, therefore, that where light comes into a living-room through colored glasses, violet should be preferred, and especially it should be tried in hospitals.

QUIETNESS IN MILKING. The cow is naturally sluggish in her movements, and should not be hurried out of her natural gait. She should never be driven to the place of milking faster than a walk, and if she has far to go, the walk should be a slow one. Hurrying a cow when she is full, and the weather warm, hastens the circulation of her blood, and heats both her blood and her milk. A very little heating of the blood perceptibly affects the milk. It increases its odor as well, raises its temperature, and modifies the butter or cheese made from it. On this account driving cows with a dog is not recommended. We have seen the milk of a dairy, numbering thirty cows, perceptibly affected by the milk of a single cow driven in haste.

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