FARM COLUMN.

Out of more than 120,000 species of plants known to botanists only about 250 are used as food plants by man. The plants that have been cultivated and domesticated of later years are principally fodder and forage plants, while forty-four cultivated species have been known for 3,000 years. - Western Resources.

APPLE ORCHARDS.

Some people suppose it is only neces sary to purchase the best grafted apple tree-to h're some inexperienced person to set out trees by the job in a meadow as cheaply as possible, is all that is necessary to grow an orchard. There never was a greater mistake; an orchard set in this manner will be a failure at any rate. The land for an orchard should be deeply plowed, in good order, under high cultivation; the trees carefully taken from the nursery and transplanted with the utmost care. - Western Resources.

RAIN NEEDED IN NORTH DAKOTA.

Bismarck Tribune: Rain is not only needed to check the rapid burning of the grain, but to check the ravages of the gophers. The continued dry weather has cured the grass and the gophers are pouncing down upon the green fields of grain in droves of millions. It is the universal verdict of farmers in this section that the daily damage to their growing grain from the continued excessive heat is fully equalled by the ravages of the gophers. Some farmers report that at least 25 per cent. of their grain has been cut off by these little pests. They are so numerous that in many places they are looked upon as a plague-just as much so as was the visit of grasshoppers a few years ago. They come from long distances and breed like rabbits. A good rain now would be a great relief. It would be a double blessing-scatter the gophers and revive the drooping stalks of grain now faltering between life and death. A week ago no grain ever looked better than that on the Missouri slope, but excessive heat with no moisture has changed the picture. It is not so rosy to plan out well. Those that have been now, yet there is still much good grain left, Root crops and corn are looking not making such records now. They are fine. It is astonishing how much punish- dead. It seems to be a well defined law ment the soil on the slope will stand, but there must be rain soon or the power of endurance will be exhausted.

WATCH THE INSECTS.

Injurious insects demand attention throughout the summer months. Look for the borers near the base of young fruit trees; if sawdust is seen to drop from a hole in the bark, or if a postion of the bark is seen to be depressed, cut out the borer. * * * If the leaves of currants and gooseberries are eaten by "the worm," apply white hellebore at once. Stir a tablespoonful of the powder in a preserving the cow. She is for milk, and the liquor appetite to exist. For full pailful of water, and apply with a syr- the more milk she gives the better we like inge. Repeat this after a few days. If her. We give her little exercise, in fact after broods appear, continue the remedy give her none. All the movements that which is a very certain one. * * * The greenish sling slug, which appear upon the leaves of cherry, pear and other trees may be destroyed by applying air-slacked lime or wood ashes. This may be dusted upon the leaves by means of a bag of the cow would be benefited by quite a coarse fabric, attached to a pole. The insects attacking the grape-vine this month are mainly large cate pillars, which are most readily picked by hand; the socalled "thrips," which are properly the "grape-vine leaf hopper," are not related to the true thrips. It is a little whitish insect which often, rises in clouds when the vines are disturbed. The best treatment is to go among the vines with torches, gently beating them to disturb the insects, which will at once fly towards powers of endurance are to be considerthe light. * * * The first appearance of grayish spots on the undersides of the vines indicates mildew, and flowers of suphur should be applied with a bellows made for the purpose. * * * Whenever foods. We do not know that that proves pear trees are attacked by blight, which comes without warning, cut away every blighted portion and burn it .- American | who are inclined to think that grain Agriculturalist for July.

WEEKLY CROP SUMMARY.

Chicago, June 27 .- The following is the weekly crop summary printed in this weel's issue of the Farmer's Review

Although no change has taken place in the condition of ripe and fast ripening winter wheat crop since our report last week, it is gratifying to note that no material damage is being done to the the crop by rust. Harvesting operations are progressing rapidly, and the weather is everywhere favorable for work. Growand the western states. The hay crop is very light. Corn prospects are excellent. Fruit prospects are fair. Our reports on the condition of the winter weat crop in the different states are as follows:

Fifteen counties in Illinois report an allowed to scratch for a living after slight injury in six counties by fly and by rust, and fly in Lawrence county. Eleven counties in Indiana report a condition of 88 per cent. and injury from insects in three counties, and rust in Spencer county. Twelve average condition of 83 per cent., with slacking their thirst from a dirty pool,

Michigan counties report an average con-No other counties complain of injury by insects. The crop is in shock in Christian county.

The condition of spring wheat in the counties report an average condition of 83 per cent, Pepin county complains of chinch bugs. Eleven Minnesota counties report an average of 79 per cent. Nine counties in Nebraska place the average dition in Dakota.

damaged by drought and insects. Indiana, Michigan and Ohio alone report the crop in good condition.

FEEDING GRAIN IN SUMMER.

