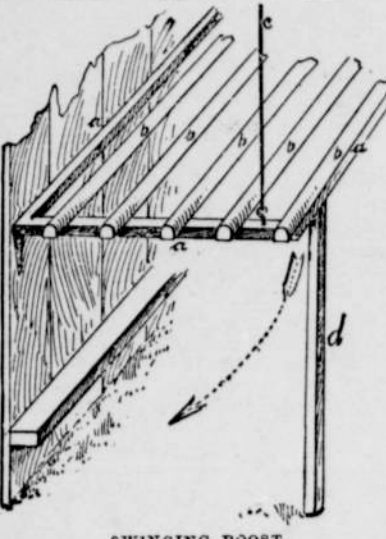


FARMERS' CORNER

Handy Chicken Roost.

In many poultry houses the manner in which the roosts are placed in position is a source of annoyance when time comes to clean out the house. In order to avoid the difficulty of getting around under the roosts, they should be placed crosswise a frame made of about 2x4-inch material, six feet wide and nearly as long as the building in which they are to be placed. Hang the frame, a, at one side to the wall by heavy strap or T-hinges and support the other side by props, d, placed under it or a couple of pieces of stout wire rope, c, hung from the roof. The roosts can then be let down out of the way when the house is being cleaned, and they also can be scraped off and washed with lime, either with a brush



SWINGING ROOST.

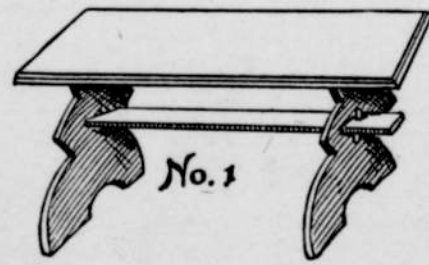
or spray pump. If both house and roosts are whitewashed frequently the filth will be lessened. A spray pump is excellent to use for this whitewashing process.—American Agriculturist.

To Control the Potato Scab.

"Another year's experience confirms my statement made a year ago that one can control potato scab by the use of a rye sod, if this is done in the right way. This is the fifth year of an experiment on two acres of land that had become so infested with scab that a decent crop of potatoes could not be grown. Five successive crops of potatoes have been grown in this land, turning a rye sod under each spring, and the seed used a portion of the time has not been wholly free from scab and has been untreated with any solution to kill the germs, but the crop is above the average in smoothness. The seed last spring, coming from Northern Ohio, had more scab than seemed safe, but so far as examination of the hills now indicates, the crop will be all right. If the rye can be turned during a hot spell in the spring, it makes the soil a little acid, and that is fatal to the scab germs. Two years of that treatment practically cleaned the field."—Alva Agu, in Ohio Farmer.

For an Amateur Carpenter.

The honesty of hand-made furniture is always attractive, particularly if it is made without glue in the good, old-fashioned style, with wooden bolts to hold the supports together. The accompanying design for a bench is artistic in its simplicity and might easily be copied by any amateur carpenter. The ends are cut in a pattern out of a thick board, as in Fig. 2, and are held together by a beveled bar, which, passing through the supports, is firmly held



A SIMPLY MADE BENCH.

In place by wooden pins, as shown in Fig. 1. A simple contrivance, but nothing could be stronger.

The Pig Sty.

The pig sty is filled with materials for absorbing manure, but they are not cleaned as frequently as should be the case. In winter, if the yard contains absorbents, they become soaked during rains and are disagreeable locations for adults or pigs. The pig prefers a dry location, as it suffers severely on very cold days. The materials in the pig yards will be of more service if added to the manure heap and a plentiful supply of cut straw thrown into the yard in its place. The covered shed, or sleeping quarters, should be littered a foot deep with cut straw, which may then be thrown into the yard, but the yard should always be cleaned out after a rain and dry material then added.

German Rape.

The new forage plant—German rape—which has been praised so highly for stock is now known to be one of the best and cheapest garden crops that can be used for "greens," being superior to kale in rapidity of growth and yield of leaves. It can also be used for

successive crops, as the seed may be sown from early spring until quite late in summer. It belongs to the kale family, and when seeded thickly in rows it produces small, tender stalks and grows wherever kale can be produced. It is really a valuable acquisition to the list of garden plants, as well as being a profitable crop for field culture.

To Destroy Cabbage Worms.

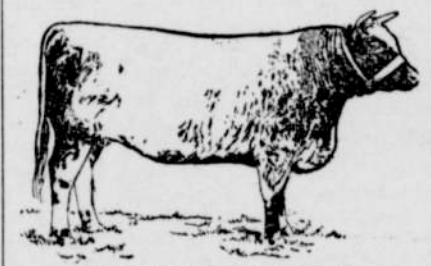
Pests of the cabbage family are best controlled by the use of the following insecticide: Pulverized resin, 5 pounds; concentrated lye, 1 pound; fish oil, 1 pint; water 5 gallons. Make this into a stock solution by placing the oil, resin and one gallon of hot water in an iron kettle, heating until the resin is softened. After this add the concentrated lye carefully and stir the mixture thoroughly. Add four more gallons of water and boil the whole mass until the mixture will unite with cold water, making a clear, amber-colored mixture. This mixture should make five gallons of stock solution. When this is used, F. A. Sirrine, of the Geneva Experiment Station, advises preparing it by combining one gallon of the stock solution with sixteen gallons of water, three gallons of milk of lime and one-fourth pound of Paris green. The water, resin and milk of lime is added. In every case where this mixture is properly applied good results were obtained.—American Agriculturist.

Gathering Cow Peas.

My method of gathering them is a long way ahead of the common way of hand picking. Take a heavy chain and fasten on a No. 20 Oliver chilled plow, or any other heavy plow, in same manner as you would if wishing to turn under a tall growth. Buckle hip straps on harness so short as to hold plow out of ground. Take wheel and jointer off of plow; let row come between team and plow, just skim enough surface to cut pea stalks off. The stalks will be caught by the chain and dragged until enough gathers to raise chain, then they will drop out under chain and chain will then gather another bunch in like manner. Size of bunches will be regulated by weight of chain. If gathered in this way early in the morning while they are tough none will shatter. This fix is superior to any patented pea harvester I have yet seen. I gathered my last year's crop in this manner with great success.—P. B. Meyer.

Shorthorn Heifer.

The 2-year-old Shorthorn heifer, Bapton Vanity, is a roan, bred and owned by Mr. J. Deane Willis, Bapton Manor.



HEIFER BAPTON VANITY.

Wiltshire, England. She is very large for her age, being wide and deep in front. She was first at the show of the Bath and West Society at Cardiff.

Fighting Hog Cholera.

If the hog cholera should break out on our farm, then all the pigs that have been exposed to it should be confined in small lots so as not to spread the disease on the farm. The pig that has the cholera should be confined in a pen to itself, and it should be sprayed three or four times each day with chloro-naphtholium, twenty parts water to one of the chloro, and the floor of the pen should be white with slacked lime, and if the pig dies, if it can be done, haul some logs and wood and burn it in the pen where it died, but if not, be sure that every cholera germ is killed on the way from the pen to the place where the pig is burned. By using such vigorous measures we have succeeded in stamping the cholera out several times on our farm.—James Riley, in Farmers' Advocate.

Poultry Insect Killers.

The lard and sulphur mixture has to be used on young chicks with discretion. Insect powder, especially buhach, is far safer and will surely kill every louse with which it comes in contact. Tobacco dust freely scattered through the feathers of the old bird, as for instance when sitting, and a few days before the eggs are expected to hatch, will clear the lice out in a hurry. Sometimes I use tobacco dust in place of the insect powder. If applied freely, it will also kill these lice. For chicken mites, use the clear kerosene, soaking perches, nests and cracks and crevices very thoroughly, and it is a sure cure every time.

Animal Food for Young Turkeys.

As long as the supply of insect food lasts the young turkeys will make rapid growth, but as soon as you notice the grass disappearing and insects less abundant, begin feeding a small quantity of meat to the young turkeys at night, so as to promote and continue the growth. You should not aim to get them very fat. What you should desire is to secure as large frames and bone as possible, so as to have something to crowd on the meat and fat later on. Hence do not allow them to cease growing, but push them until ready for market, putting them up for the purpose of being fattened about ten days before selling.—Exchange.