Will it pay to feed grain to-milch cows in summer? writes a correspondent. We do not know, and think nobody else does, we would reply. The subject has been discussed by some of our most prominent dairymen at times, but we think no definite conclusion has been arrived at by any of them. It is a fine field, however, for theory, though, as simple a matter as it is, it could be readily settled. In the enjoyment of the right to theorize, howevery, we have no hesitancy in saying that we do not believe it would pay. Grass is the great milk-producing food. It contains the elements of milk production, when good, in as nearly a perfect form as can be made, to say the least, and the cow on good grass probably does all several times hinted at the questionable policy of forcing cows. It does not seem forced to make astonishing records are of nature that an existence, animal or human can accomplise about so much, and then it ends. It can accomplish this by going slower in the whole of a usual lifetime. In fact, when the work of years wears out, before the full life-work is accomplished. A cow will pay a better profit if kept at work for seven years, than she will if driven to crowd the work for her life into four or five years. We do not seem to make much account of a cow has, unless there is a dog or rustling boy about, can not be called exercise. There are times when her exercise should be exceedingly moderate, in hot weather for instance, but in cool weather brisk exercise, We feed the cow all she will eat of the strongest kinds of food. And now suppose we should use ourselves in that way. Eat hearty and take no

result would be. There is something else to look at in the management of the cow besides the quantity of milk that she gives and the pounds of butter she produces. Her general health is to be looked after. Heed, and is it not overtaxing them to add grain to grass in summer? The belief that ensilage will prove valuable is founded upon the estimate of the value of green anything conclusively, but it is in the direction of a sharp conflict between those would be useful when grass is plenty, and those who believe that we feed to much dry food in winter.-Practical

exercise. No one need be told what the

NEGLECTED FOWLS.

Dear reader, has it ever dawned upon your mind-those of you who contemplate going into poultry for profit, dreaming of a rich harvest, building ideal poultry air castles-that this branch of busi- in the rain. ness is the most neglected in existence, while there is nothing requiring a small greater returns? If many of our farmers can and do depend principally upon their hens to supply groceries for family use, besides what the girls save for pin money-all this from a few poorly kept hens, Kansas counties place the average at 60 stances, why don't you wake up and ma-

per cent., and complain in nearly every terialize your schemes? For that's all instance of severe injury to crops by that's wanted to make the business a succhinch bugs. Winter wheat is almost a cess. Too many of our good people untotal failure in Sedgwick county. Four- derestimate the poultry business-think teen counties in Ohio report an average it small, and should be left to children condition of 76 per cent., with very little while they farm on the extensive scale, complaint of fly. Kentucy counties place and sometimes at the end of the year have the average condition at 96 per cent. not made enough clear to buy a breeding pen for fowls. Others engaging in the dition of 95 per cent., with damage by business overreach themselves-investing insects in Van Euren and Lenarwee coun- ing in extensive yards and showy, expenties. Thirteen counties in Missouri report | sive poultry houses, selecting and overan average condition of 105 per cent, stocking the same with defective birds The crop is Bates county is reported a picked up at random. Thinking that all total failure by chinch bugs and drought, that was necessary was capital to start the enterprise, and success was sure, he has crowded them together too many in a place, they have been neglected, they become diseased. He has now abandoned different states is as follows: Wisconsin the business, and declares poultry for profit a failure. (How many can you call to mind?)

Had a very small amount of money been judiciously expended, care taken in selecting good healthy hens, some breed at 89 per cent. The crop is in good con- adapted to your wants (better have thorough, after you have your start it does The oat crop has been quite liberally not cost any more to raise them than it does mongrels), see that your house is comfortable and kept clean, use plenty of lime, walls whitewashed, roosts portable, if possible so that they can be taken out to be aired and cleaned (I take mine into the open air, saturate wit's kerosene then burn the oil off, which destroys all lice that will collect about them), sprinkle sulphur in your nest boxes and dust bath, keep cool, fresh water before them al-

Bill of fare? Yes that is importantconsult your own taste and wants. Hens, like humans, want variety. Corn sparingly, wheat plentiful, seasoned with ouions, pepper, and greens, feed little and often, try a little bone meal and oyster shell if they can be had, and watch the result. Arm yourself with a small stock of preventatives-carbolic acid, lard, and surphur. You'll have no diseases, for "An ounce of prevention is worth a pound of cure." Show me a person that is giving poultry his personal and careful that she should be made to do. We have attention, and I will show you one that is successful.

Yours fraternally, FRANK SUTTON.

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-Miln, the actor, is making the circuit of the Northwest.

-A Butte City man was arrested for

allowing his team to stand unprotected

-SLEEPLESS NIGHTS, made miseraamount of capital that man, woman, or ble by that terrible cough. Shiloh's ing crops are in need of rain in Illinois children can engage in that will bring Cure is the remedy for you. Sold by Smith & Black Bros.

A Smart Boy.

Teacher-Who was Alexander Selkirk? Tommy-He was a civil engineer. Teacher-Civil engineer? Tommv-Yes, ma'am; monarch of all

and rust in Spencer county. Twelve hens pay under such unfavorable circum- Price 10 to 75 cents per bottle. Sold by Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- Price 10 to 75 cents per bottle. Sold by Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- F. Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- Smith & Black B. os. | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- | Offer. To such as are not well satisfied we will hens pay under such unfavorable circum- | Offer. To such as are not well satisfied we will hens pay under such as are not well satisfied we will hens pay under such as are not well satisfied we will hens pay under such as are not well satisfied we will hens pay under such as are not well satisfied we will have been such as a such as are not well satisfied we will have been such as a s



COUGH BLOCKS.

From Mason Long, the Converted Gambler.

FORT WAYNE, Ind., April 5, 1884.—I have given the Bynvita Cough Blocks a thorough trial. They cured my little girl (3 years' old) of Croup. My wife and mother-in-law were troubled with coughs of long standing. One package of the Blocks has cured them so they can talk "as only women do."

MASON LONG.

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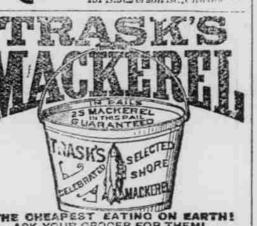


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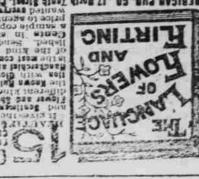
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