Borers in Apple Trees.

If the trees have already been infested the borers must be taken out with a sharp knife or killed in their holes by inserting a sharp wire. After the trees have been freed from them, prevent their further attacks by scrubbing the trunks once or twice a year with strong soapuds. If the trunks are covered with rough bark, remove this by scraping. It is very difficult to rid an orchard of borers after they are once established.

In 28 days not a scrap of food or nourishment of any kind passed the lips of Milton Rathbun, of Mount Vernon, N. Y. When he began his voluntary fast he weighed 210 pounds; his abstinence caused the loss of 42 pounds and it has caused him no apparent injury.

Still More Counterfeiting.

The Secret Service has just unearthed another band of counterfeiters and secured a quantity of bogus bills, which are cleverly executed. Things of great value are always selected for imitation, notably Hostetter's Stomach Bitters, which has many imitators but no equals for disorders like indigestion, dyspepsia and constipation.

Street car drivers in Skagway, Alaska, are paid \$4 a day.

I believe Piso's Cure is the only medicine that will cure consumption.—Anna M. Ross, Williamsport, Pa., Nov. 12, '98.

Plumbing is taught in the London trades school.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

Evolution of an Ocean.
THE NEW PACIFIC—By Hubert Howe Bancroft.

The events of the past year, in the war with Spain and the acquisition of new domain, resulting in a revival of trade and phenomenal industrialism, invest with fresh interest the Pacific ocean, round which cluster so many crowning incidents.

The author begins his work with a sketch of the war with Spain, the causes which led to it and the resultant issues, as preliminary to the glimpses of history and description of the countries in and around the Pacific, their resources, commerce, climates, mines and manufactures, with a glance at the old-time traffic in trinkets and furs, on account of the important voyages of circumnavigation, science and discovery, the great gold gatherings, and kindred topics. The Bancroft Company, publishers, 156 Fifth Avenue, New York City.

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Here the sun shines 357 days of the average year, and it blends with the crisp, electric mountain air to produce a climate matchless in the known world. No pen can portray, no brush can picture the majestic grandeur of the scenery along the line of the Denver & Rio Grande Railroad in Colorado. Parties going East should travel via this line which is known all over the world as the Scenic Line of the world. For any information regarding rates, time tables, etc., call on or address R. C. Nichol, general agent, 251 Washington street, Portland, Or., or any agent of the O. R. & N. Co., or Southern Pacific Company.

Improved Train Equipment.

The O. R. & N. and Oregon Short Line have added a buffet, smoking and library car to their Portland-Chicago through train, and a dining car service has been inaugurated. The train is equipped with the latest chair cars, day coaches and luxurious first-class and ordinary sleepers. Direct connection made at Granger with Union Pacific, and at Ogden with Rio Grande line, from all points in Oregon, Washington and Idaho to all Eastern cities. For information, rates, etc., call on any O. R. & N. agent, or address W. H. Hurlburt, General Passenger Agent, Portland.

The oyster crop of Chesapeake bay diminishes each year.

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The Rio Grande Western Railway, connecting on the East with the Denver & Rio Grande and Colorado Midland Railways and on the West with the Southern Pacific (Central Route) and Oregon Short Line, is the only transcontinental line passing directly through Salt Lake City. The route through Salt Lake City via the Rio Grande Western Railway is famous all the year round. On account of the equable climate of Utah and Colorado it is just as popular in winter as in summer. Send 2c to J. D. Mansfield, 253 Washington St., Portland, or Geo. W. Heintz, Acting General Passenger Agent, Salt Lake City, for a copy of "Salt Lake City—the City of the Saints."

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American commissioners for foreign missions have expended \$692,446 the past year.

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You are costive, and nature is under a constant strain to relieve the condition. This causes a rush of blood to the rectum, and before long congested lumps appear, itching, painful, bleeding. Then you have piles. There are many kinds and many cures, but piles are not curable unless you assist nature in removing the cause. CASCARETS make effort easy, regulate and soften the stools, relieving the tension, and giving nature a chance to use her healing power. Piles, hemorrhoids, fistula, and other rectal troubles yield to the treatment, and Cascarets quickly and surely remove them forever. Don't be persuaded to experiment with anything else!

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